CHINT

Empower the World



Industrial Control

B.1 Contactors, Relays, Starters

General Purpose AC Contactors



NC8
AC Contactor
06-500A

P001 General Description
P005 Technical Data
P027 Ordering Information



NXC
AC Contactor
06-500A

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P059 Technical Data
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AC Contactor
09~95A

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NC2
AC Contactor
115~800A

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Definite Purpose Contactor



NCK3
Definite Purpose
Contactor

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NCK5
Definite Purpose
Contactor

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P202 Ordering Information

Modular AC Contactors



NCH8
Modular AC
Contactor

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P222 Technical Data
P224 Ordering Information



NCH8-M
Modular contactor
with Manual
operation

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NCH8-Z
Modular contactor
with AC/DC coil

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Contractor

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CJ19
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Starter

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Contactor Relays



NXRC
Contactor Relay

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B.2 Pushbuttons & Indicator Lights & Buzzers

Pushbuttons



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Pushbuttons

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B.3 Relays

General Purpose Relays



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NXJ
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NJDC-17
Miniature Relay

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NJX3
Miniature Relay

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NJDC-12
Miniature Relay

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Protection Relays



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Protection Relay

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NJYB3
Voltage
Protection Relay

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XJ3
Voltage
Protection Relay

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NJBK7
Motor Protector

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NJBK1
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JD-5
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NJYW1
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JSZ3
Time Delay Relay

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NKG3
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KG316T
Time Switch

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SC3L
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Accumulator

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B.4 VFD & Soft-Starter

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NVF2G-S VFD

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NVF7 VFD

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NJR2-T Soft-Starter

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NJRP5-D Soft-Starter

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B.5 Machines Tool Apparatus

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Solar Photo voltaic System Protection Fuse

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Knife Contact Fuse Protector

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Cylindrical Contact Caps Fuse Holder

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RT28
Cylindrical Contact Caps Fuse Protector

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RT29
Fuse with Cylindrical Cap

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RT36
Knife Contact Fuse Protector

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Fuse carrier

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Terminal Blocks

SAK



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JXB



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JCUK



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TH35-7.5(C45) Rail



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B.6 Switch

Change-over Switch



LW32

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Travel Switch



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YBLX-WL

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YBLX-K3

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YBLX-19

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Microswitch



YBLXW-5

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YBLXW-6

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B.1 Contactors, Relays, Starters





NC8 Series AC Contactors

1. Scope of application

NC8-06M-1000 series AC contactors (hereinafter referred to as contactors) are mainly used for AC 50Hz (or 60Hz) with rated working voltage up to 690V. In the circuit with rated working current up to 1000ma under AC-3/415V(400/380V) usage category, they can be used for making and breaking circuits at a long distance, and can be combined with an appropriate thermal overload relay to form an electromagnetic starter for protection.

NC8-1260-2650 series AC contactors (hereinafter referred to as contactors) are mainly used for AC 50Hz (or 60Hz) with rated working voltage of 1000 V (1260 A to 1140V), and in the circuit with rated working current of 1260-2650A under AC-1/415V usage category, they are used for remote connection and disconnection of circuits.

This series of products has 12 shell frames and 30 rated currents; Including 3-pole products and 4-pole products (there are no 4-pole products above 100A), in which there are mini contactors below 12A, which can be divided into AC operation, DC operation and wide-voltage AC/DC operation, 115A-1260A are AC/DC universal coils, and 1450A-2650A are ordinary AC coils, DC control coils and wide-voltage AC/DC universal coils. It can be equipped with side hanging and top hanging auxiliary contacts, delay module, mechanical interlocking module and surge suppressor module, with complete accessories and strong derivation.

N	C	8	□	M	□	□ /	□	□ /	□ /	□
Enterprise characteristic number	Ac contactor	Design serial number	Basic specification code	M stands for small type[2]	Normally Open Auxiliary contact terminal[1]	Normally Closed Auxiliary contact terminal[1]	Normally open main contactNumber of heads	Normally closed main contact Number of heads	Z coil Direct current type	N means can Reverse product
			Use 380V/400V Indication of rated current at AC-3	Other shell frames do not write			The quantity is 3 Omit when not write	Quantity is 0. Omit when not write	W coil wide voltage type	Omit when irreversible
									B standard type Omit and not write	
									YZ coil forever Magnetic DC type	

Note: 1) Body auxiliary contact assembly 3P:NC8-06M-12M:10, 01;NC8-09-38:11, 22, omitted when it is 40-100:11,11 omitted not to write; NC8-115-1260:22,22 omitted; 4P and NC8-1450-2650: The body does not have auxiliary contacts.
2) Small contactors are only NC8-06M, 09M and 12M.

2. Type Designation

F4	□	□
Auxiliary contact	Number of normally open auxiliary contacts	Number of normally closed auxiliary contacts

F8	□	□
Auxiliary contact	Number of normally open auxiliary contacts	Number of normally closed auxiliary contacts

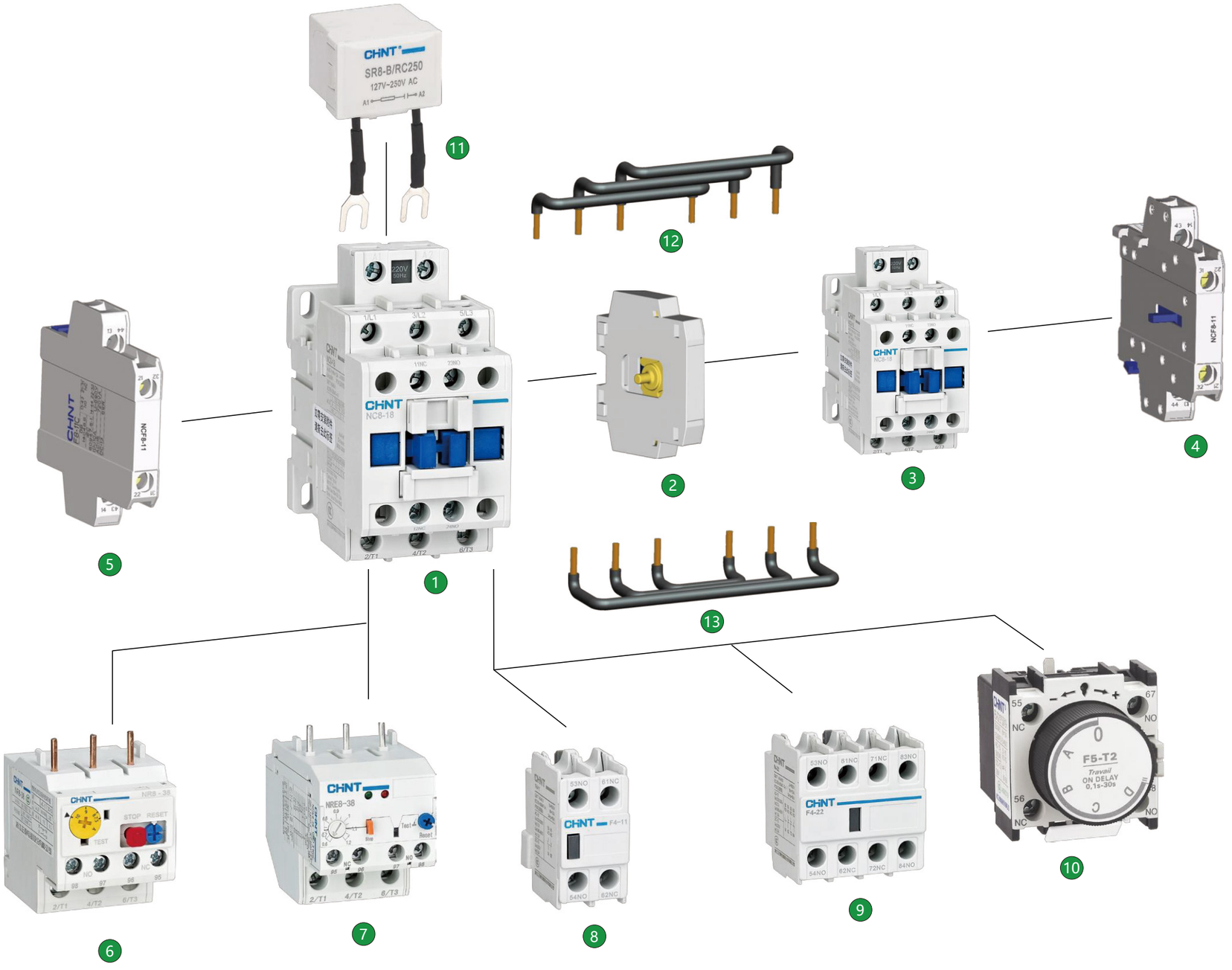
F5	□	□
Air delay head	T stands for power-on delay	0 means the delay range is 0.1s~3s
	D stands for power failure delay	2 means the delay range is 0.1s~30s
		4 indicates the delay range of 10s~180s

NCF8	□	□
Auxiliary contact	Number of normally open auxiliary contacts	Number of normally closed auxiliary contacts

SR8	□	□	□
Surge suppressor	The model of the matched contactor	type	Voltage protection range
	A: NC8-06M~12M	RV: varistor type	48:24V~48V AC/DC
	B: NC8-09~38	RC: resistancecapacitance type	250:110V~250V AC/DC (suitable for RV type)
	C: NC8-40~100		250:127V~250V AC (suitable for RC type)
			440: 380V~440V AC

NCF1	□	□	C	□
Auxiliary	Number of	Number of	Side	A: the standard
				B:NC8-205~500 for

Control circuit apparatus



NC8 and Accessories

1. Contactor
2. Mechanical interlocking module
3. Contactor
4. Side-hung auxiliary module
5. Side-hung auxiliary module
6. Thermal relay
7. Electronic relay
8. Overhead auxiliary contact
9. Overhead auxiliary contact
10. Air delay module
11. Surge suppression module
12. Terminal block
13. Terminal block

3. Product quick selection table

Specifications		06M		09M		12M		09		12		18		25		32		38		40		50		65		80		100		115		150		170		205		265		300		400		500	
NC8 series AC contactors																																															
Shell frame grade *		06~12M						09-18						25~28						40~65						800~100				115~170						205~300						400~500			
Mode	AC coil	NC8-06M		NC8-09M		NC8-12M		NC8-09		NC8-12		NC8-18		NC8-25		NC8-32		NC8-38		NC8-40		NC8-50		NC8-65		NC8-80		NC8-100		NC8-115		NC8-150		NC8-170		NC8-205		NC8-265		NC8-300		NC8-400		NC8-500	
	DC coil	NC8-06M/Z		NC8-09M/Z		NC8-12M/Z		NC8-09/Z		NC8-12/Z		NC8-18/Z		NC8-25/Z		NC8-32/Z		NC8-38/Z		NC8-40/Z		NC8-50/Z		NC8-65/Z		NC8-80/Z		NC8-100/Z		NC8-115		NC8-150		NC8-170		NC8-205		NC8-265		NC8-300		NC8-400		NC8-500	
	Wide voltage coil	-		-		-		NC8-09/W		NC8-12/W		NC8-18/W		NC8-25/W		NC8-32/W		NC8-38/W		NC8-40/W		NC8-50/W		NC8-65/W		NC8-80/W		NC8-100/W		NC8-115/W		NC8-150/W		NC8-170/W		-		-		-		-		-	
	Permanent magnet DC coil	Under development						NC8-09/YZ		NC8-12/YZ		NC8-18/YZ		Under development																															
Rating /IEC/EN60947-4-1		KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A	KW	A
AC-1		-	20	-	20	-	20	-	25	-	25	-	32	-	40	-	50	-	50	-	60	-	80	-	80	-	125	-	125	-	200	-	200	-	275	-	300	-	330	-	380	-	450	-	630
AC-3	220V/230V/240V	1.5	6	2.2	9	4	12	22	9	3	12	4	18	5.5	25	7.5	32	9	38	11	40	15	50	18.5	65	22	80	25	100	37	115	45	150	55	170	63	205	75	265	90	300	132	400	160	500
	380V/400V	2.2	6	4	9	5.5	12	4	9	5.5	12	7.5	18	11	25	15	32	18.5	38	18.5	40	22	50	30	65	37	80	45	100	55	115	75	150	90	170	110	205	140	265	160	300	200	400	280	500
	415V	2.2	6	4	9	5.5	12	4	9	5.5	12	9	18	11	25	15	32	18.5	38	22	40	25	50	37	65	45	80	45	100	59	115	80	150	100	170	110	205	140	265	160	300	200	400	280	500
	660V/690V	3	3.8	4	4.9	4	4.9	5.5	6.7	7.5	9	9	10.6	15	17.3	18.5	21.9	18.5	21.9	30	34	33	39	37	42	45	49	45	49	80	86	100	107	110	118	132	137	160	185	200	235	300	303	355	354
Rating /UL508		hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A	hp	A
Persistent current		-	20	-	20	-	20	-	25	-	25	-	32	-	40	-	50	-	50	-	60	-	80	-	80	-	125	-	125	-	200	-	200	-	275	-	300	-	330	-	380	-	450	-	630
Monophase	110/120V	0.3	-	0.5	-	0.75	-	0.5	-	0.75	-	1	-	1.5	-	2	-	2	-	3	-	5	-	5	-	7.5	-	10	-	10	-	15	-	15	-	15	-	20	-	25	-	30	-	40	-
	230/240V	0.75	-	1.5	-	2	-	1	-	2	-	3	-	3	-	5	-	5	-	5	-	7.5	-	10	-	20	-	20	-	25	-	30	-	30	-	30	-	40	-	50	-	60	-	75	-
Three-phase	200/208V	1.5	-	3	-	3	-	3	-	3	-	5	-	7.5	-	10	-	10	-	10	-	15	-	20	-	30	-	30	-	40	-	50	-	60	-	60	-	75	-	100	-	125	-	150	-
	230/240V	1.5	-	3	-	3	-	3	-	3	-	5	-	7.5	-	10	-	10	-	10	-	15	-	20	-	30	-	30	-	40	-	60	-	60	-	75	-	100	-	125	-	150	-	200	-
	460/480V	3	-	5	-	7.5	-	5	-	7.5	-	10	-	15	-	20	-	20	-	30	-	40	-	50	-	60	-	60	-	100	-	125	-	150	-	150	-	200	-	250	-	300	-	400	-
	575/600V	3	-	5	-	10	-	7.5	-	10	-	15	-	20	-	25	-	25	-	30	-	40	-	50	-	60	-	60	-	100	-	125	-	150	-	200	-	250	-	300	-	400	-	500	-
Attachment		 Top hanging auxiliary contact F8 (used for NC8-06M~12M)						 2P/4P overhead auxiliary contact F4 (used for NC8-09~2650)						 Air delay head F5(used for NC8-09~2650)						 Side hanging auxiliary contact NCF8 (used for NC8-09~100)						 Side hanging auxiliary contact NCF1(for NC8-115~1260)						 Mechanical interlocking mechanism NCL8-A (used for NC8-09~38)				 Mechanical interlocking mechanism NCL8-B (for NC8-40~100)				 Mechanical interlocking mechanism MI-9 (for NC8-115~170)				 NCL8-C(for NC8-205~1260)									
Overload relay																																												
Bimetallic type		 NR8-16 Rated current (a) 0.1 ~ 0.14 0.14 ~ 0.2 0.18 ~ 0.25 0.22 ~ 0.32 0.28 ~ 0.4 0.35 ~ 0.5 0.45 ~ 0.63 0.55 ~ 0.8 0.7 ~ 1 0.9 ~ 1.25 1.1 ~ 1.6 1.4 ~ 2 1.8 ~ 2.5 2.2 ~ 3.2 2.8 ~ 4 3.5 ~ 5 4.5 ~ 6.3 5.5 ~ 8 7.5 ~ 10 9 ~ 13 12 ~ 16						 NR8-38 Rated current (a) 0.1 ~ 0.14 0.14 ~ 0.2 0.18 ~ 0.25 0.22 ~ 0.32 0.28 ~ 0.4 0.35 ~ 0.5 0.45 ~ 0.63 0.55 ~ 0.8 0.7 ~ 1 0.9 ~ 1.25 1.1 ~ 1.6 1.4 ~ 2 1.8 ~ 2.5 2.2 ~ 3.2 2.8 ~ 4 3.5 ~ 5 4.5 ~ 6.3 5.5 ~ 8 7.5 ~ 10 9 ~ 13 12 ~ 16 14 ~ 20 18 ~ 24 23 ~ 32 30 ~ 38						 NR8-100 Rated current (a) 23 ~32 30 ~ 40 37 ~ 50 48 ~ 65 NR8-100 55 ~ 70 63 ~ 80 80 ~ 93 80~100				-				-				-			
Electronic NRE8 series		Under development						 NR8-38 Rated current (a) 0.6~1.2 1.2~2.4 2~4 4~8 5~10 7~12 10~20 19~38						 NR8-100 Rated current (a) 65 5~10 100						-				 NR8-200 Rated current (a) 80~160 100~200								 NR8-630 Rated current (a) 125~250 200~400 315~630			
Surge suppression module		 SR8-A SR8-A/RV48 24V~48V AC/DC SR8-A/RV250 110V~250V AC/DC SR8-A/RV440 380V~440V AC/DC						 SR8-B SR8-B/RC250 127V~250V AC SR8-B/RC440 380V~440V AC SR8-B/RV48 24V~48V AC/DC SR8-B/RV250 110V~250V AC/DC SR8-B/RV440 380V~440V AC						 SR8-C SR8-C/RC250 127V~250V AC SR8-C/RC440 380V~440V AC SR8-C/RV48 24V~48V AC/DC SR8-C/RV250 110V~250V AC/DC SR8-C/RC440 380V~440V AC				-		-								-			

Specifications		**630**	**800**	**1000**	**1260**	**1450**	**1700**	**2100**	**2650**
NC8 series AC contactors									
Shell frame grade		630-1000			1260	1450-2100			2650
Mode	AC ordinary coil	NC8-630	NC8-800	NC8-1000	NC8-1260	NC8-1450	NC8-1700	NC8-2100	NC8-2650
	DC coil	NC8-630	NC8-800	NC8-1000	NC8-1260	NC8-1450	NC8-1700/Z	NC8-2100/Z	NC8-2650/Z
	Wide voltage coil	NC8-630/W	NC8-800/W	NC8-1000/W	NC8-1260/W	NC8-1450/W	NC8-1700/W	NC8-2100/W	NC8-2650/W
Model		NC8-630	NC8-800	NC8-1000	NC8-1260	NC8-1450	NC8-1700	NC8-2100	NC8-2650
Number of poles		3		3	3	3	3	3	3
Rated working current Ie AC-3(Ue ≤ 400V)	θ ≤ 40℃	630	800	1000	-	-	-	-	-
Rated working current Ie AC-1	θ ≤ 40℃	800	1000	1000	1260	1450	1700	2100	2650
	θ ≤ 60℃	720	850	850	1060	1450	1700	2100	2650
	θ ≤ 70℃	630	750	750	900	1080	1300	1500	1900
Agreed free air heating current Ith	θ ≤ 40℃	800	1000	1000	1260	1450	1700	2100	2650
Rated power AC-3 type (kW)	220/240V	200	250	315	-	-	-	-	-
	380/400V	335	450	560	-	-	-	-	-
	415V	375	450	630	-	-	-	-	-
	440V	400	450	670	-	-	-	-	-
	500V	400	450	670	-	-	-	-	-
	600/690V	560	630	800	-	-	-	-	-
	1000V	400	450	500	-	-	-	-	-
Rated power AC-1 type (kW)	220V/230V	350	350	350	420	490	570	700	840
	240V	350	350	350	420	510	600	780	920
	380/400V	600	600	600	730	850	1000	1200	1450
	415V	630	630	630	760	900	1050	1300	1580
	440V	670	670	670	810	940	1100	1350	1680
	500V	750	750	750	920	1070	1250	1550	1910
	660/690V	1000	1000	1000	1260	1450	1700	2100	2520
	1000V	-	1500	1500	1840	2150	2500	3100	3820
Attachment		 2P/4P overhead auxiliary contact F4(used for NC8-09~2650) (used for NC8-09~2650)	 Air delay head F5 (used for NC8-09~2650)	 Side hanging auxiliary contact NCF8(used for NC8-09~100)	 Side hanging auxiliary contact NCF1(for NC8-115~1260)	 2P/4P overhead auxiliary contact F4 (used for NC8-09~2650)	 Air delay head F5 (used for NC8-09~2650)	 Side hanging auxiliary contact NCF8 (used for NC8-09~100)	 Side hanging auxiliary contact NCF1 (for NC8-115~1260)	
Overload relay									
Electronic NR8 series		-	 NR8-630 Rated current (A)513-630	-	-	-	-	-	-

4. Main parameters and technical performance

Model			NC8-06M	NC8-09M	NC8-12M	NC8-09	NC8-12	NC8-18	NC8-25	NC8-32	NC8-38	NC8-40	NC8-50	NC8-65	NC8-80	NC8-100	NC8-115	NC8-150	NC8-170	NC8-205	NC8-265	NC8-300	NC8-400	NC8-500
Agreed free air heating current (A)			20	20	20	25	25	32	40	50	50	60	80	80	125	125	200	200	275	300	330	380	450	630
Rated isolation voltage (V)			690										690							1000				
Rated impulse withstand voltage (kV)			6									8	8											
Rated connection capacity			On current: 10×Ie(AC-3) or 12×Ie(AC-4)										On current: 10×Ie(AC-3) or 12×Ie(AC-4).											
Rated breaking capacity			On-off current: 8×Ie(AC-3) or 10×Ie(AC-4)										On-off current: 8×Ie(AC-3) or 10×Ie(AC-4).											
Average impedance of each pole (mω)			2.5	2.5	2.5	2.5	2.5	2.5	2	2	2	1.5	1.5	1.5	1	1.2	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4
Power dissipation perpole (w) (above)		AC-3	0.09	0.2	0.36	0.2	0.36	0.84	1.25	2	2.88	2.4	3.75	6.3	6.4	12	7.9	13.5	17.3	21	35	36	64	100
		AC-1	1	1	1	1.56	1.56	2.56	3.2	5	5	5.4	9.6	9.6	15.6	18.7	24	24	45.3	45	54.4	57.7	81	158.7
Short-term withstand current (a) starts from the cold state, and there is no current for		Lasts for 1s	90	90	120	210	210	240	380	380	430	810	810	900	990	1100	1150	1500	1700	2050	2650	3000	4000	5000
		Lasts for 10s	48	72	96	72	96	144	200	256	304	320	400	520	640	800	920	1200	1360	1640	2120	2400	3200	4000
		Lasts for 1min	36	36	48	61	61	84	120	120	150	208	208	260	320	400	575	600	680	820	1060	1200	1600	2000
		Lasts for 10min	18	18	24	30	30	40	50	50	60	84	84	110	135	135	250	300	340	410	530	600	800	1000
Rated work electr(A)	220V/230V/240V	AC-3	6	9	12	9	12	18	25	32	38	40	50	65	80	100	115	150	170	205	265	300	400	500
		AC-4																						
	380V/400V	AC-3	6	9	12	9	12	18	25	32	38	40	50	65	80	100	115	150	170	205	265	300	400	500
		AC-4			9						32								150					
	415V	AC-3	6	9	12	9	12	18	25	32	38	40	50	65	80	100	115	150	170	205	265	300	400	500
		AC-4			9						32								150					
	660V/690V	AC-3	3.8	4.9	4.9	6.7	9	10.6	17.3	21.9	21.9	34	39	42	49	49	86	107	118	137	185	235	303	354
		AC-4				4.9	4.9	6.7	14	17.3	17.3								107					
Rated control power	AC-3(kW)	220/230V /240V	1.5	2.2	3	2.2	3	4	5.5	7.5	9	11	15	18.5	22	25	37	45	55	63	75	90	132	160
		380/400V	2.2	4	5.5	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45	55	75	90	110	132	160	200	250
		415V	2.2	4	5.5	4	5.5	9	11	15	18.5	22	25	37	45	45	59	80	100	110	140	160	200	250
		660V/690V	3	4	4	5.5	7.5	9	15	18.5	18.5	30	33	37	45	45	80	100	110	132	160	200	300	355
	1PH(HP)	110V/120V	0.3	0.5	0.75	0.5	0.75	1	1.5	2	2	3	5	5	7.5	10	10	15	15	15	20	25	30	40
		230/240V	0.75	1.5	2	1	2	3	3	5	5	5	7.5	10	20	20	25	30	30	30	40	50	60	75
	3PH(HP)	200V/208V	1.5	3	3	3	3	5	7.5	10	10	10	15	20	30	30	40	50	60	60	75	100	125	150
		230V/240V	1.5	3	3	3	3	5	7.5	10	10	10	15	20	30	30	40	60	60	75	100	125	150	200
		460V/480V	3	5	7.5	5	7.5	10	15	20	20	30	40	50	60	60	100	125	150	150	200	250	300	400
		575V/600V	3	5	10	7.5	10	15	20	25	25	30	40	50	60	60	100	125	150	200	250	300	400	500
Operating frequency (415V, times /h)		AC-3	1200										1200				1200(NC8-115/W~170/W:900)			600			300	
		AC-4	300									120	120							30				
Electrical life of the product (415V, ten		AC-3	120										120							100			80	
		AC-4	Breakthrough life curve																					
Mechanical life (ten thousand times)			1000									800	800				600							
Main contact structure form			3 normally open, 4 normally open, 2 normally open and 2 normally closed.																					
Fuse (gG) for SCPD		Type 2	20	20	20	20	25	32	50	63	63	63	80	80	100	125	224	224	315	315	400	425	500	800
Matching thermal overload relay		Model	NR8-11.5			NR8-38							NR8-100				NR8-200			NR8-630				
		Setting current range	0.1~0.16 0.16~0.25 0.25~0.4 0.4~0.63	0.63~1 1~1.6 1.6~2.5 2.5~4	4~6 5.5~8 7~10 9~13	0.1~0.14 0.14~0.2 0.18~0.25 0.22~0.32 0.28~0.4 0.35~0.5	0.45~0.63 0.55~0.8 0.7~1 0.9~1.25 1.1~1.6 1.4~2	1.8~2.5 2.2~3.2 2.8~4 3.5~5 4.5~6.3 5.5~8	7.5~10 9~13 12~16 14~20 18~24 23~32	30~38			23~32 30~40 37~50 48~65	55~70 63~80 80~93 80~100			80~160 100~200			125~250 200~400 315~630				
Number of auxiliary contacts		3P	1 normally open or 1 normally			1 normally open 1 normally closed or 2 normally open 2 normally closed							1 normally open and 1 normally closed				2 normally open 2 normally closed			2 normally open 2 normally closed				
		4P	Full series body without auxiliary contact.										Full series body without auxiliary contact.				-							

Model			**NC8-630**	**NC8-800**	**NC8-1000**	**NC8-1260**	**NC8-1450**	**NC8-1700**	**NC8-2100**	**NC8-2650**
Agreed free air heating current Ith			800	1000	1000	1260	1450	1700	2100	2650
Rated isolation voltage Ui(V)			1000			1140	1000			
The maximum rated working voltage (Ue)(V) is			1000			1140	1000			
Rated impulse withstand voltage (Uimp)		Coil without main circuit (kV)	8				12			
The rated connection capacity conforms to the standard of GB14048 (IEC60947-4-1)		On current (a)	10×I(AC-3) or 12×I(AC-4)			1.5×I(AC-1)				
The rated breaking capacity conforms to the standard of GB14048 (IEC60947-4-1)		Turn on the breaking current (a)	8×I(AC-3) or 10×I(AC-4)			1.5×I(AC-1)				
Short-term withstand current (a) starts from the cold state, and there is no current for 60 minutes before, θ ≤ 40℃		10s	5050	5500	10000	8000	8000	10000	1000	12000
		30s	4400	4600	7500	5200	6000	7500	7500	9000
		1min	3400	3600	5500	4000	4500	5500	5500	7000
		3min	2200	2600	4200	3000	4000	4200	4200	6000
		10min	1600	1700	300	2000	2600	3000	3000	4000
Rated working current (a)	AC-3(Ue ≤400V)	θ ≤ 40℃	630	800	1000	-	-	-	-	-
	AC-1	θ ≤ 40℃	800	1000	1000	1260	1450	1700	2100	2650
		θ ≤ 60℃	720	850	850	1060	1450	1700	2100	2650
		θ ≤ 70℃	630	750	750	900	1080	1300	1500	1900
Rated power	AC-4 type (kW)	220/240V	75	75	80	-	-	-	-	-
		380/400V	110	132	150	-	-	-	-	-
		660/690V	185	200	220	-	-	-	-	-
		1000V	150	200	200	-	-	-	-	-
	AC-3 type (kW)	220/240V	200	250	315	-	-	-	-	-
		380/400V	335	450	560	-	-	-	-	-
		415V	375	450	630	-	-	-	-	-
		440V	400	450	670	-	-	-	-	-
		500V	400	450	670	-	-	-	-	-
		660/690V	560	630	800	-	-	-	-	-
		1000V	400	450	500	-	-	-	-	-
	AC-1 type (kW)	220/230V	350	350	350	420	490	570	700	840
		240V	350	350	350	420	510	600	780	920
		380/400V	600	600	600	730	850	1000	1200	1450
		415V	630	630	630	760	900	1050	1300	1580
		440V	670	670	670	810	940	1100	1350	1680
		500V	400	450	670	-	-	-	-	-
		660/690V	1000	1000	1000	1260	1450	1700	2100	2520
		1000V	-	1500	1500	1840	2150	2500	3100	3820
Electrical life (ten thousand times) 380/400V		AC-3 type	65	65	50	-	-	-	-	-
		Operating frequency times /h	300	300	120	-	-	-	-	-
		AC-1 type	-	-	-	60	60	40	40	40
		Operating frequency times /h	600	600	300	-	200	-	-	-
Mechanical life (×104 times)			150	150	150	100	80	80	80	50
Maximum operating frequency times /h Ambient temperature ≤60℃			600	600	600	600	600	600	600	600
Main contact structure form			3 normally open							
Fuse for SCPD		Type Ⅰ	800	800	1000	1500	-	-	-	-
		Type Ⅱ	800	800	1000	1500	RSG-3	RSG-5	RSG-5	RSG-6
Matching electronic relay		Mode	NR8-630	-	-	-	-	-	-	-
		Setting current range	315-630	-	-	-	-	-	-	-
Number of auxiliary contacts			2NO+2NC				-	-	-	-

4.1 Working environment and technical indicators

Product installation overvoltage category		Ⅲ
Class of pollution		3
Meet a criterion		GB/T14048.1[UNK]GB/T14048.4[UNK]IEC/EN60947-1[UNK]IEC/EN60947-4-1
Product certification		NC8-06M~100 : CCC, CE, UL, KEMA; NC8-115~170 : CCC, CE, KEMA ; NC8-09/YZ~18/YZ , NC8-205~2650: CCC, CE
Enclosure protection grade		Directly in front of IP20 (NC8-06M-100); IP10(NC8-40/4~100/4,NC8-40/22~100/22,NC8-115~170)
Ambient air temperature	Work	-5℃ ~+40℃ , and its average value within 24 hours does not exceed +35℃ . If it is not used within this range, please refer to the abnormal working environment temperature in the appendix for details. The limit working environment temperature of NC8-06M-500 is -25℃ ~+70℃
	Transportation and storage	Between-25℃ and+55℃ , it can reach +70℃ in a short time (24h)
Altitude (m)		Not more than 2000, if more than 2000, see the appendix for the use of correction factors in high altitude areas.
Atmospheric condition		When the highest temperature is +40℃ , the relative humidity of the air does not exceed 50%. At lower temperatures, higher relative humidity can be allowed, for example, it reaches 90% at 20℃ . Special measures should betaken for the occasional condensation due to temperature change. If it is used in corrosive environment, please refer to the volume reduction in corrosive environment in the appendix."
Installation conditions		The inclination between the installation surface and the vertical plane is not more than 5, and NC8-06m-500 is not more than 22.5 (the inclination between the installation surface and the vertical plane of permanent magnet contactor is not more than 5)
Shock and vibration		The product should be installed and used in a place without obvious shaking, impact and vibration

Contactor model			**NC8-06M-500**
Impact resistance 1/2 sine wave	Contactor open	1/2 sine wave =18ms	30
	Contactor closing	1/2 sine wave =11ms	15
Seismic performance of 5~300Hz	Contactor open	-	4
	Contactor closing	-	4

4.2 Connection capacity of main control circuit

Wiring circuit	Contactor model			NC8-06M	NC8-09M	NC8-12M	NC8-09	NC8-12	NC8-18	NC8-25	NC8-32	NC8-38	NC8-40	NC8-50	NC8-65	NC8-80	NC8-100	NC8-115	NC8-150	NC8-170	NC8-205	NC8-265	NC8-300	NC8-400	NC8-500
Main circuit wiring	Cable connection (mm²)	Prefabricated conductor	1 root	1~2.5			1~4		1.5~6	2.5~10			10~25			16~50		10~95			-				
			2 pieces	1~2.5			1~2.5		1~4	2.5~6			4~16			10~35		10~50			-				
		Rigid line	1 root	-			1~4		1.5~4	2.5~10			-			-		10~95			50~240				
			2 pieces	-			1~4		1.5~4	2.5~10			-			-		10~50			50~240				
	Fastening screw size			M3			M3.5			M4			M8					M10			M10				
	Tightening torque (N.m)			0.8			1.2			2			6					10			14				
Control circuit connection	Cable connection (mm²)	Prefabricated conductor	1 root	1~2.5			1~2.5						1~2.5					1~4			1~4				
			2 pieces	1~2.5			1~2.5						1~2.5					1~2.5			1~2.5				
		Rigid line	1 root	-			1~2.5						1~2.5					1~4			1~4				
			2 pieces	-			1~2.5						1~2.5					1~4			1~4				
	Fastening screw size			M3			M3.5						M3.5					M3.5			M3.5				
	Tightening torque (N.m)			0.8			1.2						1.2					1.2			1.2				

Wiring circuit	Model			NC8-630	NC8-800	NC8-1000	NC8-1260	NC8-1450	NC8-1700	NC8-2100	NC8-2650
Main circuit wiring	rigid line	1 (conductor section mm 2)		-	-	-	-	-	-	-	-
	Without terminal	1 (conductor section mm 2)		-	-	-	-	-	-	-	-
	Copper bar	2 pieces (size mm)		50*5	60*5		50*10 (or use the transferrow)	100*5			100*10
	Screw	Diameter (mm)		Φ10	Φ12						
	Tightening torque (N.m)			14-24	35-45						
Control circuit connection	Cable connection (mm²)	Prefabricated conductor	1 root	1~4							
			2 pieces	1~2.5							
		Rigid line	1 root	1~4							
			2 pieces	1~4							
	Fastening screw size			M3.5							
	Tightening torque (N.m)			1.2							

4.3 AC control electrical characteristics

Contactor model		NC8-06M	NC8-09M	NC8-12M	NC8-09	NC8-12	NC8-18	NC8-25	NC8-32	NC8-38	NC8-40	NC8-65	NC8-80	NC8-100	NC8-115	NC8-150	NC8-170	NC8-205	NC8-265	NC8-300	NC8-400	NC8-500
Coil control Power supply voltage (v)	AC 50Hz, 50Hz/60Hz	24, 36, 42, 48, 110, 120, 127, 220, 230, 240, 277, 380, 400, 415, 440, 460, 480, 600, 660									24, 36, 42, 48, 110, 120, 127, 220, 230, 240, 277, 380, 400, 415, 440, 460, 480, 600, 660				Ac-DC universal							
	Direct current	24, 48, 110, 125, 220									24, 48, 110, 220				110~127, 220~240, 380~415							
	Wide voltage AC/DC	AC/DC: 24~60, 48~130, 100~250									AC/DC: 24~60, 48~130, 100~250				100~250							
	Permanent magnet DC	12V, 24V, 110V																				
Action range	Suction (hot state)	(85%~110%)Us ; +40℃									(85%~110%)Us; +40℃				(85%~110%)Us ;+40℃							
	Release (cold state)	AC: (20%-75%)Us, DC: (10%-75%)Us; -5℃ ;									Ac: (20%-75%)Us, DC: (10%-75%)Us; -5℃				(10%-75%)Us ;-5℃							
Alternating currentcoil Average power (VA)	Start (up)	≤50			≤80(W≤60 , YZ≤5.4)			≤80(W≤60)			≤300(W ≤100)		≤330(W ≤100)		600~900(W ≤300)			300~600			500~800	
	keep	≤9			≤9(W≤5.1 , YZ≤5.4)			≤11.4(W≤5.1)			≤34.2(W ≤10)		≤36.6(W ≤10)		≤34.2			≤34.2			≤34.2	
Heat loss (w)	Exchange; communicate	1~4			-						4~7		5~8		5~9			5~10			6~11	
	Direct current	-			-						-		-		-			5~10			6~11	
Main contact actiontime (ms)	Close	10~20			12~25(W:45~55,YZ:50-100)			12~25(W:45~55)			15~25(W:90~110)		15~30(W:90~110)		15~30(W:130~140)			30~95			45~100	
	Disconnect	4~16			5~20(W:45~55,YZ:7-15)			5~20(W:45~55)			6~15(W:100~120)		8~17(W:100~120)		40~50(W :110~120)			40~80			60~100	

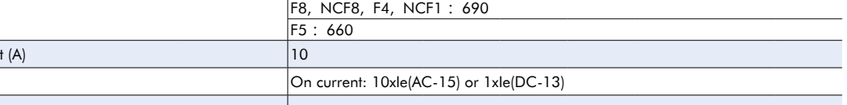
Contactor model		NC8-630	NC8-800	NC8-1000	NC8-1260	NC8-1450	NC8-1700	NC8-2100	NC8-2650
Rated control voltage (V)(Us)	Conventional coil a	AC/DC : 48 , 110/127 , 220/230/240 , 380/400/415				380/400			
	DC coil	-				DC220~250			
	Wide voltage coil	AC/DC :100-250V , 250-500V				AC/DC : 100-250V			
Control voltage range (Us) θ ≤ 60℃	Work	Conventional coil: (85%~110%)Us; Wide voltage coil: 85%Usmin-110%Usmax.							
	Release	Conventional coils: AC:10%-75%Us,DC:10%-75%Us; Wide voltage coil: AC: 10% usmax-75% usmin, DC: 10% usmax-75% usmin.							
Coil power consumption	Suction VA	Conventional coil: 850, wide voltage coil: 1500				2200			
	Keep VA	Conventional coil: 18, wide voltage coil: 18				36	36	36	45
	Heat dissipation w	25	25	25	25	2×18	2×18	2×18	2×25
Main contact action time (ms)	Close	200	200	200	200	-			
	Disconnect	100	100	100	100	-			

4.4 Main parameters and technical performance indicators of accessories

Top hanging auxiliary contact group F4	**Prepared product**	**Model specification**		**F4-20**	**F4-11**	**F4-02**	**F4-40**	**F4-31**	**F4-22**	**F4-13**	**F4-04**
	NC8-09~500	Contact number	Normally open	2	1	0	4	3	2	1	0
			Normal close	0	1	2	0	1	2	3	4
Top hanging auxiliary contact group F8	Prepared product	Model specification		F8-20	F8-11	F8-02	F8-40	F8-31	F8-22	F8-13	F8-04
	NC8-06M~12M	Contact number	Normally open	2	1	0	4	3	2	1	0
			Normal close	0	1	2	0	1	2	3	4
Side hanging auxiliary contact group NCF8	Prepared product	Model specification		NCF8-11							
	NC8-09~100	Contact number	Normally open	1							
			Normal close	1							
Side hanging auxiliary contact group NCF1	Prepared product	Model specification		NCF1-11C(/B)							
	NC8-115~500	Contact number	Normally open	1							
			Normal close	1							
Air delay head F5	Prepared product	Model specification		F5-T0	F5-T2	F5-T4	F5-D0	F5-D2	F5-D4		
	NC8-09~500	Contact number	Normally open	1	1	1	1	1	1		
			Normal close	1	1	1	1	1	1		
		Delay range (s)		0.1~3	0.1~30	10~180	0.1~3	0.1~30	10~180		
Surge suppressor SR8	NC8-06M 12M	SR8-A									
	NC8-09~38	SR8-B									
	NC8-40~100	SR8-C									
Rated working voltage (V)				F8, NCF8:AC to 690V,DC to 220V.							
				F4 and NCF1:AC to 400V,DC to 220V V.							
				F5:AC to 660V,DC to 220V V.							
Rated isolation voltage (V)				F8, NCF8, F4, NCF1 : 690							
				F5 : 660							
Agreed free air heating current (A)				10							
Rated connection capacity				On current: 10xIe(AC-15) or 1xIe(DC-13)							
Short circuit protection											
Control capacity			AC-15	F8, NCF8 : AC220/230/240/3A ; AC380V/400V/415V/1.9A ; AC600V/660V/690V/1.2A							
				F4, NCF1 : AC220V/230V/2.7A; AC380V/400V/1.5A							
				F5, AC660V/380V 0.52A/0.95A							
			DC-13	F8, NCF8 : DC125V/0.55A ; DC220V/0.27A							
				F4, NCF1 : DC220V/0.3A							
				F5, DC220V/0.15A							
Meet the standard				GB/T 14048.5, IEC 60947-5-1							
product certification				CCC ,UL ,CE							
Enclosure protection grade											
Cable connection (mm^2)	Flexible cord without cold-pressed end		1 root	1~4							
			2 pieces	1~4							
	Flexible cord with cold-pressed end		1 root	1~4							
			2 pieces	1~2.5							
	Rigid line		1 root	1~4							
				1~4							
Fastening screw size				M3.5							
Tightening torque n m				1.2							

Note: All accessories have the same environmental requirements as the contactor body. You can order the products you need or identify your existing products according to the above numbers and letters.accessories

5. derivative products

Mame	Model	Contactor body	Auxiliary module	Derived product diagram
Switched capacitor contactor		*		
Star delta			Air delay	

Mame	Model	Contactor body	Auxiliary module	Derived product diagram
Directional contactor				
Electromagnetic starter				

Note: ※ indicates that it is preparing for development.

6. Shape and installation dimensions

Figure 1 NC8-06M~12M

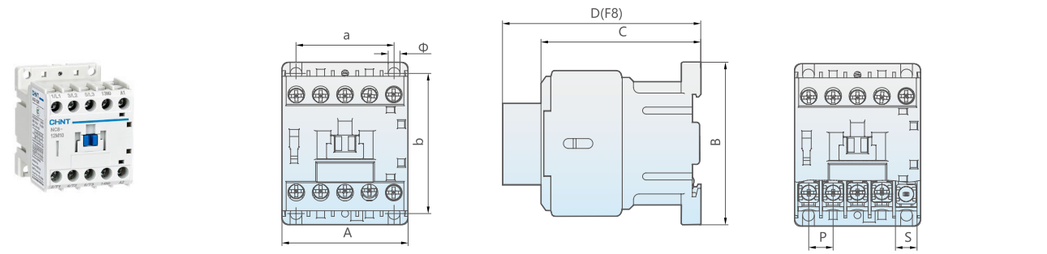


Figure 2 NC8-09~38

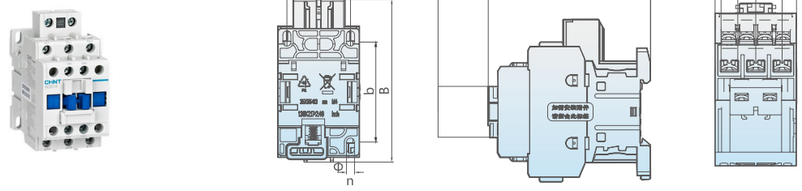


Figure 3 NC8-09/4~38/4, NC8-09/22~38/22

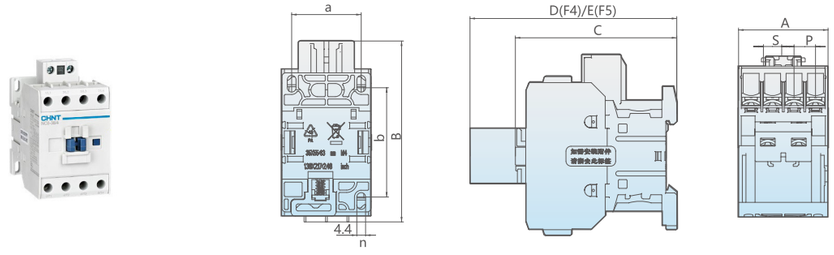


Figure 4 NC8-40~100

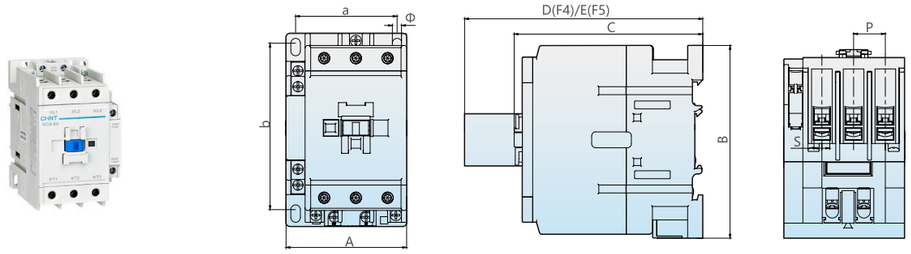


Figure 5 NC8-40/4~100/4

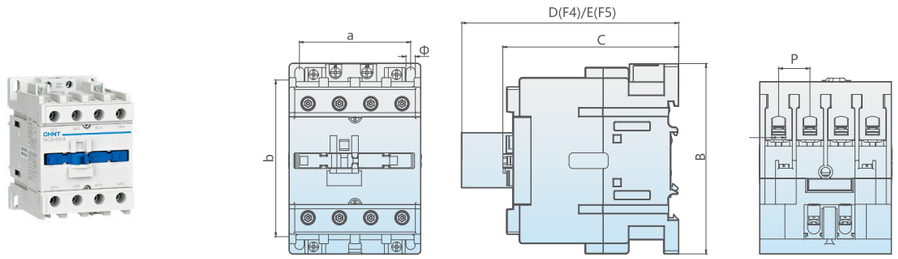


Figure 6 NC8-115(/W)~170(/W)

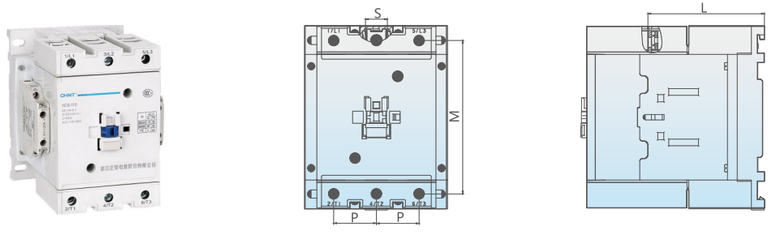


Figure 7 NC8-205~500

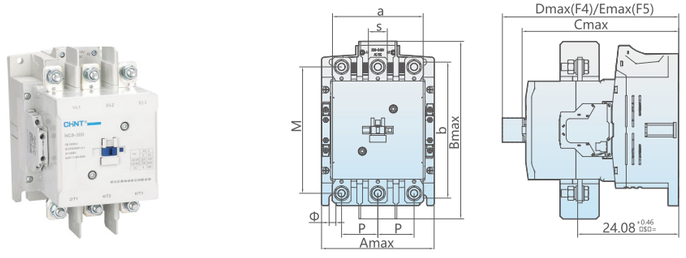


Figure 8 NC8-630

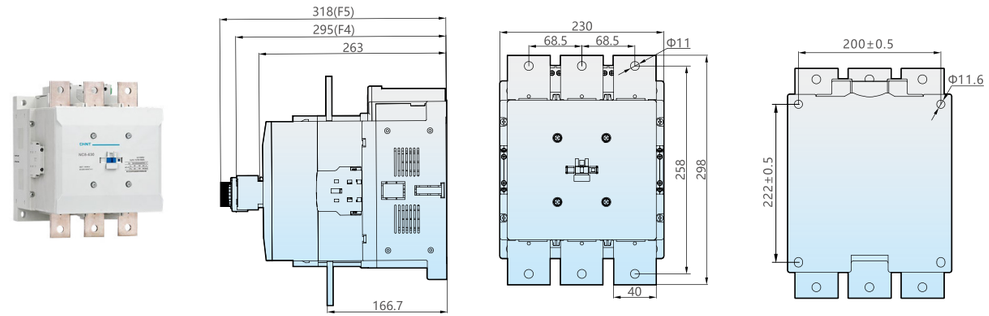


Figure 9 NC8-800

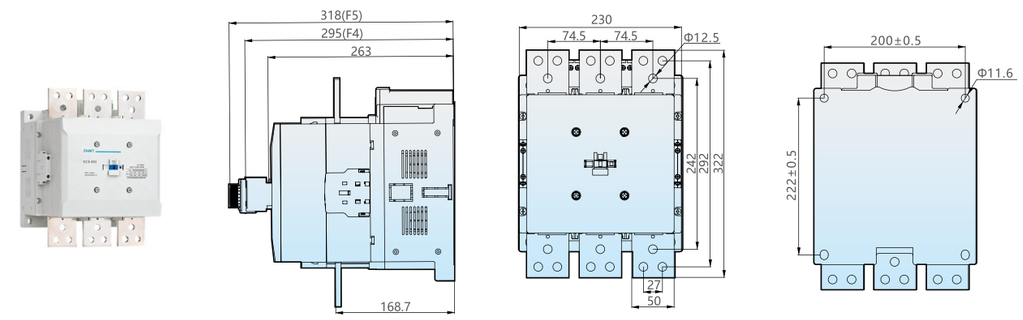


Figure 10 NC8-1000

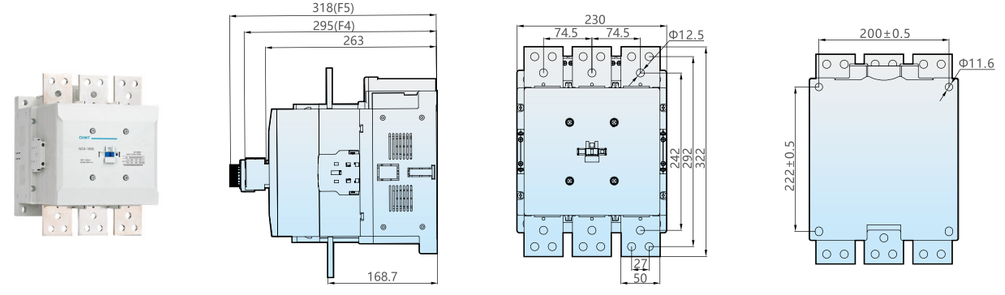


Figure 11 NC8-1260

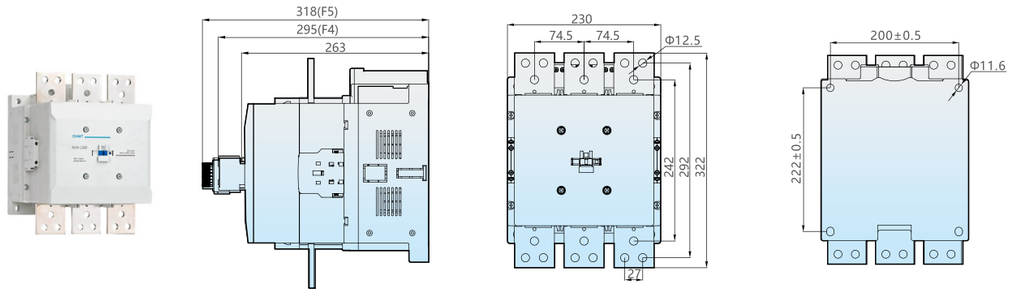


Figure 12 NC8-1450~2100

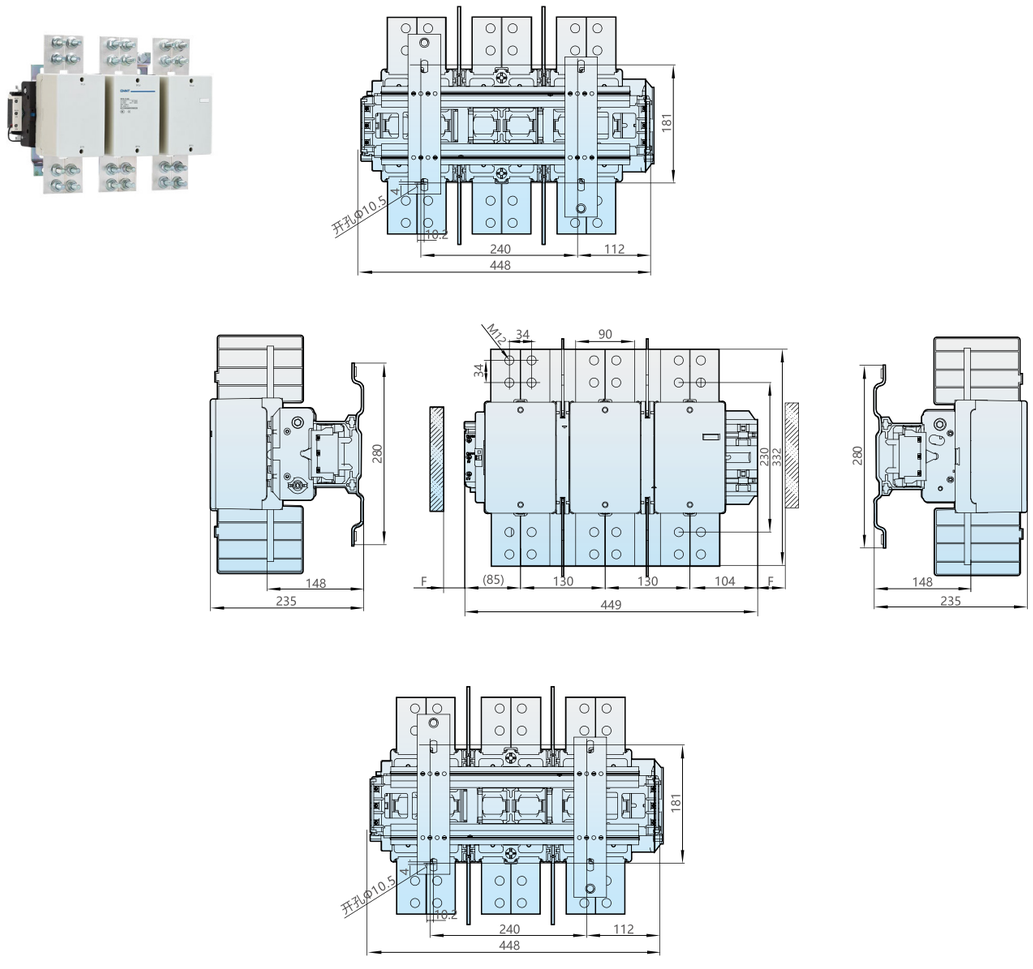
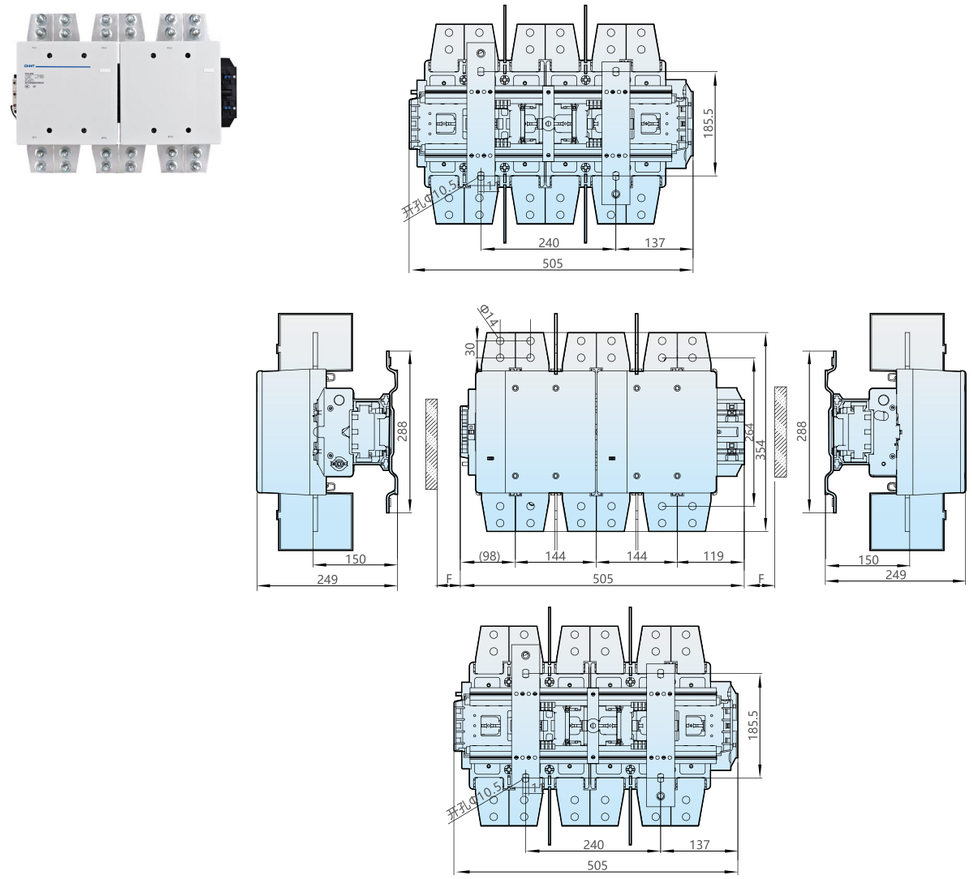


Figure 13 NC8-2650

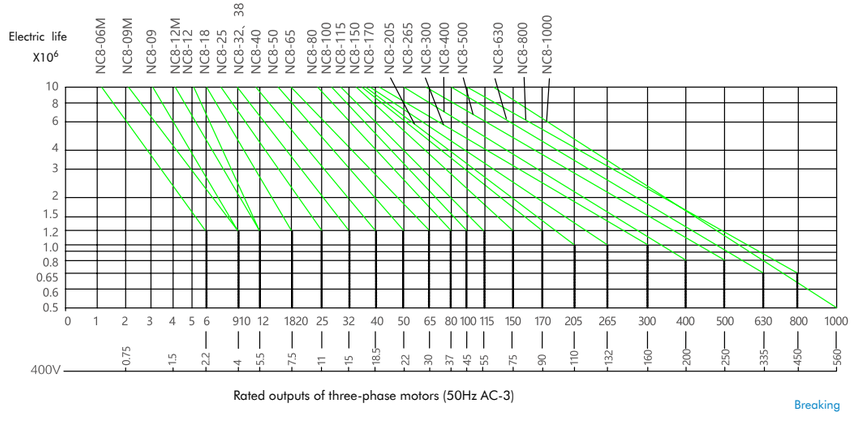


Model	Amax	Bmax	Cmax	Dmax	Emax	a	b	L	M	P	S	Φ
NC8-06M~12M	45	59	58	94	/	35±0.28	50±0.32	/	/	8.7	7.7	4.2
NC8-06M/4~12M/4	45	59	58	94	/	35±0.28	50±0.32	/	/	8.7	7.7	4.2
NC8-06M/22~12M/22	45	59	58	94	/	35±0.28	50±0.32	/	/	8.7	7.7	4.2
NC8-06M/Z~12M/Z	45	59	70	106	/	35±0.28	50±0.32	/	/	8.7	7.7	4.2
NC8-06M/4/Z~12M/4/Z	45	59	70	106	/	35±0.28	50±0.32	/	/	8.7	7.7	4.2
NC8-06M/22/Z~12M/22/Z	45	59	70	106	/	35±0.28	50±0.32	/	/	8.7	7.7	4.2
NC8-09~18(W)	45	90	90	123	145	35±0.3	55~63	/	/	14.5	9.2	4.4
NC8-09/4~18/4(W)	45.5	92	82	115	137	35±0.3	55~63	/	/	10.8	9.2	4.4
NC8-09/22~18/22(W)	45.5	92	82	115	137	35±0.3	55~63	/	/	10.8	9.2	4.4
NC8-09/Z~18/Z	45	87	123	156	178	35±0.28	55~63	/	/	14.5	8.2	4.4
NC8-09/4/Z~18/4/Z	45	87	118	151	172	35±0.28	55~63	/	/	10.8	8.2	4.4
NC8-09/22/Z~18/22/Z	45	87	118	151	172	35±0.28	55~63	/	/	10.8	8.2	4.4
NC8-09/YZ ~18/YZ	45	90	107	65	140	35±0.28	55~63	/	/	14.5	9.2	4.4
NC8-25~38(W)	45	100	105	139	160	35±0.3	60~70	/	/	14.5	11	4.4
NC8-25/Z~38/Z	45	97	141	174	195	35±0.28	60~70	/	/	14.5	12	4.4
NC8-25/4~38/4(W)	57	100	90	123	145	46±0.32	60~70	/	/	13.8	12	4.4
NC8-25/22~38/22(W)	57	100	90	123	145	46±0.32	60~70	/	/	13.8	12	4.4
NC8-25/4/Z~38/4/Z	57	97	125	158	180	46±0.28	60~70	/	/	13.8	12	4.4
NC8-25/22/Z~38/22/Z	57	97	125	158	180	46±0.28	60~70	/	/	13.8	12	4.4
NC8-40~65(W)	77	122.5	119	150	172	64±0.37	100~110	/	/	20	9.5	6
NC8-40/4~65/4(W)	85	122.5	113.5	145	167	71±0.43	100~110.5	/	/	20	8.8	6
NC8-40/22~65/22(W)	85	122.5	124	145	167	71±0.43	100~110.5	/	/	20	8.8	6
NC8-40/Z~65/Z	77	142	179	212	233	40	105	/	/	20	9.5	6.5
NC8-40/4/Z~65/4/Z	84	142	179	212	233	40	105	/	/	20	9.5	6.5
NC8-80~100(W)	87	130	127	159	180	74±0.37	105~116	/	/	24	13	5.5
NC8-80/4~100/4(W)	96.5	130	121	153	174	80±0.43	05~118.5	/	/	23.5	11.5	5.5
NC8-80/22~100/22(W)	96.5	130	132.5	145	167	80±0.43	05~118.5	/	/	23.5	11.5	5.5
NC8-80/Z~100/Z	87	147	184	217	238	40	105	/	/	24	13	6.5
NC8-80/4/Z~100/4/Z	99	147	184	217	238	40	105	/	/	23.5	12	6.5
NC8-115(/W)~170(/W)	126	156	155	190.5	210.5	96~110	130±0.8	98.5	129.5	36	18.5	7
NC8-205~300	150	235	207	239	260	120	180	134	168	48	25	9
NC8-400~500	165	248	225	258	280	130	180	146	189	58.5	27	9

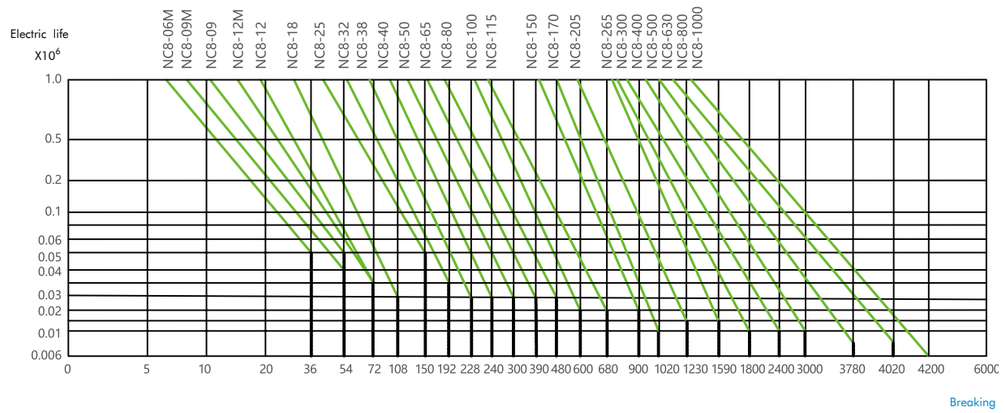
7. Appendix

7.1 The life selection of contactor under corresponding voltage and category is based on the product electrical life curve (taking 400V as an example).

Electrical life curve of AC-3(Ue=400V)

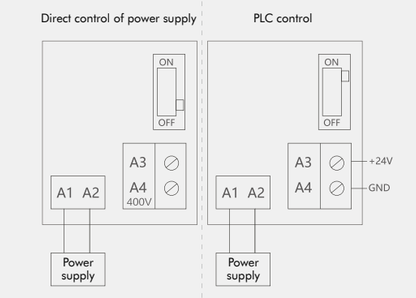


Electrical life curves of AC-2 and AC-4(Ue=400V)

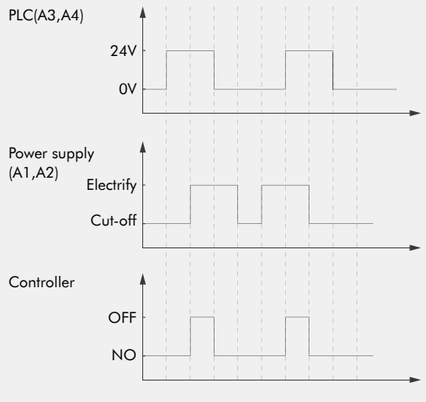


Example:
It is required to control the starting of squirrel cage asynchronous motor.
The main parameters of squirrel-cage asynchronous motor
are: P=11kW, Ue=380V, Ie=22.6A The use category is AC-3,
and the electrical life is required to be 1 million times.
According to the above curve, the contactor should be selected: NC8-25.

Coil control principle



Logic Diagram of PLC Controller



7.2 Explanation of using correction coefficient in high altitude area:

7.2.1 The GB 14048.1-2006 standard stipulates the relationship between altitude and impulse withstand voltage. When the altitude is below 2000m, it has no significant effect on product performance.

7.2.2 When the altitude is higher than 2000m, the cooling effect of air and the drop of rated impulse withstand voltage must be considered, so the manufacturer needs to negotiate with the user for design or use.

7.2.3 The following table gives the correction factors for rated impulse withstand voltage and rated working current when the rated working voltage is unchanged at an altitude of over 2000m;

Altitude (m)	**2000**	**3000**	**4000**
Correction factor of rated impulse withstand voltage	1	0.88	0.78
Correction factor of rated working current	0	0.92	0.9

7.3 Instructions for use of abnormal working environment temperature:

7.3.1 The standard GB 14048.1-2006 stipulates the normal working environment temperature of the product, which has no significant influence on the product performance.

7.3.2 When the working environment temperature is higher than +40℃ , the allowable limit temperature rise of the product must be taken into account. By reducing the rated working current, the number of contactors installed in the standard module will be reduced, otherwise the product life will be damaged, the working reliability will be shortened, and the action range of the product will be affected. When the temperature is lower than -5℃ , it should be considered that the grease used for insulation and lubrication will freeze at too low ambient temperature, which will lead to product failure. Therefore, manufacturers need to negotiate with users for design or use.

7.3.3 The following table gives the correction coefficients for different rated working currents when the working environment temperature is over +40℃ and the rated working voltage remains unchanged;

Ambient temperature℃	**40**	**50**	**60**	**70**
Coefficient of correction	1	0.875	0.75	0.625

7.4 Description of volume reduction when used in corrosive environment:

7.4.1 Effect on metal
parts Chlorine Cl_2
Nitrogen
dioxide NO_2
hydrogen
sulfide H_2S
Sulfur dioxide SO_2

7.4.2 copper
The thickness of copper sulfide coating in chlorine environment will be twice that in normal environment, which is basically the same in the presence of nitrogen dioxide;

7.4.3 silver
When silver contact or silver-coated contact is used in SO_2 and H_2S environment, the surface of the contact will darken, thus forming a silver sulfide coating, which will increase the contact temperature and lead to contact damage. In humid environment, when chlorine and hydrogen sulfide coexist, the thickness of the coating will increase by 7 times, and if hydrogen sulfide and NO_2 coexist, the thickness of the silver sulfide coating will increase by 20 times.

7.4.4 When selecting the type, you should consider
In oil refining, steel, paper making, artificial fiber (nylon) industries, or industries that generally use sulfur, the equipment used will be sulfurized, which is also called oxidation in chemical industry. Installing the equipment in the machine room cannot guarantee that it will not be oxidized. In order to keep the air pressure in the machine room slightly higher than atmospheric pressure, the air inlet is generally short. This can really reduce external pollution to a certain extent. However, after five to six years of operation, the corrosion of equipment is inevitable, and the oxidation of equipment is inevitable. Until the equipment needs to be used in a factory environment with corrosive gases, the capacity reduction coefficient is the rated value of the equipment multiplied by 0.6 (at most 0.8). This method can avoid accelerating oxidation due to temperature rise;

7.5 Instructions for parallel connection of poles:

7.5.1 After the poles are connected in parallel, considering the distribution of long-term unstable current between phases, the rated current of parallel poles needs to be corrected. The specific correction coefficient is given in the table below;

Number of parallel poles	**2**	**3**	**4**
Coefficient of correction	1.6	2.25	2.8

7.6 Application in lighting circuit

Product specification			**06M,09M,12M**	**09,12**	**18**	**25**	**32,38**	**40**	**50,65**	**80,100**
Technical parameters of the lamp (220V/240V)			Maximum number of allowable controls							
W	A	μF								
filament lamp										
60	0.27	-	35	59	77	92	129	163	207	296
75	0.34	-	28	47	61	73	103	129	164	235
100	0.45	-	21	35	46	55	77	97	124	177
150	0.68	-	14	23	30	36	51	64	82	117
200	0.91	-	10	17	23	27	38	48	62	88
300	1.40	-	6	11	15	18	25	31	40	57
500	2.30	-	4	7	8	11	15	19	24	34
750	3.40	-	2	4	6	7	10	13	16	23
1000	4.60	-	2	3	4	5	7	9	12	17
Single tube fluorescent lamp (with starter and without compensation)										
20	0.39	-	24	41	53	66	89	112	143	205
40	0.45	-	21	35	46	57	77	97	124	177
65	0.70	-	12	22	30	37	50	62	80	114
80	0.80	-	12	20	26	32	43	55	70	100
110	1.15	-	8	12	15	20	26	35	46	66
Single tube fluorescent lamp (with starter and parallel compensation)										
20	0.18	5	83	94	105	155	215	233	335	530
40	0.26	5	58	65	75	107	150	160	230	365
65	0.42	7	35	40	45	66	92	100	142	225
80	0.52	7	28	32	36	53	74	80	115	180
100	0.6	16	23	26	29	43	59	64	92	145
110	0.70	18	21	24	27	40	55	59	85	135
Double-tube fluorescent lamp (with starter and without compensation)										
2×20	2×0.22	-	21	36	46	58	78	100	126	180
2×40	2×0.41	-	11	18	24	30	42	52	68	96
2×65	2×0.67	-	7	10	14	18	26	32	40	58
2×80	2×0.82	-	5	8	12	14	20	26	34	48
2×110	2×1.10	-	4	6	8	10	14	18	24	36
Double-tube fluorescent lamp (with starter and series compensation)										
2×20	2×0.13	-	36	60	80	100	134	168	214	306
2×40	2×0.24	-	20	32	42	54	72	90	116	166
2×65	2×0.39	-	12	20	26	32	44	56	70	102
2×80	2×0.48	-	10	16	20	26	36	44	58	82
2×110	2×0.65	-	7	12	16	20	26	32	42	60
Single-tube fluorescent lamp (without starter and compensation)										
20	0.43	-	22	37	48	60	97	102	130	186
40	0.55	-	17	29	38	47	63	80	101	145
65	0.80	-	12	20	26	32	43	55	70	100
80	0.95	-	10	16	22	27	36	46	58	84
110	0.40	-	6	11	15	18	25	31	40	57
Single-tube fluorescent lamp (without starter and parallel compensation)										
20	0.19	5	50	84	110	136	184	231	294	421
40	0.29	5	33	55	72	89	101	151	193	275
65	0.46	7	20	34	45	56	76	95	121	173
80	0.57	7	16	28	36	45	61	77	98	140
110	0.79	16	-	20	26	32	44	55	70	101

Product specification			**06M,09M,12M**	**09,12**	**18**	**25**	**32,38**	**40**	**50,65**	**80,100**
Technical parameters of the lamp (220V/240V)			Maximum number of allowable controls							
W	A	μF								
Double-tube fluorescent lamp (without starter and compensation)										
2×20	2×0.25	-	19	32	42	52	70	88	112	160
2×40	2×0.47	-	10	16	22	26	36	46	58	84
2×65	2×0.76	-	6	10	12	16	22	28	36	52
2×80	2×0.93	-	5	8	10	12	18	22	30	42
2×110	2×1.30	-	3	6	8	10	12	16	20	30
Double-tube fluorescent lamp (without starter and series compensation)										
2×20	2×0.15	-	34	56	74	92	124	156	200	234
2×40	2×0.26	-	18	30	40	50	66	84	106	152
2×65	2×0.43	-	11	18	24	30	40	50	64	92
2×80	2×0.53	-	9	14	18	24	32	40	52	74
2×110	2×0.72	-	6	10	14	18	24	30	38	54
Double-tube fluorescent lamp (with starter and without compensation)										
35	1.2	-	6	10	12	15	21	27	35	50
55	1.6	-	5	7	9	11	16	20	26	37
90	2.4	-	3	5	6	7	10	13	17	25
135	3.1	-	2	3	4	6	8	10	13	19
150	3.2	-	2	3	4	5	8	10	13	18
180	3.3	-	2	3	4	5	7	10	12	18
200	3.4	-	2	3	4	5	7	9	12	17
Low pressure sodium vapor lamp (parallel compensation)										
35	0.3	17	-	40	50	63	86	110	140	200
55	0.4	17	-	30	37	47	65	82	105	150
90	0.6	25	-	-	25	31	43	55	70	100
135	0.9	36	-	-	-	21	28	36	46	66
150	1.0	36	-	-	-	19	26	33	42	60
180	1.2	36	-	-	-	15	21	27	35	50
200	1.3	36	-	-	-	14	20	25	32	46
High pressure sodium vapor lamp (without compensation)										
150	1.9	-	4	6	7	10	13	17	22	31
250	3.2	-	2	3	4	5	8	10	13	18
400	5.0	-	1	2	3	3	5	6	8	12
700	8.8	-	-	-	2	2	2	3	4	6
1000	12.4	-	-	-	1	1	2	2	3	4
High pressure sodium vapor lamp (parallel compensation)										
150	0.84	20	-	-	17	22	30	39	50	71
250	1.4	32	-	-	-	13	18	23	30	42
400	2.2	48	-	-	-	8	11	15	19	27
700	3.6	96	-	-	-	-	6	8	10	15
1000	5.5	120	-	-	-	-	-	6	7	10
High pressure mercury lamp (without compensation)										
50	0.54	-	14	22	27	35	48	64	77	111
80	0.81	-	9	14	18	23	32	40	51	74
125	1.20	-	6	9	12	15	21	27	34	49
250	2.30	-	3	5	6	8	11	14	17	26
400	4.10	-	1	2	3	4	6	8	10	14
700	6.80	-	-	1	2	2	3	4	6	8
1000	9.90	-	-	1	1	1	2	3	4	6
High-voltage mercury lamp (parallel compensation)										
50	0.30	10	-	40	50	63	86	110	140	200
80	0.45	10	-	26	33	42	57	73	93	133
125	0.67	10	-	17	22	28	38	49	62	89
250	1.3	18	-	9	11	14	20	25	32	46
400	2.3	25	-	-	6	8	11	14	18	26
700	3.8	40	-	-	-	5	6	8	11	15
1000	5.5	60	-	-	-	3	4	6	7	10

8. ordering instructions

8.1 When ordering, it must be pointed out that:
8.1.1 Complete name and model of contactor;
8.1.2 Rated working voltage and frequency of coil or specification code;
8.1.3 Order quantity;

8.2 Example of ordering: 10 sets of NC8-1822 AC contactor coil voltage of 220v 50hz;

NC8	- 06	M	01	/ 22	/ Z	/ N	220V	50Hz
Product Series	**Rated Current (AC-3)**	**Contactor Type**	**Auxiliary Contact**	**Main Contact**	**Coil Type**	**Function**	**Control Voltage**	**Frequency**
	06: 6A 09: 9A 12: 12A 18: 18A 25: 25A 32: 32A 38: 38A 40: 40A 50: 50A 65: 65A 80: 80A 100: 100A 115: 115A 150: 150A 170: 170A 205: 205A 265: 265A 300: 300A 400: 400A 500: 500A 630: 630A 800: 800A 1000: 1000A 1260: 1260A (AC-1) 1450: 1450A (AC-1) 1700: 1700A (AC-1) 2100: 2100A (AC-1) 2650: 2650A (AC-1)	Blank: standard type (9~2650A) M: miniature type (6~12A)	Blank: 1NO+1NC (standard type, 9~100A) 2NO+2NC (115~1260A) no auxiliary contact (1450~2650A) no auxiliary contact (4P contactor) 01: 1NC (miniature type) 10: 1NO (miniature type) 22: 2NO+2NC (standard type, 9~38A)	Blank: 3NO (6~2650A) 22: 2NO+2NC (6~100A) 4: 4NO (6~100A)	Blank: standard AC coil Z: standard DC coil W: wide band AC/DC coil YZ: low power consumption DC coil	Blank: non-reversing N: reversing	6~100A: 24V: AC24V 110V: AC110V 120V: AC120V 220V: AC220V 230V: AC230V 240V: AC240V 380V: AC380V 400V: AC400V 415V: AC415V 440V: AC440V DC24V: DC24V DC48V: DC48V DC110V: DC110V DC220V: DC220V AC/DC 24~60V AC/DC 48~130V AC/DC 100~250V 115~500A: AC/DC 110~127V AC/DC 220~240V AC/DC 380~415V AC/DC 100~250V (115~170A only) 630~1260A: AC/DC 48V AC/DC 110~127V AC/DC 220~240V AC/DC 380~415V AC/DC 100~250V AC/DC 250~500V 1450~2650A: 220V: AC220V 380V: AC380V	50Hz 60Hz 50/60Hz

NC8 Mini type Contactor 3P (6~12A)

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
6A	3NO	1NC	AC380/400V 50/60Hz	NC8-06M01 380/400V 50/60Hz	241985
6A	3NO	1NC	AC220/230V 50/60Hz	NC8-06M01 220/230V 50/60Hz	241986
6A	3NO	1NC	AC110V 50/60Hz	NC8-06M01 110V 50/60Hz	241987
6A	3NO	1NC	AC24V 50/60Hz	NC8-06M01 24V 50/60Hz	241988
6A	3NO	1NC	AC240V 50/60Hz	NC8-06M01 240V 50/60Hz	252718
6A	3NO	1NC	AC380/400V 50/60Hz	NC8-06M01/N 380/400V 50/60Hz	242081
6A	3NO	1NC	AC220/230V 50/60Hz	NC8-06M01/N 220/230V 50/60Hz	242082
6A	3NO	1NC	AC110V 50/60Hz	NC8-06M01/N 110V 50/60Hz	242083
6A	3NO	1NC	AC24V 50/60Hz	NC8-06M01/N 24V 50/60Hz	242084
6A	3NO	1NO	AC380/400V 50/60Hz	NC8-06M10 380/400V 50/60Hz	241961
6A	3NO	1NO	AC220/230V 50/60Hz	NC8-06M10 220/230V 50/60Hz	241962
6A	3NO	1NO	AC110V 50/60Hz	NC8-06M10 110V 50/60Hz	241963
6A	3NO	1NO	AC24V 50/60Hz	NC8-06M10 24V 50/60Hz	241964
6A	3NO	1NO	AC120V 50/60Hz	NC8-06M10 120V 50/60Hz	781254
6A	3NO	1NO	AC240V 50/60Hz	NC8-06M10 240V 50/60Hz	781257
6A	3NO	1NO	AC440V 50/60Hz	NC8-06M10 440V 50/60Hz	781308
6A	3NO	1NO	AC380/400V 50/60Hz	NC8-06M10/N 380/400V 50/60Hz	242057
6A	3NO	1NO	AC220/230V 50/60Hz	NC8-06M10/N 220/230V 50/60Hz	242058
6A	3NO	1NO	AC110V 50/60Hz	NC8-06M10/N 110V 50/60Hz	242059
6A	3NO	1NO	AC24V 50/60Hz	NC8-06M10/N 24V 50/60Hz	242060
6A	3NO	1NC	DC220V	NC8-06M01/Z DC220V	242034
6A	3NO	1NC	DC110V	NC8-06M01/Z DC110V	242035
6A	3NO	1NC	DC24V	NC8-06M01/Z DC24V	242036
6A	3NO	1NC	DC220V	NC8-06M01/Z/N DC220V	242130
6A	3NO	1NC	DC110V	NC8-06M01/Z/N DC110V	242131
6A	3NO	1NC	DC24V	NC8-06M01/Z/N DC24V	242132
6A	3NO	1NO	DC220V	NC8-06M01/Z DC220V	242010
6A	3NO	1NO	DC110V	NC8-06M01/Z DC110V	242011
6A	3NO	1NO	DC24V	NC8-06M01/Z DC24V	242012
6A	3NO	1NO	DC220V	NC8-06M10/Z/N DC220V	242106
6A	3NO	1NO	DC110V	NC8-06M10/Z/N DC110V	242107
6A	3NO	1NO	DC24V	NC8-06M10/Z/N DC24V	242108
9A	3NO	1NC	AC380/400V 50/60Hz	NC8-09M01 380/400V 50/60Hz	241989
9A	3NO	1NC	AC220/230V 50/60Hz	NC8-09M01 220/230V 50/60Hz	241990
9A	3NO	1NC	AC110V 50/60Hz	NC8-09M01 110V 50/60Hz	241991
9A	3NO	1NC	AC24V 50/60Hz	NC8-09M01 24V 50/60Hz	241992
9A	3NO	1NC	AC240V 50/60Hz	NC8-09M01 240V 50/60Hz	252721
9A	3NO	1NC	AC380/400V 50/60Hz	NC8-09M01/N 380/400V 50/60Hz	242085
9A	3NO	1NC	AC220/230V 50/60Hz	NC8-09M01/N 220/230V 50/60Hz	242086
9A	3NO	1NC	AC110V 50/60Hz	NC8-09M01/N 110V 50/60Hz	242087
9A	3NO	1NC	AC24V 50/60Hz	NC8-09M01/N 24V 50/60Hz	242088
9A	3NO	1NO	AC380/400V 50/60Hz	NC8-09M10 380/400V 50/60Hz	241965
9A	3NO	1NO	AC220/230V 50/60Hz	NC8-09M10 220/230V 50/60Hz	241966
9A	3NO	1NO	AC110V 50/60Hz	NC8-09M10 110V 50/60Hz	241967
9A	3NO	1NO	AC24V 50/60Hz	NC8-09M10 24V 50/60Hz	241968
9A	3NO	1NO	AC120V 50/60Hz	NC8-09M10 120V 50/60Hz	781255
9A	3NO	1NO	AC240V 50/60Hz	NC8-09M10 240V 50/60Hz	781258
9A	3NO	1NO	AC380/400V 50/60Hz	NC8-09M10/N 380/400V 50/60Hz	242061
9A	3NO	1NO	AC220/230V 50/60Hz	NC8-09M10/N 220/230V 50/60Hz	242062
9A	3NO	1NO	AC110V 50/60Hz	NC8-09M10/N 110V 50/60Hz	242063
9A	3NO	1NO	AC24V 50/60Hz	NC8-09M10/N 24V 50/60Hz	242064
9A	3NO	1NO	AC120V 50/60Hz	NC8-09M10/N 120V 50/60Hz	781260
9A	3NO	1NO	AC240V 50/60Hz	NC8-09M10/N 240V 50/60Hz	781262
9A	3NO	1NC	DC220V	NC8-09M01/Z DC220V	242038
9A	3NO	1NC	DC110V	NC8-09M01/Z DC110V	242039
9A	3NO	1NC	DC24V	NC8-09M01/Z DC24V	242040
9A	3NO	1NC	DC220V	NC8-09M01/Z/N DC220V	242134
9A	3NO	1NC	DC110V	NC8-09M01/Z/N DC110V	242135
9A	3NO	1NC	DC24V	NC8-09M01/Z/N DC24V	242136
9A	3NO	1NC	DC48V	NC8-09M01/Z/N DC48V	665134
9A	3NO	1NO	DC220V	NC8-09M10/Z DC220V	242014
9A	3NO	1NO	DC110V	NC8-09M10/Z DC110V	242015
9A	3NO	1NO	DC24V	NC8-09M10/Z DC24V	242016
9A	3NO	1NO	DC48V	NC8-09M10/Z DC48V	369186
9A	3NO	1NO	DC220V	NC8-09M10/Z/N DC220V	242110
9A	3NO	1NO	DC110V	NC8-09M10/Z/N DC110V	242111
9A	3NO	1NO	DC24V	NC8-09M10/Z/N DC24V	242112

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	3NO	1NC	AC380/400V 50/60Hz	NC8-12M01 380/400V 50/60Hz	241993
12A	3NO	1NC	AC220/230V 50/60Hz	NC8-12M01 220/230V 50/60Hz	241994
12A	3NO	1NC	AC110V 50/60Hz	NC8-12M01 110V 50/60Hz	241995
12A	3NO	1NC	AC24V 50/60Hz	NC8-12M01 24V 50/60Hz	241996
12A	3NO	1NC	AC120V 50/60Hz	NC8-12M01 120V 50/60Hz	781272
12A	3NO	1NC	AC240V 50/60Hz	NC8-12M01 240V 50/60Hz	781273
12A	3NO	1NC	AC380/400V 50/60Hz	NC8-12M01/N 380/400V 50/60Hz	242089
12A	3NO	1NC	AC220/230V 50/60Hz	NC8-12M01/N 220/230V 50/60Hz	242090
12A	3NO	1NC	AC110V 50/60Hz	NC8-12M01/N 110V 50/60Hz	242091
12A	3NO	1NC	AC24V 50/60Hz	NC8-12M01/N 24V 50/60Hz	242092
12A	3NO	1NO	AC380/400V 50/60Hz	NC8-12M10 380/400V 50/60Hz	241969
12A	3NO	1NO	AC220/230V 50/60Hz	NC8-12M10 220/230V 50/60Hz	241970
12A	3NO	1NO	AC110V 50/60Hz	NC8-12M10 110V 50/60Hz	241971
12A	3NO	1NO	AC24V 50/60Hz	NC8-12M10 24V 50/60Hz	241972
12A	3NO	1NO	AC120V 50/60Hz	NC8-12M10 120V 50/60Hz	781256
12A	3NO	1NO	AC240V 50/60Hz	NC8-12M10 240V 50/60Hz	781259
12A	3NO	1NO	AC380/400V 50/60Hz	NC8-12M10/N 380/400V 50/60Hz	242065
12A	3NO	1NO	AC220/230V 50/60Hz	NC8-12M10/N 220/230V 50/60Hz	242066
12A	3NO	1NO	AC110V 50/60Hz	NC8-12M10/N 110V 50/60Hz	242067
12A	3NO	1NO	AC24V 50/60Hz	NC8-12M10/N 24V 50/60Hz	242068
12A	3NO	1NO	AC120V 50/60Hz	NC8-12M10/N 120V 50/60Hz	781261
12A	3NO	1NO	AC240V 50/60Hz	NC8-12M10/N 240V 50/60Hz	781263
12A	3NO	1NC	DC220V	NC8-12M01/Z DC220V	242042
12A	3NO	1NC	DC110V	NC8-12M01/Z DC110V	242043
12A	3NO	1NC	DC24V	NC8-12M01/Z DC24V	242044
12A	3NO	1NC	DC220V	NC8-12M01/Z/N DC220V	242138
12A	3NO	1NC	DC110V	NC8-12M01/Z/N DC110V	242139
12A	3NO	1NC	DC24V	NC8-12M01/Z/N DC24V	242140
12A	3NO	1NO	DC220V	NC8-12M10/Z DC220V	242018
12A	3NO	1NO	DC110V	NC8-12M10/Z DC110V	242019
12A	3NO	1NO	DC24V	NC8-12M10/Z DC24V	242020
12A	3NO	1NO	DC220V	NC8-12M10/Z/N DC220V	242114
12A	3NO	1NO	DC110V	NC8-12M10/Z/N DC110V	242115
12A	3NO	1NO	DC24V	NC8-12M10/Z/N DC24V	242116

NC8 Mini type Contactor 4P (6~12A)

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
6A	2NO+2NC	-	AC380/400V 50/60Hz	NC8-06M/22 380/400V 50/60Hz	241997
6A	2NO+2NC	-	AC220/230V 50/60Hz	NC8-06M/22 220/230V 50/60Hz	241998
6A	2NO+2NC	-	AC110V 50/60Hz	NC8-06M/22 110V 50/60Hz	241999
6A	2NO+2NC	-	AC24V 50/60Hz	NC8-06M/22 24V 50/60Hz	242000
6A	2NO+2NC	-	AC240V 50/60Hz	NC8-06M/22 240V 50/60Hz	781284
6A	2NO+2NC	-	DC220V	NC8-06M/22/Z DC220V	242046
6A	2NO+2NC	-	DC110V	NC8-06M/22/Z DC110V	242047
6A	2NO+2NC	-	DC24V	NC8-06M/22/Z DC24V	242048
6A	4NO	-	AC380/400V 50/60Hz	NC8-06M/4 380/400V 50/60Hz	241973
6A	4NO	-	AC220/230V 50/60Hz	NC8-06M/4 220/230V 50/60Hz	241974
6A	4NO	-	AC110V 50/60Hz	NC8-06M/4 110V 50/60Hz	241975
6A	4NO	-	AC24V 50/60Hz	NC8-06M/4 24V 50/60Hz	241976
6A	4NO	-	AC240V 50/60Hz	NC8-06M/4 240V 50/60Hz	781286
6A	4NO	-	AC380/400V 50/60Hz	NC8-06M/4/N 380/400V 50/60Hz	242069
6A	4NO	-	AC220/230V 50/60Hz	NC8-06M/4/N 220/230V 50/60Hz	242070
6A	4NO	-	AC110V 50/60Hz	NC8-06M/4/N 110V 50/60Hz	242071
6A	4NO	-	AC24V 50/60Hz	NC8-06M/4/N 24V 50/60Hz	242072
6A	4NO	-	DC220V	NC8-06M/4/Z DC220V	242022
6A	4NO	-	DC110V	NC8-06M/4/Z DC110V	242023
6A	4NO	-	DC24V	NC8-06M/4/Z DC24V	242024
6A	4NO	-	DC220V	NC8-06M/4/Z/N DC220V	242118
6A	4NO	-	DC110V	NC8-06M/4/Z/N DC110V	242119
6A	4NO	-	DC24V	NC8-06M/4/Z/N DC24V	242120
9A	2NO+2NC	-	AC380/400V 50/60Hz	NC8-09M/22 380/400V 50/60Hz	242001
9A	2NO+2NC	-	AC220/230V 50/60Hz	NC8-09M/22 220/230V 50/60Hz	242002
9A	2NO+2NC	-	AC110V 50/60Hz	NC8-09M/22 110V 50/60Hz	242003
9A	2NO+2NC	-	AC24V 50/60Hz	NC8-09M/22 24V 50/60Hz	242004
9A	2NO+2NC	-	AC240V 50/60Hz	NC8-09M/22 240V 50/60Hz	252719
9A	2NO+2NC	-	DC220V	NC8-09M/22/Z DC220V	242050
9A	2NO+2NC	-	DC110V	NC8-09M/22/Z DC110V	242051
9A	2NO+2NC	-	DC24V	NC8-09M/22/Z DC24V	242052
9A	2NO+2NC	-	DC48V	NC8-09M/22/Z DC48V	369185
9A	4NO	-	AC380/400V 50/60Hz	NC8-09M/4 380/400V 50/60Hz	241977
9A	4NO	-	AC220/230V 50/60Hz	NC8-09M/4 220/230V 50/60Hz	241978
9A	4NO	-	AC110V 50/60Hz	NC8-09M/4 110V 50/60Hz	241979
9A	4NO	-	AC24V 50/60Hz	NC8-09M/4 24V 50/60Hz	241980
9A	4NO	-	AC240V 50/60Hz	NC8-09M/4 240V 50/60Hz	252720
9A	4NO	-	AC380/400V 50/60Hz	NC8-09M/4/N 380/400V 50/60Hz	242073
9A	4NO	-	AC220/230V 50/60Hz	NC8-09M/4/N 220/230V 50/60Hz	242074
9A	4NO	-	AC110V 50/60Hz	NC8-09M/4/N 110V 50/60Hz	242075
9A	4NO	-	AC24V 50/60Hz	NC8-09M/4/N 24V 50/60Hz	242076
9A	4NO	-	DC220V	NC8-09M/4/Z DC220V	242026
9A	4NO	-	DC110V	NC8-09M/4/Z DC110V	242027
9A	4NO	-	DC24V	NC8-09M/4/Z DC24V	242028
9A	4NO	-	DC220V	NC8-09M/4/Z/N DC220V	242122
9A	4NO	-	DC110V	NC8-09M/4/Z/N DC110V	242123
9A	4NO	-	DC24V	NC8-09M/4/Z/N DC24V	242124

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	2NO+2NC	-	AC380/400V 50/60Hz	NC8-12M/22 380/400V 50/60Hz	242005
12A	2NO+2NC	-	AC220/230V 50/60Hz	NC8-12M/22 220/230V 50/60Hz	242006
12A	2NO+2NC	-	AC110V 50/60Hz	NC8-12M/22 110V 50/60Hz	242007
12A	2NO+2NC	-	AC24V 50/60Hz	NC8-12M/22 24V 50/60Hz	242008
12A	2NO+2NC	-	AC240V 50/60Hz	NC8-12M/22 240V 50/60Hz	252722
12A	2NO+2NC	-	DC220V	NC8-12M/22/Z DC220V	242054
12A	2NO+2NC	-	DC110V	NC8-12M/22/Z DC110V	242055
12A	2NO+2NC	-	DC24V	NC8-12M/22/Z DC24V	242056
12A	2NO+2NC	-	DC48V	NC8-12M/22/Z DC48V	665078
12A	4NO	-	AC380/400V 50/60Hz	NC8-12M/4 380/400V 50/60Hz	241981
12A	4NO	-	AC220/230V 50/60Hz	NC8-12M/4 220/230V 50/60Hz	241982
12A	4NO	-	AC110V 50/60Hz	NC8-12M/4 110V 50/60Hz	241983
12A	4NO	-	AC24V 50/60Hz	NC8-12M/4 24V 50/60Hz	241984
12A	4NO	-	AC240V 50/60Hz	NC8-12M/4 240V 50/60Hz	252723
12A	4NO	-	AC380/400V 50/60Hz	NC8-12M/4/N 380/400V 50/60Hz	242077
12A	4NO	-	AC220/230V 50/60Hz	NC8-12M/4/N 220/230V 50/60Hz	242078
12A	4NO	-	AC110V 50/60Hz	NC8-12M/4/N 110V 50/60Hz	242079
12A	4NO	-	AC24V 50/60Hz	NC8-12M/4/N 24V 50/60Hz	242080
12A	4NO	-	DC220V	NC8-12M/4/Z DC220V	242030
12A	4NO	-	DC110V	NC8-12M/4/Z DC110V	242031
12A	4NO	-	DC48V	NC8-12M/4/Z DC48V	242875
12A	4NO	-	DC24V	NC8-12M/4/Z DC24V	242032
12A	4NO	-	DC220V	NC8-12M/4/Z/N DC220V	242126
12A	4NO	-	DC110V	NC8-12M/4/Z/N DC110V	242127
12A	4NO	-	DC24V	NC8-12M/4/Z/N DC24V	242128

NC8 Contactor 9~1260A

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	3NO	1NO+1NC	AC415V 50/60Hz	NC8-09 415V 50/60Hz	206367
9A	3NO	1NO+1NC	AC380V 50Hz	NC8-09 380V 50Hz	242177
9A	3NO	1NO+1NC	AC220V 50Hz	NC8-09 220V 50Hz	242178
9A	3NO	1NO+1NC	AC110V 50Hz	NC8-09 110V 50Hz	242179
9A	3NO	1NO+1NC	AC24V 50Hz	NC8-09 24V 50Hz	242180
9A	3NO	1NO+1NC	AC230V 50Hz	NC8-09 230V 50Hz	242499
9A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-09 230V 50/60Hz	242873
9A	3NO	1NO+1NC	AC110V 60Hz	NC8-09 110V 60Hz	252724
9A	3NO	1NO+1NC	AC230V 60Hz	NC8-09 230V 60Hz	252725
9A	3NO	1NO+1NC	AC240V 50Hz	NC8-09 240V 50Hz	252726
9A	3NO	1NO+1NC	AC240V 60Hz	NC8-09 240V 60Hz	252727
9A	3NO	1NO+1NC	AC24V 60Hz	NC8-09 24V 60Hz	252728
9A	3NO	1NO+1NC	AC380V 60Hz	NC8-09 380V 60Hz	252729
9A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-09 380V 50/60Hz	252730
9A	3NO	1NO+1NC	AC120V 50/60Hz	NC8-09 120V 50/60Hz	665036
9A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-09 220V 50/60Hz	665037
9A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-09 24V 50/60Hz	665135
9A	3NO	1NO+1NC	AC220V 60Hz	NC8-09 220V 60Hz	665842
9A	3NO	1NO+1NC	AC400V 50/60Hz	NC8-09 400V 50/60Hz	665850
9A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-09 110V 50/60Hz	781044
9A	3NO	1NO+1NC	AC400V 50Hz	NC8-09 400V 50Hz	781276
9A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-09 240V 50/60Hz	781634
9A	3NO	1NO+1NC	AC380V 50Hz	NC8-09/N 380V 50Hz	242313
9A	3NO	1NO+1NC	AC220V 50Hz	NC8-09/N 220V 50Hz	242314
9A	3NO	1NO+1NC	AC110V 50Hz	NC8-09/N 110V 50Hz	242315
9A	3NO	1NO+1NC	AC24V 50Hz	NC8-09/N 24V 50Hz	242316
9A	3NO	1NO+1NC	AC230V 50Hz	NC8-09/N 230V 50Hz	242509
9A	3NO	1NO+1NC	DC110V	NC8-09/YZ DC110V	520871
9A	3NO	1NO+1NC	DC24V	NC8-09/YZ DC24V	520873
9A	3NO	1NO+1NC	DC220V	NC8-09/Z DC220V	665818
9A	3NO	1NO+1NC	DC110V	NC8-09/Z DC110V	665819
9A	3NO	1NO+1NC	DC48V	NC8-09/Z DC48V	665820
9A	3NO	1NO+1NC	DC24V	NC8-09/Z DC24V	665821
9A	3NO	2NO+2NC	AC230V 60Hz	NC8-0922 230V 60Hz	206341
9A	3NO	2NO+2NC	AC380V 50Hz	NC8-0922 380V 50Hz	242189
9A	3NO	2NO+2NC	AC220V 50Hz	NC8-0922 220V 50Hz	242190
9A	3NO	2NO+2NC	AC110V 50Hz	NC8-0922 110V 50Hz	242191
9A	3NO	2NO+2NC	AC24V 50Hz	NC8-0922 24V 50Hz	242192
9A	3NO	2NO+2NC	AC230V 50Hz	NC8-0922 230V 50Hz	242511
9A	3NO	2NO+2NC	AC110V 60Hz	NC8-0922 110V 60Hz	252750
9A	3NO	2NO+2NC	AC220V 60Hz	NC8-0922 220V 60Hz	252751
9A	3NO	2NO+2NC	AC230V 50/60Hz	NC8-0922 230V 50/60Hz	252752
9A	3NO	2NO+2NC	AC24V 60Hz	NC8-0922 24V 60Hz	252753
9A	3NO	2NO+2NC	AC24V 50/60Hz	NC8-0922 24V 50/60Hz	252754
9A	3NO	2NO+2NC	AC380V 60Hz	NC8-0922 380V 60Hz	252755
9A	3NO	2NO+2NC	AC380V 50/60Hz	NC8-0922 380V 50/60Hz	252756
9A	3NO	2NO+2NC	AC400V 50/60Hz	NC8-0922 400V 50/60Hz	665784
9A	3NO	2NO+2NC	AC110V 50/60Hz	NC8-0922 110V 50/60Hz	781049
9A	3NO	2NO+2NC	AC220V 50/60Hz	NC8-0922 220V 50/60Hz	781693

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	3NO	2NO+2NC	AC380V 50Hz	NC8-0922/N 380V 50Hz	242325
9A	3NO	2NO+2NC	AC220V 50Hz	NC8-0922/N 220V 50Hz	242326
9A	3NO	2NO+2NC	AC110V 50Hz	NC8-0922/N 110V 50Hz	242327
9A	3NO	2NO+2NC	AC24V 50Hz	NC8-0922/N 24V 50Hz	242328
9A	3NO	2NO+2NC	AC230V 50Hz	NC8-0922/N 230V 50Hz	242513
9A	3NO	2NO+2NC	DC110V	NC8-0922/YZ DC110V	520874
9A	3NO	2NO+2NC	DC24V	NC8-0922/YZ DC24V	520876
9A	3NO	2NO+2NC	DC220V	NC8-0922/Z DC220V	665830
9A	3NO	2NO+2NC	DC110V	NC8-0922/Z DC110V	665831
9A	3NO	2NO+2NC	DC48V	NC8-0922/Z DC48V	665832
9A	3NO	2NO+2NC	DC24V	NC8-0922/Z DC24V	665833
9A	2NO+2NC	-	AC380V 50Hz	NC8-09/22 380V 50Hz	242165
9A	2NO+2NC	-	AC220V 50Hz	NC8-09/22 220V 50Hz	242166
9A	2NO+2NC	-	AC110V 50Hz	NC8-09/22 110V 50Hz	242167
9A	2NO+2NC	-	AC24V 50Hz	NC8-09/22 24V 50Hz	242168
9A	2NO+2NC	-	AC230V 50Hz	NC8-09/22 230V 50Hz	242501
9A	2NO+2NC	-	AC230V 50/60Hz	NC8-09/22 230V 50/60Hz	242874
9A	2NO+2NC	-	AC110V 60Hz	NC8-09/22 110V 60Hz	252731
9A	2NO+2NC	-	AC110V 50/60Hz	NC8-09/22 110V 50/60Hz	252732
9A	2NO+2NC	-	AC220V 60Hz	NC8-09/22 220V 60Hz	252733
9A	2NO+2NC	-	AC220V 50/60Hz	NC8-09/22 220V 50/60Hz	252734
9A	2NO+2NC	-	AC230V 60Hz	NC8-09/22 230V 60Hz	252735
9A	2NO+2NC	-	AC24V 60Hz	NC8-09/22 24V 60Hz	252736
9A	2NO+2NC	-	AC24V 50/60Hz	NC8-09/22 24V 50/60Hz	252737
9A	2NO+2NC	-	AC380V 60Hz	NC8-09/22 380V 60Hz	252738
9A	2NO+2NC	-	AC380V 50/60Hz	NC8-09/22 380V 50/60Hz	252739
9A	2NO+2NC	-	DC220V	NC8-09/22/Z DC220V	781004
9A	2NO+2NC	-	DC110V	NC8-09/22/Z DC110V	781005
9A	2NO+2NC	-	DC48V	NC8-09/22/Z DC48V	781006
9A	2NO+2NC	-	DC24V	NC8-09/22/Z DC24V	781007
9A	4NO	-	AC380V 50Hz	NC8-09/4 380V 50Hz	242153
9A	4NO	-	AC220V 50Hz	NC8-09/4 220V 50Hz	242154
9A	4NO	-	AC110V 50Hz	NC8-09/4 110V 50Hz	242155
9A	4NO	-	AC24V 50Hz	NC8-09/4 24V 50Hz	242156
9A	4NO	-	AC230V 50Hz	NC8-09/4 230V 50Hz	242503
9A	4NO	-	AC110V 60Hz	NC8-09/4 110V 60Hz	252740
9A	4NO	-	AC110V 50/60Hz	NC8-09/4 110V 50/60Hz	252741
9A	4NO	-	AC220V 60Hz	NC8-09/4 220V 60Hz	252742
9A	4NO	-	AC220V 50/60Hz	NC8-09/4 220V 50/60Hz	252743
9A	4NO	-	AC230V 60Hz	NC8-09/4 230V 60Hz	252744
9A	4NO	-	AC230V 50/60Hz	NC8-09/4 230V 50/60Hz	252745
9A	4NO	-	AC24V 60Hz	NC8-09/4 24V 60Hz	252746
9A	4NO	-	AC24V 50/60Hz	NC8-09/4 24V 50/60Hz	252747
9A	4NO	-	AC380V 60Hz	NC8-09/4 380V 60Hz	252748
9A	4NO	-	AC380V 50/60Hz	NC8-09/4 380V 50/60Hz	252749
9A	4NO	-	DC220V	NC8-09/4/Z DC220V	665898
9A	4NO	-	DC110V	NC8-09/4/Z DC110V	665899
9A	4NO	-	DC48V	NC8-09/4/Z DC48V	665900
9A	4NO	-	DC24V	NC8-09/4/Z DC24V	665901

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	3NO	1NO+1NC	AC415V 50/60Hz	NC8-12 415V 50/60Hz	206368
12A	3NO	1NO+1NC	AC380V 50Hz	NC8-12 380V 50Hz	242181
12A	3NO	1NO+1NC	AC220V 50Hz	NC8-12 220V 50Hz	242182
12A	3NO	1NO+1NC	AC110V 50Hz	NC8-12 110V 50Hz	242183
12A	3NO	1NO+1NC	AC24V 50Hz	NC8-12 24V 50Hz	242184
12A	3NO	1NO+1NC	AC230V 50Hz	NC8-12 230V 50Hz	242526
12A	3NO	1NO+1NC	AC110V 60Hz	NC8-12 110V 60Hz	252757
12A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-12 220V 50/60Hz	252758
12A	3NO	1NO+1NC	AC230V 60Hz	NC8-12 230V 60Hz	252759
12A	3NO	1NO+1NC	AC240V 50Hz	NC8-12 240V 50Hz	252760
12A	3NO	1NO+1NC	AC240V 60Hz	NC8-12 240V 60Hz	252761
12A	3NO	1NO+1NC	AC24V 60Hz	NC8-12 24V 60Hz	252762
12A	3NO	1NO+1NC	AC380V 60Hz	NC8-12 380V 60Hz	252763
12A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-12 380V 50/60Hz	252764
12A	3NO	1NO+1NC	AC120V 50/60Hz	NC8-12 120V 50/60Hz	665070
12A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-12 230V 50/60Hz	665071
12A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-12 24V 50/60Hz	665072
12A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-12 110V 50/60Hz	665649
12A	3NO	1NO+1NC	AC220V 60Hz	NC8-12 220V 60Hz	665843
12A	3NO	1NO+1NC	AC400V 50Hz	NC8-12 400V 50Hz	781277
12A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-12 240V 50/60Hz	781635
12A	3NO	1NO+1NC	AC380V 50Hz	NC8-12/N 380V 50Hz	242317
12A	3NO	1NO+1NC	AC220V 50Hz	NC8-12/N 220V 50Hz	242318
12A	3NO	1NO+1NC	AC110V 50Hz	NC8-12/N 110V 50Hz	242319
12A	3NO	1NO+1NC	AC24V 50Hz	NC8-12/N 24V 50Hz	242320
12A	3NO	1NO+1NC	AC230V 50Hz	NC8-12/N 230V 50Hz	242536
12A	3NO	1NO+1NC	DC110V	NC8-12/YZ DC110V	520877
12A	3NO	1NO+1NC	DC24V	NC8-12/YZ DC24V	520879
12A	3NO	1NO+1NC	DC220V	NC8-12/Z DC220V	665822
12A	3NO	1NO+1NC	DC110V	NC8-12/Z DC110V	665823
12A	3NO	1NO+1NC	DC48V	NC8-12/Z DC48V	665824
12A	3NO	1NO+1NC	DC24V	NC8-12/Z DC24V	665825
12A	3NO	2NO+2NC	AC380V 50Hz	NC8-1222 380V 50Hz	242193
12A	3NO	2NO+2NC	AC220V 50Hz	NC8-1222 220V 50Hz	242194
12A	3NO	2NO+2NC	AC110V 50Hz	NC8-1222 110V 50Hz	242195
12A	3NO	2NO+2NC	AC24V 50Hz	NC8-1222 24V 50Hz	242196
12A	3NO	2NO+2NC	AC230V 50Hz	NC8-1222 230V 50Hz	242538
12A	3NO	2NO+2NC	AC110V 60Hz	NC8-1222 110V 60Hz	252781
12A	3NO	2NO+2NC	AC230V 60Hz	NC8-1222 230V 60Hz	252782
12A	3NO	2NO+2NC	AC24V 60Hz	NC8-1222 24V 60Hz	252783
12A	3NO	2NO+2NC	AC24V 50/60Hz	NC8-1222 24V 50/60Hz	252784
12A	3NO	2NO+2NC	AC380V 60Hz	NC8-1222 380V 60Hz	252785
12A	3NO	2NO+2NC	AC380V 50/60Hz	NC8-1222 380V 50/60Hz	252786
12A	3NO	2NO+2NC	AC110V 50/60Hz	NC8-1222 110V 50/60Hz	781046
12A	3NO	2NO+2NC	AC230V 50/60Hz	NC8-1222 230V 50/60Hz	781244
12A	3NO	2NO+2NC	AC400V 50Hz	NC8-1222 400V 50Hz	781279
12A	3NO	2NO+2NC	AC220V 50/60Hz	NC8-1222 220V 50/60Hz	781316
12A	3NO	2NO+2NC	AC220V 60Hz	NC8-1222 220V 60Hz	781561
12A	3NO	2NO+2NC	AC380V 50Hz	NC8-1222/N 380V 50Hz	242329

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	3NO	2NO+2NC	AC220V 50Hz	NC8-1222/N 220V 50Hz	242330
12A	3NO	2NO+2NC	AC110V 50Hz	NC8-1222/N 110V 50Hz	242331
12A	3NO	2NO+2NC	AC24V 50Hz	NC8-1222/N 24V 50Hz	242332
12A	3NO	2NO+2NC	AC230V 50Hz	NC8-1222/N 230V 50Hz	242540
12A	3NO	2NO+2NC	AC110V 50/60Hz	NC8-1222/N 110V 50/60Hz	781042
12A	3NO	2NO+2NC	DC110V	NC8-1222/YZ DC110V	520880
12A	3NO	2NO+2NC	DC24V	NC8-1222/YZ DC24V	520882
12A	3NO	2NO+2NC	DC220V	NC8-1222/Z DC220V	665834
12A	3NO	2NO+2NC	DC110V	NC8-1222/Z DC110V	665835
12A	3NO	2NO+2NC	DC48V	NC8-1222/Z DC48V	665836
12A	3NO	2NO+2NC	DC24V	NC8-1222/Z DC24V	665837
12A	2NO+2NC	-	AC380V 50Hz	NC8-12/22 380V 50Hz	242169
12A	2NO+2NC	-	AC220V 50Hz	NC8-12/22 220V 50Hz	242170
12A	2NO+2NC	-	AC110V 50Hz	NC8-12/22 110V 50Hz	242171
12A	2NO+2NC	-	AC24V 50Hz	NC8-12/22 24V 50Hz	242172
12A	2NO+2NC	-	AC230V 50Hz	NC8-12/22 230V 50Hz	242528
12A	2NO+2NC	-	AC110V 60Hz	NC8-12/22 110V 60Hz	252765
12A	2NO+2NC	-	AC220V 60Hz	NC8-12/22 220V 60Hz	252766
12A	2NO+2NC	-	AC230V 60Hz	NC8-12/22 230V 60Hz	252767
12A	2NO+2NC	-	AC230V 50/60Hz	NC8-12/22 230V 50/60Hz	252768
12A	2NO+2NC	-	AC24V 60Hz	NC8-12/22 24V 60Hz	252769
12A	2NO+2NC	-	AC24V 50/60Hz	NC8-12/22 24V 50/60Hz	252770
12A	2NO+2NC	-	AC380V 60Hz	NC8-12/22 380V 60Hz	252771
12A	2NO+2NC	-	AC380V 50/60Hz	NC8-12/22 380V 50/60Hz	252772
12A	2NO+2NC	-	AC110V 50/60Hz	NC8-12/22 110V 50/60Hz	781043
12A	2NO+2NC	-	AC220V 50/60Hz	NC8-12/22 220V 50/60Hz	781297
12A	2NO+2NC	-	DC220V	NC8-12/22/Z DC220V	781008
12A	2NO+2NC	-	DC110V	NC8-12/22/Z DC110V	781009
12A	2NO+2NC	-	DC48V	NC8-12/22/Z DC48V	781010
12A	2NO+2NC	-	DC24V	NC8-12/22/Z DC24V	781011
12A	4NO	-	AC24V 50/60Hz	NC8-12/4 24V 50/60Hz	183942
12A	4NO	-	AC380V 50Hz	NC8-12/4 380V 50Hz	242157
12A	4NO	-	AC220V 50Hz	NC8-12/4 220V 50Hz	242158
12A	4NO	-	AC110V 50Hz	NC8-12/4 110V 50Hz	242159
12A	4NO	-	AC24V 50Hz	NC8-12/4 24V 50Hz	242160
12A	4NO	-	AC230V 50Hz	NC8-12/4 230V 50Hz	242530
12A	4NO	-	AC110V 60Hz	NC8-12/4 110V 60Hz	252773
12A	4NO	-	AC110V 50/60Hz	NC8-12/4 110V 50/60Hz	252774
12A	4NO	-	AC220V 60Hz	NC8-12/4 220V 60Hz	252775
12A	4NO	-	AC220V 50/60Hz	NC8-12/4 220V 50/60Hz	252776
12A	4NO	-	AC230V 60Hz	NC8-12/4 230V 60Hz	252777
12A	4NO	-	AC24V 60Hz	NC8-12/4 24V 60Hz	252778
12A	4NO	-	AC380V 60Hz	NC8-12/4 380V 60Hz	252779
12A	4NO	-	AC380V 50/60Hz	NC8-12/4 380V 50/60Hz	252780
12A	4NO	-	AC230V 50/60Hz	NC8-12/4 230V 50/60Hz	781247
12A	4NO	-	DC220V	NC8-12/4/Z DC220V	665902
12A	4NO	-	DC110V	NC8-12/4/Z DC110V	665903
12A	4NO	-	DC48V	NC8-12/4/Z DC48V	665904
12A	4NO	-	DC24V	NC8-12/4/Z DC24V	665905

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
18A	3NO	1NO+1NC	AC400V 50/60Hz	NC8-18 400V 50/60Hz	216367
18A	3NO	1NO+1NC	AC380V 50Hz	NC8-18 380V 50Hz	242185
18A	3NO	1NO+1NC	AC220V 50Hz	NC8-18 220V 50Hz	242186
18A	3NO	1NO+1NC	AC110V 50Hz	NC8-18 110V 50Hz	242187
18A	3NO	1NO+1NC	AC24V 50Hz	NC8-18 24V 50Hz	242188
18A	3NO	1NO+1NC	AC230V 50Hz	NC8-18 230V 50Hz	242549
18A	3NO	1NO+1NC	AC110V 60Hz	NC8-18 110V 60Hz	252787
18A	3NO	1NO+1NC	AC230V 60Hz	NC8-18 230V 60Hz	252788
18A	3NO	1NO+1NC	AC240V 50Hz	NC8-18 240V 50Hz	252789
18A	3NO	1NO+1NC	AC240V 60Hz	NC8-18 240V 60Hz	252790
18A	3NO	1NO+1NC	AC24V 60Hz	NC8-18 24V 60Hz	252791
18A	3NO	1NO+1NC	AC380V 60Hz	NC8-18 380V 60Hz	252792
18A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-18 380V 50/60Hz	252793
18A	3NO	1NO+1NC	AC120V 50/60Hz	NC8-18 120V 50/60Hz	665107
18A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-18 220V 50/60Hz	665108
18A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-18 230V 50/60Hz	665109
18A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-18 24V 50/60Hz	665110
18A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-18 110V 50/60Hz	665130
18A	3NO	1NO+1NC	AC220V 60Hz	NC8-18 220V 60Hz	665844
18A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-18 240V 50/60Hz	781265
18A	3NO	1NO+1NC	AC400V 50Hz	NC8-18 400V 50Hz	781278
18A	3NO	1NO+1NC	AC415V 50/60Hz	NC8-18 415V 50/60Hz	781636
18A	3NO	1NO+1NC	AC380V 50Hz	NC8-18/N 380V 50Hz	242321
18A	3NO	1NO+1NC	AC220V 50Hz	NC8-18/N 220V 50Hz	242322
18A	3NO	1NO+1NC	AC110V 50Hz	NC8-18/N 110V 50Hz	242323
18A	3NO	1NO+1NC	AC24V 50Hz	NC8-18/N 24V 50Hz	242324
18A	3NO	1NO+1NC	AC230V 50Hz	NC8-18/N 230V 50Hz	242559
18A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-18/N 24V 50/60Hz	665113
18A	3NO	1NO+1NC	DC110V	NC8-18/YZ DC110V	520883
18A	3NO	1NO+1NC	DC24V	NC8-18/YZ DC24V	520885
18A	3NO	1NO+1NC	DC220V	NC8-18/Z DC220V	665826
18A	3NO	1NO+1NC	DC110V	NC8-18/Z DC110V	665827
18A	3NO	1NO+1NC	DC48V	NC8-18/Z DC48V	665828
18A	3NO	1NO+1NC	DC24V	NC8-18/Z DC24V	665829
18A	3NO	2NO+2NC	AC380V 50Hz	NC8-1822 380V 50Hz	242197
18A	3NO	2NO+2NC	AC220V 50Hz	NC8-1822 220V 50Hz	242198
18A	3NO	2NO+2NC	AC110V 50Hz	NC8-1822 110V 50Hz	242199
18A	3NO	2NO+2NC	AC24V 50Hz	NC8-1822 24V 50Hz	242200
18A	3NO	2NO+2NC	AC230V 50Hz	NC8-1822 230V 50Hz	242561
18A	3NO	2NO+2NC	AC110V 60Hz	NC8-1822 110V 60Hz	252810
18A	3NO	2NO+2NC	AC230V 60Hz	NC8-1822 230V 60Hz	252811
18A	3NO	2NO+2NC	AC240V 50/60Hz	NC8-1822 240V 50/60Hz	252812
18A	3NO	2NO+2NC	AC240V 50Hz	NC8-1822 240V 50Hz	252813
18A	3NO	2NO+2NC	AC240V 60Hz	NC8-1822 240V 60Hz	252814
18A	3NO	2NO+2NC	AC24V 60Hz	NC8-1822 24V 60Hz	252815
18A	3NO	2NO+2NC	AC24V 50/60Hz	NC8-1822 24V 50/60Hz	252816
18A	3NO	2NO+2NC	AC380V 60Hz	NC8-1822 380V 60Hz	252817
18A	3NO	2NO+2NC	AC50/60Hz	NC8-1822 380V 50/60Hz	252818
18A	3NO	2NO+2NC	AC110V 50/60Hz	NC8-1822 110V 50/60Hz	781045
18A	3NO	2NO+2NC	AC230V 50/60Hz	NC8-1822 230V 50/60Hz	781245
18A	3NO	2NO+2NC	AC400V 50Hz	NC8-1822 400V 50Hz	781280

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
18A	3NO	2NO+2NC	AC220V 50/60Hz	NC8-1822 220V 50/60Hz	781317
18A	3NO	2NO+2NC	AC220V 60Hz	NC8-1822 220V 60Hz	781562
18A	3NO	2NO+2NC	AC380V 50Hz	NC8-1822/N 380V 50Hz	242333
18A	3NO	2NO+2NC	AC220V 50Hz	NC8-1822/N 220V 50Hz	242334
18A	3NO	2NO+2NC	AC110V 50Hz	NC8-1822/N 110V 50Hz	242335
18A	3NO	2NO+2NC	AC24V 50Hz	NC8-1822/N 24V 50Hz	242336
18A	3NO	2NO+2NC	AC230V 50Hz	NC8-1822/N 230V 50Hz	242563
18A	3NO	2NO+2NC	DC110V	NC8-1822/YZ DC110V	520886
18A	3NO	2NO+2NC	DC24V	NC8-1822/YZ DC24V	520888
18A	3NO	2NO+2NC	DC220V	NC8-1822/Z DC220V	665838
18A	3NO	2NO+2NC	DC110V	NC8-1822/Z DC110V	665839
18A	3NO	2NO+2NC	DC48V	NC8-1822/Z DC48V	665840
18A	3NO	2NO+2NC	DC24V	NC8-1822/Z DC24V	665841
18A	2NO+2NC	-	AC380V 50Hz	NC8-18/22 380V 50Hz	242173
18A	2NO+2NC	-	AC220V 50Hz	NC8-18/22 220V 50Hz	242174
18A	2NO+2NC	-	AC110V 50Hz	NC8-18/22 110V 50Hz	242175
18A	2NO+2NC	-	AC24V 50Hz	NC8-18/22 24V 50Hz	242176
18A	2NO+2NC	-	AC230V 50Hz	NC8-18/22 230V 50Hz	242551
18A	2NO+2NC	-	AC110V 50/60Hz	NC8-18/22 110V 50/60Hz	252794
18A	2NO+2NC	-	AC220V 60Hz	NC8-18/22 220V 60Hz	252795
18A	2NO+2NC	-	AC230V 60Hz	NC8-18/22 230V 60Hz	252796
18A	2NO+2NC	-	AC230V 50/60Hz	NC8-18/22 230V 50/60Hz	252797
18A	2NO+2NC	-	AC24V 60Hz	NC8-18/22 24V 60Hz	252798
18A	2NO+2NC	-	AC24V 50/60Hz	NC8-18/22 24V 50/60Hz	252799
18A	2NO+2NC	-	AC380V 60Hz	NC8-18/22 380V 60Hz	252800
18A	2NO+2NC	-	AC380V 50/60Hz	NC8-18/22 380V 50/60Hz	252801
18A	2NO+2NC	-	AC220V 50/60Hz	NC8-18/22 220V 50/60Hz	781290
18A	2NO+2NC	-	DC220V	NC8-18/22/Z DC220V	781012
18A	2NO+2NC	-	DC110V	NC8-18/22/Z DC110V	781013
18A	2NO+2NC	-	DC48V	NC8-18/22/Z DC48V	781014
18A	2NO+2NC	-	DC24V	NC8-18/22/Z DC24V	781015
18A	4NO	-	AC24V 50/60Hz	NC8-18/4 24V 50/60Hz	183943
18A	4NO	-	AC380V 50Hz	NC8-18/4 380V 50Hz	242161
18A	4NO	-	AC220V 50Hz	NC8-18/4 220V 50Hz	242162
18A	4NO	-	AC110V 50Hz	NC8-18/4 110V 50Hz	242163
18A	4NO	-	AC24V 50Hz	NC8-18/4 24V 50Hz	242164
18A	4NO	-	AC230V 50Hz	NC8-18/4 230V 50Hz	242553
18A	4NO	-	AC110V 60Hz	NC8-18/4 110V 60Hz	252802
18A	4NO	-	AC110V 50/60Hz	NC8-18/4 110V 50/60Hz	252803
18A	4NO	-	AC220V 60Hz	NC8-18/4 220V 60Hz	252804
18A	4NO	-	AC220V 50/60Hz	NC8-18/4 220V 50/60Hz	252805
18A	4NO	-	AC230V 60Hz	NC8-18/4 230V 60Hz	252806
18A	4NO	-	AC24V 60Hz	NC8-18/4 24V 60Hz	252807
18A	4NO	-	AC380V 60Hz	NC8-18/4 380V 60Hz	252808
18A	4NO	-	AC50/60Hz	NC8-18/4 380V 50/60Hz	252809
18A	4NO	-	AC230V 50/60Hz	NC8-18/4 230V 50/60Hz	665111
18A	4NO	-	AC415V 50Hz	NC8-18/4 415V 50Hz	665112
18A	4NO	-	DC220V	NC8-18/4/Z DC220V	781000
18A	4NO	-	DC110V	NC8-18/4/Z DC110V	781001
18A	4NO	-	DC48V	NC8-18/4/Z DC48V	781002
18A	4NO	-	DC24V	NC8-18/4/Z DC24V	781003

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3NO	1NO+1NC	AC380V 50Hz	NC8-25 380V 50Hz	242201
25A	3NO	1NO+1NC	AC220V 50Hz	NC8-25 220V 50Hz	242202
25A	3NO	1NO+1NC	AC110V 50Hz	NC8-25 110V 50Hz	242203
25A	3NO	1NO+1NC	AC24V 50Hz	NC8-25 24V 50Hz	242204
25A	3NO	1NO+1NC	AC230V 50Hz	NC8-25 230V 50Hz	242567
25A	3NO	1NO+1NC	AC240V 50Hz	NC8-25 240V 50Hz	242863
25A	3NO	1NO+1NC	AC400V 50Hz	NC8-25 400V 50Hz	242864
25A	3NO	1NO+1NC	AC110V 60Hz	NC8-25 110V 60Hz	252819
25A	3NO	1NO+1NC	AC230V 60Hz	NC8-25 230V 60Hz	252820
25A	3NO	1NO+1NC	AC240V 60Hz	NC8-25 240V 60Hz	252821
25A	3NO	1NO+1NC	AC24V 60Hz	NC8-25 24V 60Hz	252822
25A	3NO	1NO+1NC	AC380V 60Hz	NC8-25 380V 60Hz	252823
25A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-25 380V 50/60Hz	252824
25A	3NO	1NO+1NC	AC120V 50/60Hz	NC8-25 120V 50/60Hz	665114
25A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-25 24V 50/60Hz	665115
25A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-25 110V 50/60Hz	665131
25A	3NO	1NO+1NC	AC220V 60Hz	NC8-25 220V 60Hz	665845
25A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-25 230V 50/60Hz	665854
25A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-25 240V 50/60Hz	781266
25A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-25 220V 50/60Hz	781309
25A	3NO	1NO+1NC	AC415V 50/60Hz	NC8-25 415V 50/60Hz	781637
25A	3NO	1NO+1NC	AC380V 50Hz	NC8-25/N 380V 50Hz	242337
25A	3NO	1NO+1NC	AC220V 50Hz	NC8-25/N 220V 50Hz	242338
25A	3NO	1NO+1NC	AC110V 50Hz	NC8-25/N 110V 50Hz	242339
25A	3NO	1NO+1NC	AC24V 50Hz	NC8-25/N 24V 50Hz	242340
25A	3NO	1NO+1NC	AC230V 50Hz	NC8-25/N 230V 50Hz	242577
25A	3NO	1NO+1NC	DC24V	NC8-25/Z DC24V	665714
25A	3NO	1NO+1NC	DC48V	NC8-25/Z DC48V	665715
25A	3NO	1NO+1NC	DC110V	NC8-25/Z DC110V	665716
25A	3NO	1NO+1NC	DC220V	NC8-25/Z DC220V	665717
25A	3NO	2NO+2NC	AC380V 50Hz	NC8-2522 380V 50Hz	242213
25A	3NO	2NO+2NC	AC220V 50Hz	NC8-2522 220V 50Hz	242214
25A	3NO	2NO+2NC	AC110V 50Hz	NC8-2522 110V 50Hz	242215
25A	3NO	2NO+2NC	AC24V 50Hz	NC8-2522 24V 50Hz	242216
25A	3NO	2NO+2NC	AC230V 50Hz	NC8-2522 230V 50Hz	242579
25A	3NO	2NO+2NC	AC110V 60Hz	NC8-2522 110V 60Hz	252844
25A	3NO	2NO+2NC	AC110V 50/60Hz	NC8-2522 110V 50/60Hz	252845
25A	3NO	2NO+2NC	AC230V 60Hz	NC8-2522 230V 60Hz	252846
25A	3NO	2NO+2NC	AC240V 50/60Hz	NC8-2522 240V 50/60Hz	252847
25A	3NO	2NO+2NC	AC240V 50Hz	NC8-2522 240V 50Hz	252848
25A	3NO	2NO+2NC	AC240V 60Hz	NC8-2522 240V 60Hz	252849
25A	3NO	2NO+2NC	AC24V 60Hz	NC8-2522 24V 60Hz	252850
25A	3NO	2NO+2NC	AC24V 50/60Hz	NC8-2522 24V 50/60Hz	252851
25A	3NO	2NO+2NC	AC380V 60Hz	NC8-2522 380V 60Hz	252852
25A	3NO	2NO+2NC	AC380V 50/60Hz	NC8-2522 380V 50/60Hz	252853
25A	3NO	2NO+2NC	AC230V 50/60Hz	NC8-2522 230V 50/60Hz	665816
25A	3NO	2NO+2NC	AC400V 50Hz	NC8-2522 400V 50Hz	781281
25A	3NO	2NO+2NC	AC220V 50/60Hz	NC8-2522 220V 50/60Hz	781318
25A	3NO	2NO+2NC	AC220V 60Hz	NC8-2522 220V 60Hz	781479
25A	3NO	2NO+2NC	AC380V 50Hz	NC8-2522/N 380V 50Hz	242349

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3NO	2NO+2NC	AC220V 50Hz	NC8-2522/N 220V 50Hz	242350
25A	3NO	2NO+2NC	AC110V 50Hz	NC8-2522/N 110V 50Hz	242351
25A	3NO	2NO+2NC	AC24V 50Hz	NC8-2522/N 24V 50Hz	242352
25A	3NO	2NO+2NC	AC230V 50Hz	NC8-2522/N 230V 50Hz	242581
25A	3NO	2NO+2NC	AC110V 50/60Hz	NC8-2522/N 110V 50/60Hz	781047
25A	3NO	2NO+2NC	DC24V	NC8-2522/Z DC24V	665726
25A	3NO	2NO+2NC	DC48V	NC8-2522/Z DC48V	665727
25A	3NO	2NO+2NC	DC110V	NC8-2522/Z DC110V	665728
25A	3NO	2NO+2NC	DC220V	NC8-2522/Z DC220V	665729
25A	2NO+2NC	-	AC380V 50Hz	NC8-25/22 380V 50Hz	242237
25A	2NO+2NC	-	AC220V 50Hz	NC8-25/22 220V 50Hz	242238
25A	2NO+2NC	-	AC110V 50Hz	NC8-25/22 110V 50Hz	242239
25A	2NO+2NC	-	AC24V 50Hz	NC8-25/22 24V 50Hz	242240
25A	2NO+2NC	-	AC230V 50Hz	NC8-25/22 230V 50Hz	242569
25A	2NO+2NC	-	AC110V 60Hz	NC8-25/22 110V 60Hz	252825
25A	2NO+2NC	-	AC220V 60Hz	NC8-25/22 220V 60Hz	252826
25A	2NO+2NC	-	AC230V 60Hz	NC8-25/22 230V 60Hz	252827
25A	2NO+2NC	-	AC230V 50/60Hz	NC8-25/22 230V 50/60Hz	252828
25A	2NO+2NC	-	AC24V 60Hz	NC8-25/22 24V 60Hz	252829
25A	2NO+2NC	-	AC24V 50/60Hz	NC8-25/22 24V 50/60Hz	252830
25A	2NO+2NC	-	AC380V 60Hz	NC8-25/22 380V 60Hz	252831
25A	2NO+2NC	-	AC380V 50/60Hz	NC8-25/22 380V 50/60Hz	252832
25A	2NO+2NC	-	AC110V 50/60Hz	NC8-25/22 110V 50/60Hz	781048
25A	2NO+2NC	-	AC220V 50/60Hz	NC8-25/22 220V 50/60Hz	781291
25A	2NO+2NC	-	DC220V	NC8-25/22/Z DC220V	781168
25A	2NO+2NC	-	DC110V	NC8-25/22/Z DC110V	781169
25A	2NO+2NC	-	DC48V	NC8-25/22/Z DC48V	781170
25A	2NO+2NC	-	DC24V	NC8-25/22/Z DC24V	781171
25A	4NO	-	AC24V 50/60Hz	NC8-25/4 24V 50/60Hz	183944
25A	4NO	-	AC380V 50Hz	NC8-25/4 380V 50Hz	242225
25A	4NO	-	AC220V 50Hz	NC8-25/4 220V 50Hz	242226
25A	4NO	-	AC110V 50Hz	NC8-25/4 110V 50Hz	242227
25A	4NO	-	AC24V 50Hz	NC8-25/4 24V 50Hz	242228
25A	4NO	-	AC230V 50Hz	NC8-25/4 230V 50Hz	242571
25A	4NO	-	AC110V 60Hz	NC8-25/4 110V 60Hz	252833
25A	4NO	-	AC110V 50/60Hz	NC8-25/4 110V 50/60Hz	252834
25A	4NO	-	AC220V 60Hz	NC8-25/4 220V 60Hz	252835
25A	4NO	-	AC220V 50/60Hz	NC8-25/4 220V 50/60Hz	252836
25A	4NO	-	AC230V 60Hz	NC8-25/4 230V 60Hz	252837
25A	4NO	-	AC240V 50/60Hz	NC8-25/4 240V 50/60Hz	252838
25A	4NO	-	AC240V 50Hz	NC8-25/4 240V 50Hz	252839
25A	4NO	-	AC240V 60Hz	NC8-25/4 240V 60Hz	252840
25A	4NO	-	AC24V 60Hz	NC8-25/4 24V 60Hz	252841
25A	4NO	-	AC380V 60Hz	NC8-25/4 380V 60Hz	252842
25A	4NO	-	AC380V 50/60Hz	NC8-25/4 380V 50/60Hz	252843
25A	4NO	-	AC230V 50/60Hz	NC8-25/4 230V 50/60Hz	781248
25A	4NO	-	DC220V	NC8-25/4/Z DC220V	781156
25A	4NO	-	DC110V	NC8-25/4/Z DC110V	781157
25A	4NO	-	DC48V	NC8-25/4/Z DC48V	781158
25A	4NO	-	DC24V	NC8-25/4/Z DC24V	781159

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3NO	1NO+1NC	AC380V 50Hz	NC8-32 380V 50Hz	242205
32A	3NO	1NO+1NC	AC220V 50Hz	NC8-32 220V 50Hz	242206
32A	3NO	1NO+1NC	AC110V 50Hz	NC8-32 110V 50Hz	242207
32A	3NO	1NO+1NC	AC24V 50Hz	NC8-32 24V 50Hz	242208
32A	3NO	1NO+1NC	AC230V 50Hz	NC8-32 230V 50Hz	242584
32A	3NO	1NO+1NC	AC110V 60Hz	NC8-32 110V 60Hz	252854
32A	3NO	1NO+1NC	AC230V 60Hz	NC8-32 230V 60Hz	252855
32A	3NO	1NO+1NC	AC240V 50Hz	NC8-32 240V 50Hz	252856
32A	3NO	1NO+1NC	AC240V 60Hz	NC8-32 240V 60Hz	252857
32A	3NO	1NO+1NC	AC24V 60Hz	NC8-32 24V 60Hz	252858
32A	3NO	1NO+1NC	AC380V 60Hz	NC8-32 380V 60Hz	252859
32A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-32 380V 50/60Hz	252860
32A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-32 24V 50/60Hz	665116
32A	3NO	1NO+1NC	AC400V 50Hz	NC8-32 400V 50Hz	665780
32A	3NO	1NO+1NC	AC220V 60Hz	NC8-32 220V 60Hz	665846
32A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-32 230V 50/60Hz	665856
32A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-32 110V 50/60Hz	781017
32A	3NO	1NO+1NC	AC120V 50/60Hz	NC8-32 120V 50/60Hz	781267
32A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-32 240V 50/60Hz	781268
32A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-32 220V 50/60Hz	781314
32A	3NO	1NO+1NC	AC415V 50/60Hz	NC8-32 415V 50/60Hz	781638
32A	3NO	1NO+1NC	AC380V 50Hz	NC8-32/N 380V 50Hz	242341
32A	3NO	1NO+1NC	AC220V 50Hz	NC8-32/N 220V 50Hz	242342
32A	3NO	1NO+1NC	AC110V 50Hz	NC8-32/N 110V 50Hz	242343
32A	3NO	1NO+1NC	AC24V 50Hz	NC8-32/N 24V 50Hz	242344
32A	3NO	1NO+1NC	AC230V 50Hz	NC8-32/N 230V 50Hz	242594
32A	3NO	1NO+1NC	DC24V	NC8-32/Z DC24V	665718
32A	3NO	1NO+1NC	DC48V	NC8-32/Z DC48V	665719
32A	3NO	1NO+1NC	DC110V	NC8-32/Z DC110V	665720
32A	3NO	1NO+1NC	DC220V	NC8-32/Z DC220V	665721
32A	3NO	2NO+2NC	AC110V 50/60Hz	NC8-3222 110V 50/60Hz	109519
32A	3NO	2NO+2NC	AC380V 50Hz	NC8-3222 380V 50Hz	242217
32A	3NO	2NO+2NC	AC220V 50Hz	NC8-3222 220V 50Hz	242218
32A	3NO	2NO+2NC	AC110V 50Hz	NC8-3222 110V 50Hz	242219
32A	3NO	2NO+2NC	AC24V 50Hz	NC8-3222 24V 50Hz	242220
32A	3NO	2NO+2NC	AC230V 50Hz	NC8-3222 230V 50Hz	242596
32A	3NO	2NO+2NC	AC110V 60Hz	NC8-3222 110V 60Hz	252881
32A	3NO	2NO+2NC	AC230V 60Hz	NC8-3222 230V 60Hz	252882
32A	3NO	2NO+2NC	AC240V 50/60Hz	NC8-3222 240V 50/60Hz	252883
32A	3NO	2NO+2NC	AC240V 50Hz	NC8-3222 240V 50Hz	252884
32A	3NO	2NO+2NC	AC240V 60Hz	NC8-3222 240V 60Hz	252885
32A	3NO	2NO+2NC	AC24V 60Hz	NC8-3222 24V 60Hz	252886
32A	3NO	2NO+2NC	AC24V 50/60Hz	NC8-3222 24V 50/60Hz	252887
32A	3NO	2NO+2NC	AC380V 60Hz	NC8-3222 380V 60Hz	252888
32A	3NO	2NO+2NC	AC380V 50/60Hz	NC8-3222 380V 50/60Hz	252889
32A	3NO	2NO+2NC	AC230V 50/60Hz	NC8-3222 230V 50/60Hz	781246
32A	3NO	2NO+2NC	AC400V 50Hz	NC8-3222 400V 50Hz	781282
32A	3NO	2NO+2NC	AC220V 50/60Hz	NC8-3222 220V 50/60Hz	781319
32A	3NO	2NO+2NC	AC220V 60Hz	NC8-3222 220V 60Hz	781480
32A	3NO	2NO+2NC	AC380V 50Hz	NC8-3222/N 380V 50Hz	242353

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3NO	2NO+2NC	AC220V 50Hz	NC8-3222/N 220V 50Hz	242354
32A	3NO	2NO+2NC	AC110V 50Hz	NC8-3222/N 110V 50Hz	242355
32A	3NO	2NO+2NC	AC24V 50Hz	NC8-3222/N 24V 50Hz	242356
32A	3NO	2NO+2NC	AC230V 50Hz	NC8-3222/N 230V 50Hz	242598
32A	3NO	2NO+2NC	DC 24V	NC8-3222/Z DC24V	665730
32A	3NO	2NO+2NC	DC 48V	NC8-3222/Z DC48V	665731
32A	3NO	2NO+2NC	DC 110V	NC8-3222/Z DC110V	665732
32A	3NO	2NO+2NC	DC 220V	NC8-3222/Z DC220V	665733
32A	2NO+2NC	-	AC380V 50Hz	NC8-32/22 380V 50Hz	242241
32A	2NO+2NC	-	AC220V 50Hz	NC8-32/22 220V 50Hz	242242
32A	2NO+2NC	-	AC110V 50Hz	NC8-32/22 110V 50Hz	242243
32A	2NO+2NC	-	AC24V 50Hz	NC8-32/22 24V 50Hz	242244
32A	2NO+2NC	-	AC230V 50Hz	NC8-32/22 230V 50Hz	242586
32A	2NO+2NC	-	AC110V 60Hz	NC8-32/22 110V 60Hz	252861
32A	2NO+2NC	-	AC110V 50/60Hz	NC8-32/22 110V 50/60Hz	252862
32A	2NO+2NC	-	AC220V 60Hz	NC8-32/22 220V 60Hz	252863
32A	2NO+2NC	-	AC230V 60Hz	NC8-32/22 230V 60Hz	252864
32A	2NO+2NC	-	AC230V 50/60Hz	NC8-32/22 230V 50/60Hz	252865
32A	2NO+2NC	-	AC24V 60Hz	NC8-32/22 24V 60Hz	252866
32A	2NO+2NC	-	AC24V 50/60Hz	NC8-32/22 24V 50/60Hz	252867
32A	2NO+2NC	-	AC380V 60Hz	NC8-32/22 380V 60Hz	252868
32A	2NO+2NC	-	AC380V 50/60Hz	NC8-32/22 380V 50/60Hz	252869
32A	2NO+2NC	-	AC220V 50/60Hz	NC8-32/22 220V 50/60Hz	781292
32A	2NO+2NC	-	DC220V	NC8-32/22/Z DC220V	781172
32A	2NO+2NC	-	DC110V	NC8-32/22/Z DC110V	781173
32A	2NO+2NC	-	DC48V	NC8-32/22/Z DC48V	781174
32A	2NO+2NC	-	DC24V	NC8-32/22/Z DC24V	781175
32A	4NO	-	AC24V 50/60Hz	NC8-32/4 24V 50/60Hz	183945
32A	4NO	-	AC380V 50Hz	NC8-32/4 380V 50Hz	242229
32A	4NO	-	AC220V 50Hz	NC8-32/4 220V 50Hz	242230
32A	4NO	-	AC110V 50Hz	NC8-32/4 110V 50Hz	242231
32A	4NO	-	AC24V 50Hz	NC8-32/4 24V 50Hz	242232
32A	4NO	-	AC230V 50Hz	NC8-32/4 230V 50Hz	242588
32A	4NO	-	AC110V 60Hz	NC8-32/4 110V 60Hz	252870
32A	4NO	-	AC110V 50/60Hz	NC8-32/4 110V 50/60Hz	252871
32A	4NO	-	AC220V 60Hz	NC8-32/4 220V 60Hz	252872
32A	4NO	-	AC220V 50/60Hz	NC8-32/4 220V 50/60Hz	252873
32A	4NO	-	AC230V 60Hz	NC8-32/4 230V 60Hz	252874
32A	4NO	-	AC24V 60Hz	NC8-32/4 24V 60Hz	252875
32A	4NO	-	AC240V 50/60Hz	NC8-32/4 240V 50/60Hz	252876
32A	4NO	-	AC240V 50Hz	NC8-32/4 240V 50Hz	252877
32A	4NO	-	AC240V 60Hz	NC8-32/4 240V 60Hz	252878
32A	4NO	-	AC380V 60Hz	NC8-32/4 380V 60Hz	252879
32A	4NO	-	AC380V 50/60Hz	NC8-32/4 380V 50/60Hz	252880
32A	4NO	-	AC230V 50/60Hz	NC8-32/4 230V 50/60Hz	665117
32A	4NO	-	AC415V 50Hz	NC8-32/4 415V 50Hz	665118
32A	4NO	-	DC220V	NC8-32/4/Z DC220V	781160
32A	4NO	-	DC110V	NC8-32/4/Z DC110V	781161
32A	4NO	-	DC48V	NC8-32/4/Z DC48V	781162
32A	4NO	-	DC24V	NC8-32/4/Z DC24V	781163

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
38A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-38 110V 50/60Hz	112996
38A	3NO	1NO+1NC	AC415V 50/60Hz	NC8-38 415V 50/60Hz	206369
38A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-38 220V 50/60Hz	219736
38A	3NO	1NO+1NC	AC380V 50Hz	NC8-38 380V 50Hz	242209
38A	3NO	1NO+1NC	AC220V 50Hz	NC8-38 220V 50Hz	242210
38A	3NO	1NO+1NC	AC110V 50Hz	NC8-38 110V 50Hz	242211
38A	3NO	1NO+1NC	AC24V 50Hz	NC8-38 24V 50Hz	242212
38A	3NO	1NO+1NC	AC230V 50Hz	NC8-38 230V 50Hz	242601
38A	3NO	1NO+1NC	AC240V 50Hz	NC8-38 240V 50Hz	242865
38A	3NO	1NO+1NC	AC400V 50Hz	NC8-38 400V 50Hz	242866
38A	3NO	1NO+1NC	AC110V 60Hz	NC8-38 110V 60Hz	253194
38A	3NO	1NO+1NC	AC230V 60Hz	NC8-38 230V 60Hz	253195
38A	3NO	1NO+1NC	AC240V 60Hz	NC8-38 240V 60Hz	253196
38A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-38 240V 50/60Hz	253197
38A	3NO	1NO+1NC	AC24V 60Hz	NC8-38 24V 60Hz	253198
38A	3NO	1NO+1NC	AC380V 60Hz	NC8-38 380V 60Hz	253199
38A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-38 380V 50/60Hz	253200
38A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-38 230V 50/60Hz	665119
38A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-38 24V 50/60Hz	665120
38A	3NO	1NO+1NC	AC220V 60Hz	NC8-38 220V 60Hz	665847
38A	3NO	1NO+1NC	AC380V 50Hz	NC8-38/N 380V 50Hz	242345
38A	3NO	1NO+1NC	AC220V 50Hz	NC8-38/N 220V 50Hz	242346
38A	3NO	1NO+1NC	AC110V 50Hz	NC8-38/N 110V 50Hz	242347
38A	3NO	1NO+1NC	AC24V 50Hz	NC8-38/N 24V 50Hz	242348
38A	3NO	1NO+1NC	AC230V 50Hz	NC8-38/N 230V 50Hz	242611
38A	3NO	1NO+1NC	DC24V	NC8-38/Z DC24V	665722
38A	3NO	1NO+1NC	DC48V	NC8-38/Z DC48V	665723
38A	3NO	1NO+1NC	DC110V	NC8-38/Z DC110V	665724
38A	3NO	1NO+1NC	DC220V	NC8-38/Z DC220V	665725
38A	3NO	2NO+2NC	AC380V 50Hz	NC8-3822 380V 50Hz	242221
38A	3NO	2NO+2NC	AC220V 50Hz	NC8-3822 220V 50Hz	242222
38A	3NO	2NO+2NC	AC110V 50Hz	NC8-3822 110V 50Hz	242223
38A	3NO	2NO+2NC	AC24V 50Hz	NC8-3822 24V 50Hz	242224
38A	3NO	2NO+2NC	AC230V 50Hz	NC8-3822 230V 50Hz	242613
38A	3NO	2NO+2NC	AC110V 60Hz	NC8-3822 110V 60Hz	253214
38A	3NO	2NO+2NC	AC110V 50/60Hz	NC8-3822 110V 50/60Hz	253215
38A	3NO	2NO+2NC	AC230V 60Hz	NC8-3822 230V 60Hz	253216
38A	3NO	2NO+2NC	AC230V 50/60Hz	NC8-3822 230V 50/60Hz	253217
38A	3NO	2NO+2NC	AC240V 50/60Hz	NC8-3822 240V 50/60Hz	253218
38A	3NO	2NO+2NC	AC240V 50Hz	NC8-3822 240V 50Hz	253219
38A	3NO	2NO+2NC	AC240V 60Hz	NC8-3822 240V 60Hz	253220
38A	3NO	2NO+2NC	AC24V 60Hz	NC8-3822 24V 60Hz	253221
38A	3NO	2NO+2NC	AC24V 50/60Hz	NC8-3822 24V 50/60Hz	253222
38A	3NO	2NO+2NC	AC380V 60Hz	NC8-3822 380V 60Hz	253223
38A	3NO	2NO+2NC	AC380V 50/60Hz	NC8-3822 380V 50/60Hz	253224
38A	3NO	2NO+2NC	AC400V 50Hz	NC8-3822 400V 50Hz	781283

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
38A	3NO	2NO+2NC	AC220V 50/60Hz	NC8-3822 220V 50/60Hz	781320
38A	3NO	2NO+2NC	AC220V 60Hz	NC8-3822 220V 60Hz	781481
38A	3NO	2NO+2NC	AC380V 50Hz	NC8-3822/N 380V 50Hz	242357
38A	3NO	2NO+2NC	AC220V 50Hz	NC8-3822/N 220V 50Hz	242358
38A	3NO	2NO+2NC	AC110V 50Hz	NC8-3822/N 110V 50Hz	242359
38A	3NO	2NO+2NC	AC24V 50Hz	NC8-3822/N 24V 50Hz	242360
38A	3NO	2NO+2NC	AC230V 50Hz	NC8-3822/N 230V 50Hz	242615
38A	3NO	2NO+2NC	DC24V	NC8-3822/Z DC24V	665734
38A	3NO	2NO+2NC	DC48V	NC8-3822/Z DC48V	665735
38A	3NO	2NO+2NC	DC110V	NC8-3822/Z DC110V	665736
38A	3NO	2NO+2NC	DC220V	NC8-3822/Z DC220V	665737
38A	2NO+2NC	-	AC380V 50Hz	NC8-38/22 380V 50Hz	242245
38A	2NO+2NC	-	AC220V 50Hz	NC8-38/22 220V 50Hz	242246
38A	2NO+2NC	-	AC110V 50Hz	NC8-38/22 110V 50Hz	242247
38A	2NO+2NC	-	AC24V 50Hz	NC8-38/22 24V 50Hz	242248
38A	2NO+2NC	-	AC230V 50Hz	NC8-38/22 230V 50Hz	242603
38A	2NO+2NC	-	AC220V 50/60Hz	NC8-38/22 220V 50/60Hz	781293
38A	2NO+2NC	-	DC220V	NC8-38/22/Z DC220V	781176
38A	2NO+2NC	-	DC110V	NC8-38/22/Z DC110V	781177
38A	2NO+2NC	-	DC48V	NC8-38/22/Z DC48V	781178
38A	2NO+2NC	-	DC24V	NC8-38/22/Z DC24V	781179
38A	4NO	-	AC380V 50Hz	NC8-38/4 380V 50Hz	242233
38A	4NO	-	AC220V 50Hz	NC8-38/4 220V 50Hz	242234
38A	4NO	-	AC110V 50Hz	NC8-38/4 110V 50Hz	242235
38A	4NO	-	AC24V 50Hz	NC8-38/4 24V 50Hz	242236
38A	4NO	-	AC230V 50Hz	NC8-38/4 230V 50Hz	242605
38A	4NO	-	AC110V 60Hz	NC8-38/4 110V 60Hz	253201
38A	4NO	-	AC110V 50/60Hz	NC8-38/4 110V 50/60Hz	253202
38A	4NO	-	AC220V 60Hz	NC8-38/4 220V 60Hz	253203
38A	4NO	-	AC220V 50/60Hz	NC8-38/4 220V 50/60Hz	253204
38A	4NO	-	AC230V 60Hz	NC8-38/4 230V 60Hz	253205
38A	4NO	-	AC230V 50/60Hz	NC8-38/4 230V 50/60Hz	253206
38A	4NO	-	AC240V 50Hz	NC8-38/4 240V 50Hz	253207
38A	4NO	-	AC240V 60Hz	NC8-38/4 240V 60Hz	253208
38A	4NO	-	AC240V 50/60Hz	NC8-38/4 240V 50/60Hz	253209
38A	4NO	-	AC24V 60Hz	NC8-38/4 24V 60Hz	253210
38A	4NO	-	AC50/60Hz	NC8-38/4 24V 50/60Hz	253211
38A	4NO	-	AC380V 60Hz	NC8-38/4 380V 60Hz	253212
38A	4NO	-	AC380V 50/60Hz	NC8-38/4 380V 50/60Hz	253213
38A	4NO	-	DC220V	NC8-38/4/Z DC220V	781164
38A	4NO	-	DC110V	NC8-38/4/Z DC110V	781165
38A	4NO	-	DC48V	NC8-38/4/Z DC48V	781166
38A	4NO	-	DC24V	NC8-38/4/Z DC24V	781167

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	3NO	1NO+1NC	AC50/60Hz	NC8-40 24V 50/60Hz	183946
40A	3NO	1NO+1NC	AC380V 50Hz	NC8-40 380V 50Hz	242249
40A	3NO	1NO+1NC	AC220V 50Hz	NC8-40 220V 50Hz	242250
40A	3NO	1NO+1NC	AC110V 50Hz	NC8-40 110V 50Hz	242251
40A	3NO	1NO+1NC	AC24V 50Hz	NC8-40 24V 50Hz	242252
40A	3NO	1NO+1NC	AC415V 50Hz	NC8-40 415V 50Hz	242426
40A	3NO	1NO+1NC	AC230V 50Hz	NC8-40 230V 50Hz	242617
40A	3NO	1NO+1NC	AC110V 60Hz	NC8-40 110V 60Hz	253225
40A	3NO	1NO+1NC	AC230V 60Hz	NC8-40 230V 60Hz	253226
40A	3NO	1NO+1NC	AC240V 60Hz	NC8-40 240V 60Hz	253227
40A	3NO	1NO+1NC	AC240V 50Hz	NC8-40 240V 50Hz	253228
40A	3NO	1NO+1NC	AC24V 60Hz	NC8-40 24V 60Hz	253229
40A	3NO	1NO+1NC	AC380V 60Hz	NC8-40 380V 60Hz	253230
40A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-40 380V 50/60Hz	253231
40A	3NO	1NO+1NC	AC120V 50Hz	NC8-40 120V 50Hz	665121
40A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-40 230V 50/60Hz	665652
40A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-40 240V 50/60Hz	781269
40A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-40 220V 50/60Hz	781294
40A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-40 110V 50/60Hz	781310
40A	3NO	1NO+1NC	AC220V 60Hz	NC8-40 220V 60Hz	781482
40A	3NO	1NO+1NC	AC120V 50/60Hz	NC8-40 120V 50/60Hz	781641
40A	3NO	1NO+1NC	AC380V 50Hz	NC8-40/N 380V 50Hz	242385
40A	3NO	1NO+1NC	AC220V 50Hz	NC8-40/N 220V 50Hz	242386
40A	3NO	1NO+1NC	AC110V 50Hz	NC8-40/N 110V 50Hz	242387
40A	3NO	1NO+1NC	AC24V 50Hz	NC8-40/N 24V 50Hz	242388
40A	3NO	1NO+1NC	AC230V 50Hz	NC8-40/N 230V 50Hz	242623
40A	3NO	1NO+1NC	AC/DC 24V-60V	NC8-40/W AC/DC 24V-60V	506487
40A	3NO	1NO+1NC	AC/DC 48-130V	NC8-40/W AC/DC 48-130V	506488
40A	3NO	1NO+1NC	AC/DC 100-250V	NC8-40/W AC/DC 100-250V	506489
40A	3NO	1NO+1NC	DC220V	NC8-40/Z DC220V	781132
40A	3NO	1NO+1NC	DC110V	NC8-40/Z DC110V	781133
40A	3NO	1NO+1NC	DC48V	NC8-40/Z DC48V	781134
40A	3NO	1NO+1NC	DC24V	NC8-40/Z DC24V	781135
40A	2NO+2NC	-	AC24V 50Hz	NC8-40/22 24V 50Hz	506532
40A	2NO+2NC	-	AC36V 50Hz	NC8-40/22 36V 50Hz	506533
40A	2NO+2NC	-	AC42V 50Hz	NC8-40/22 42V 50Hz	506534
40A	2NO+2NC	-	AC110V 50Hz	NC8-40/22 110V 50Hz	506536
40A	2NO+2NC	-	AC120V 50Hz	NC8-40/22 120V 50Hz	506537
40A	2NO+2NC	-	AC127V 50Hz	NC8-40/22 127V 50Hz	506538
40A	2NO+2NC	-	AC220V 50Hz	NC8-40/22 220V 50Hz	506539
40A	2NO+2NC	-	AC230V 50Hz	NC8-40/22 230V 50Hz	506540
40A	2NO+2NC	-	AC240V 50Hz	NC8-40/22 240V 50Hz	506541
40A	2NO+2NC	-	AC277V 50Hz	NC8-40/22 277V 50Hz	506542
40A	2NO+2NC	-	AC380V 50Hz	NC8-40/22 380V 50Hz	506543
40A	2NO+2NC	-	AC400V 50Hz	NC8-40/22 400V 50Hz	506544
40A	2NO+2NC	-	AC415V 50Hz	NC8-40/22 415V 50Hz	506545
40A	2NO+2NC	-	AC440V 50Hz	NC8-40/22 440V 50Hz	506546
40A	2NO+2NC	-	AC460V 50Hz	NC8-40/22 460V 50Hz	506547
40A	2NO+2NC	-	AC480V 50Hz	NC8-40/22 480V 50Hz	506548
40A	2NO+2NC	-	AC600V 50Hz	NC8-40/22 600V 50Hz	506549

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	2NO+2NC	-	AC660V 50Hz	NC8-40/22 660V 50Hz	506550
40A	2NO+2NC	-	AC24V 50/60Hz	NC8-40/22 24V 50/60Hz	506627
40A	2NO+2NC	-	AC36V 50/60Hz	NC8-40/22 36V 50/60Hz	506628
40A	2NO+2NC	-	AC42V 50/60Hz	NC8-40/22 42V 50/60Hz	506629
40A	2NO+2NC	-	AC110V 50/60Hz	NC8-40/22 110V 50/60Hz	506631
40A	2NO+2NC	-	AC120V 50/60Hz	NC8-40/22 120V 50/60Hz	506632
40A	2NO+2NC	-	A127V 50/60Hz	NC8-40/22 127V 50/60Hz	506633
40A	2NO+2NC	-	AC220V 50/60Hz	NC8-40/22 220V 50/60Hz	506634
40A	2NO+2NC	-	AC230V 50/60Hz	NC8-40/22 230V 50/60Hz	506635
40A	2NO+2NC	-	AC240V 50/60Hz	NC8-40/22 240V 50/60Hz	506636
40A	2NO+2NC	-	AC277V 50/60Hz	NC8-40/22 277V 50/60Hz	506637
40A	2NO+2NC	-	AC380V 50/60Hz	NC8-40/22 380V 50/60Hz	506638
40A	2NO+2NC	-	AC400V 50/60Hz	NC8-40/22 400V 50/60Hz	506639
40A	2NO+2NC	-	AC415V 50/60Hz	NC8-40/22 415V 50/60Hz	506640
40A	2NO+2NC	-	AC440V 50/60Hz	NC8-40/22 440V 50/60Hz	506641
40A	2NO+2NC	-	AC/DC 24V-60V 4P	NC8-40/22/W AC/DC 24V-60V 4P	506493
40A	2NO+2NC	-	AC/DC 48-130V 4P	NC8-40/22/W AC/DC 48-130V 4P	506494
40A	2NO+2NC	-	AC/DC 100-250V 4P	NC8-40/22/W AC/DC 100-250V 4P	506495
40A	4NO	-	AC24V 50/60Hz	NC8-40/4 24V 50/60Hz	183947
40A	4NO	-	AC380V 50Hz	NC8-40/4 380V 50Hz	242261
40A	4NO	-	AC220V 50Hz	NC8-40/4 220V 50Hz	242262
40A	4NO	-	AC110V 50Hz	NC8-40/4 110V 50Hz	242263
40A	4NO	-	AC24V 50Hz	NC8-40/4 24V 50Hz	242264
40A	4NO	-	AC240V 50Hz	NC8-40/4 240V 50Hz	242430
40A	4NO	-	AC230V 50Hz	NC8-40/4 230V 50Hz	242619
40A	4NO	-	AC110V 60Hz	NC8-40/4 110V 60Hz	253232
40A	4NO	-	AC110V 50/60Hz	NC8-40/4 110V 50/60Hz	253233
40A	4NO	-	AC220V 60Hz	NC8-40/4 220V 60Hz	253234
40A	4NO	-	AC220V 50/60Hz	NC8-40/4 220V 50/60Hz	253235
40A	4NO	-	AC230V 60Hz	NC8-40/4 230V 60Hz	253236
40A	4NO	-	AC240V 60Hz	NC8-40/4 240V 60Hz	253237
40A	4NO	-	AC240V 50/60Hz	NC8-40/4 240V 50/60Hz	253238
40A	4NO	-	AC24V 60Hz	NC8-40/4 24V 60Hz	253239
40A	4NO	-	AC380V 60Hz	NC8-40/4 380V 60Hz	253240
40A	4NO	-	AC380V 50/60Hz	NC8-40/4 380V 50/60Hz	253241
40A	4NO	-	AC230V 50/60Hz	NC8-40/4 230V 50/60Hz	781249
40A	4NO	-	AC380V 50Hz	NC8-40/4/N 380V 50Hz	242397
40A	4NO	-	AC220V 50Hz	NC8-40/4/N 220V 50Hz	242398
40A	4NO	-	AC110V 50Hz	NC8-40/4/N 110V 50Hz	242399
40A	4NO	-	AC24V 50Hz	NC8-40/4/N 24V 50Hz	242400
40A	4NO	-	AC230V 50Hz	NC8-40/4/N 230V 50Hz	242621
40A	4NO	-	AC/DC 24V-60V 4P	NC8-40/4/W AC/DC 24V-60V 4P	506490
40A	4NO	-	AC/DC 48-130V 4P	NC8-40/4/W AC/DC 48-130V 4P	506491
40A	4NO	-	AC/DC 100-250V 4P	NC8-40/4/W AC/DC 100-250V 4P	506492
40A	4NO	-	DC220V	NC8-40/4/Z DC220V	781144
40A	4NO	-	DC110V	NC8-40/4/Z DC110V	781145
40A	4NO	-	DC48V	NC8-40/4/Z DC48V	781146
40A	4NO	-	DC24V	NC8-40/4/Z DC24V	781147

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
50A	3NO	1NO+1NC	AC380V 50Hz	NC8-50 380V 50Hz	242253
50A	3NO	1NO+1NC	AC220V 50Hz	NC8-50 220V 50Hz	242254
50A	3NO	1NO+1NC	AC110V 50Hz	NC8-50 110V 50Hz	242255
50A	3NO	1NO+1NC	AC24V 50Hz	NC8-50 24V 50Hz	242256
50A	3NO	1NO+1NC	AC415V 50Hz	NC8-50 415V 50Hz	242427
50A	3NO	1NO+1NC	AC230V 50Hz	NC8-50 230V 50Hz	242626
50A	3NO	1NO+1NC	AC110V 60Hz	NC8-50 110V 60Hz	253242
50A	3NO	1NO+1NC	AC230V 60Hz	NC8-50 230V 60Hz	253243
50A	3NO	1NO+1NC	AC240V 50Hz	NC8-50 240V 50Hz	253244
50A	3NO	1NO+1NC	AC240V 60Hz	NC8-50 240V 60Hz	253245
50A	3NO	1NO+1NC	AC24V 60Hz	NC8-50 24V 60Hz	253246
50A	3NO	1NO+1NC	AC380V 60Hz	NC8-50 380V 60Hz	253247
50A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-50 380V 50/60Hz	253248
50A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-50 24V 50/60Hz	665122
50A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-50 230V 50/60Hz	665782
50A	3NO	1NO+1NC	AC220V 60Hz	NC8-50 220V 60Hz	665848
50A	3NO	1NO+1NC	AC50/60Hz	NC8-50 120V 50/60Hz	781264
50A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-50 240V 50/60Hz	781270
50A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-50 110V 50/60Hz	781311
50A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-50 220V 50/60Hz	781315
50A	3NO	1NO+1NC	AC380V 50Hz	NC8-50/N 380V 50Hz	242389
50A	3NO	1NO+1NC	AC220V 50Hz	NC8-50/N 220V 50Hz	242390
50A	3NO	1NO+1NC	AC110V 50Hz	NC8-50/N 110V 50Hz	242391
50A	3NO	1NO+1NC	AC24V 50Hz	NC8-50/N 24V 50Hz	242392
50A	3NO	1NO+1NC	AC230V 50Hz	NC8-50/N 230V 50Hz	242632
50A	3NO	1NO+1NC	AC/DC 24V-60V	NC8-50/W AC/DC 24V-60V	506496
50A	3NO	1NO+1NC	AC/DC 48-130V	NC8-50/W AC/DC 48-130V	506497
50A	3NO	1NO+1NC	AC/DC 100-250V	NC8-50/W AC/DC 100-250V	506498
50A	3NO	1NO+1NC	DC220V	NC8-50/Z DC220V	781136
50A	3NO	1NO+1NC	DC110V	NC8-50/Z DC110V	781137
50A	3NO	1NO+1NC	DC48V	NC8-50/Z DC48V	781138
50A	3NO	1NO+1NC	DC24V	NC8-50/Z DC24V	781139
50A	2NO+2NC	-	AC24V 50Hz	NC8-50/22 24V 50Hz	506551
50A	2NO+2NC	-	AC36V 50Hz	NC8-50/22 36V 50Hz	506552
50A	2NO+2NC	-	AC42V 50Hz	NC8-50/22 42V 50Hz	506553
50A	2NO+2NC	-	AC110V 50Hz	NC8-50/22 110V 50Hz	506555
50A	2NO+2NC	-	AC120V 50Hz	NC8-50/22 120V 50Hz	506556
50A	2NO+2NC	-	AC127V 50Hz	NC8-50/22 127V 50Hz	506557
50A	2NO+2NC	-	AC220V 50Hz	NC8-50/22 220V 50Hz	506558
50A	2NO+2NC	-	AC230V 50Hz	NC8-50/22 230V 50Hz	506559
50A	2NO+2NC	-	AC240V 50Hz	NC8-50/22 240V 50Hz	506560
50A	2NO+2NC	-	AC380V 50Hz	NC8-50/22 380V 50Hz	506562
50A	2NO+2NC	-	AC400V 50Hz	NC8-50/22 400V 50Hz	506563
50A	2NO+2NC	-	AC415V 50Hz	NC8-50/22 415V 50Hz	506564
50A	2NO+2NC	-	AC440V 50Hz	NC8-50/22 440V 50Hz	506565
50A	2NO+2NC	-	AC24V 50/60Hz	NC8-50/22 24V 50/60Hz	506646

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
50A	2NO+2NC	-	AC36V 50/60Hz	NC8-50/22 36V 50/60Hz	506647
50A	2NO+2NC	-	AC42V 50/60Hz	NC8-50/22 42V 50/60Hz	506648
50A	2NO+2NC	-	AC110V 50/60Hz	NC8-50/22 110V 50/60Hz	506650
50A	2NO+2NC	-	AC120V 50/60Hz	NC8-50/22 120V 50/60Hz	506651
50A	2NO+2NC	-	AC220V 50/60Hz	NC8-50/22 220V 50/60Hz	506653
50A	2NO+2NC	-	AC230V 50/60Hz	NC8-50/22 230V 50/60Hz	506654
50A	2NO+2NC	-	AC240V 50/60Hz	NC8-50/22 240V 50/60Hz	506655
50A	2NO+2NC	-	AC50/60Hz	NC8-50/22 380V 50/60Hz	506657
50A	2NO+2NC	-	AC400V 50/60Hz	NC8-50/22 400V 50/60Hz	506658
50A	2NO+2NC	-	AC415V 50/60Hz	NC8-50/22 415V 50/60Hz	506659
50A	2NO+2NC	-	AC440V 50/60Hz	NC8-50/22 440V 50/60Hz	506660
50A	2NO+2NC	-	AC/DC 100-250V 4P	NC8-50/22/W AC/DC 100-250V 4P	506504
50A	2NO+2NC	-	AC/DC 24V-60V 4P	NC8-50/22/W AC/DC 24V-60V 4P	506502
50A	2NO+2NC	-	AC/DC 48-130V 4P	NC8-50/22/W AC/DC 48-130V 4P	506503
50A	4NO	-	AC24V 50/60Hz	NC8-50/4 24V 50/60Hz	183948
50A	4NO	-	AC380V 50Hz	NC8-50/4 380V 50Hz	242265
50A	4NO	-	AC220V 50Hz	NC8-50/4 220V 50Hz	242266
50A	4NO	-	AC110V 50Hz	NC8-50/4 110V 50Hz	242267
50A	4NO	-	AC24V 50Hz	NC8-50/4 24V 50Hz	242268
50A	4NO	-	AC240V 50Hz	NC8-50/4 240V 50Hz	242431
50A	4NO	-	AC230V 50Hz	NC8-50/4 230V 50Hz	242628
50A	4NO	-	AC110V 60Hz	NC8-50/4 110V 60Hz	253249
50A	4NO	-	AC110V 50/60Hz	NC8-50/4 110V 50/60Hz	253250
50A	4NO	-	AC220V 60Hz	NC8-50/4 220V 60Hz	253251
50A	4NO	-	AC220V 50/60Hz	NC8-50/4 220V 50/60Hz	253252
50A	4NO	-	AC230V 60Hz	NC8-50/4 230V 60Hz	253253
50A	4NO	-	AC240V 60Hz	NC8-50/4 240V 60Hz	253254
50A	4NO	-	AC240V 50/60Hz	NC8-50/4 240V 50/60Hz	253255
50A	4NO	-	AC24V 60Hz	NC8-50/4 24V 60Hz	253256
50A	4NO	-	AC380V 60Hz	NC8-50/4 380V 60Hz	253257
50A	4NO	-	AC380V 50/60Hz	NC8-50/4 380V 50/60Hz	253258
50A	4NO	-	AC230V 50/60Hz	NC8-50/4 230V 50/60Hz	781250
50A	4NO	-	AC380V 50Hz	NC8-50/4/N 380V 50Hz	242401
50A	4NO	-	AC220V 50Hz	NC8-50/4/N 220V 50Hz	242402
50A	4NO	-	AC110V 50Hz	NC8-50/4/N 110V 50Hz	242403
50A	4NO	-	AC24V 50Hz	NC8-50/4/N 24V 50Hz	242404
50A	4NO	-	AC230V 50Hz	NC8-50/4/N 230V 50Hz	242630
50A	4NO	-	AC/DC 24V-60V 4P	NC8-50/4/W AC/DC 24V-60V 4P	506499
50A	4NO	-	AC/DC 48-130V 4P	NC8-50/4/W AC/DC 48-130V 4P	506500
50A	4NO	-	AC/DC 100-250V 4P	NC8-50/4/W AC/DC 100-250V 4P	506501
50A	4NO	-	DC220V	NC8-50/4/Z DC220V	781148
50A	4NO	-	DC110V	NC8-50/4/Z DC110V	781149
50A	4NO	-	DC48V	NC8-50/4/Z DC48V	781150
50A	4NO	-	DC24V	NC8-50/4/Z DC24V	781151

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
65A	3NO	1NO+1NC	AC380V 50Hz	NC8-65 380V 50Hz	242257
65A	3NO	1NO+1NC	AC220V 50Hz	NC8-65 220V 50Hz	242258
65A	3NO	1NO+1NC	AC110V 50Hz	NC8-65 110V 50Hz	242259
65A	3NO	1NO+1NC	AC24V 50Hz	NC8-65 24V 50Hz	242260
65A	3NO	1NO+1NC	AC415V 50Hz	NC8-65 415V 50Hz	242428
65A	3NO	1NO+1NC	AC230V 50Hz	NC8-65 230V 50Hz	242635
65A	3NO	1NO+1NC	AC110V 60Hz	NC8-65 110V 60Hz	253259
65A	3NO	1NO+1NC	AC230V 60Hz	NC8-65 230V 60Hz	253260
65A	3NO	1NO+1NC	AC240V 50Hz	NC8-65 240V 50Hz	253261
65A	3NO	1NO+1NC	AC240V 60Hz	NC8-65 240V 60Hz	253262
65A	3NO	1NO+1NC	AC24V 60Hz	NC8-65 24V 60Hz	253263
65A	3NO	1NO+1NC	AC380V 60Hz	NC8-65 380V 60Hz	253264
65A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-65 380V 50/60Hz	253265
65A	3NO	1NO+1NC	AC120V 50Hz	NC8-65 120V 50Hz	665123
65A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-65 230V 50/60Hz	665124
65A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-65 24V 50/60Hz	665125
65A	3NO	1NO+1NC	AC220V 60Hz	NC8-65 220V 60Hz	665849
65A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-65 240V 50/60Hz	781271
65A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-65 110V 50/60Hz	781285
65A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-65 220V 50/60Hz	781295
65A	3NO	1NO+1NC	AC380V 50Hz	NC8-65/N 380V 50Hz	242393
65A	3NO	1NO+1NC	AC220V 50Hz	NC8-65/N 220V 50Hz	242394
65A	3NO	1NO+1NC	AC110V 50Hz	NC8-65/N 110V 50Hz	242395
65A	3NO	1NO+1NC	AC24V 50Hz	NC8-65/N 24V 50Hz	242396
65A	3NO	1NO+1NC	AC230V 50Hz	NC8-65/N 230V 50Hz	242641
65A	3NO	1NO+1NC	AC/DC 24V-60V	NC8-65/W AC/DC 24V-60V	506505
65A	3NO	1NO+1NC	AC/DC 48-130V	NC8-65/W AC/DC 48-130V	506506
65A	3NO	1NO+1NC	AC/DC 100-250V	NC8-65/W AC/DC 100-250V	506507
65A	3NO	1NO+1NC	DC220V	NC8-65/Z DC220V	781140
65A	3NO	1NO+1NC	DC110V	NC8-65/Z DC110V	781141
65A	3NO	1NO+1NC	DC48V	NC8-65/Z DC48V	781142
65A	3NO	1NO+1NC	DC24V	NC8-65/Z DC24V	781143
65A	2NO+2NC	-	AC24V 50Hz	NC8-65/22 24V 50Hz	506570
65A	2NO+2NC	-	AC110V 50Hz	NC8-65/22 110V 50Hz	506574
65A	2NO+2NC	-	AC120V 50Hz	NC8-65/22 120V 50Hz	506575
65A	2NO+2NC	-	AC220V 50Hz	NC8-65/22 220V 50Hz	506577
65A	2NO+2NC	-	AC230V 50Hz	NC8-65/22 230V 50Hz	506578
65A	2NO+2NC	-	AC240V 50Hz	NC8-65/22 240V 50Hz	506579
65A	2NO+2NC	-	AC380V 50Hz	NC8-65/22 380V 50Hz	506581
65A	2NO+2NC	-	AC400V 50Hz	NC8-65/22 400V 50Hz	506582
65A	2NO+2NC	-	AC415V 50Hz	NC8-65/22 415V 50Hz	506583
65A	2NO+2NC	-	AC440V 50Hz	NC8-65/22 440V 50Hz	506584
65A	2NO+2NC	-	AC24V 50/60Hz	NC8-65/22 24V 50/60Hz	506665

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
65A	2NO+2NC	-	AC110V 50/60Hz	NC8-65/22 110V 50/60Hz	506669
65A	2NO+2NC	-	AC120V 50/60Hz	NC8-65/22 120V 50/60Hz	506670
65A	2NO+2NC	-	AC220V 50/60Hz	NC8-65/22 220V 50/60Hz	506672
65A	2NO+2NC	-	AC230V 50/60Hz	NC8-65/22 230V 50/60Hz	506673
65A	2NO+2NC	-	AC240V 50/60Hz	NC8-65/22 240V 50/60Hz	506674
65A	2NO+2NC	-	AC380V 50/60Hz	NC8-65/22 380V 50/60Hz	506676
65A	2NO+2NC	-	AC400V 50/60Hz	NC8-65/22 400V 50/60Hz	506677
65A	2NO+2NC	-	AC415V 50/60Hz	NC8-65/22 415V 50/60Hz	506678
65A	2NO+2NC	-	AC440V 50/60Hz	NC8-65/22 440V 50/60Hz	506679
65A	2NO+2NC	-	AC/DC 24V-60V 4P	NC8-65/22/W AC/DC 24V-60V 4P	506511
65A	2NO+2NC	-	AC/DC 48-130V 4P	NC8-65/22/W AC/DC 48-130V 4P	506512
65A	2NO+2NC	-	AC/DC 100-250V 4P	NC8-65/22/W AC/DC 100-250V 4P	506513
65A	4NO	-	AC24V 50/60Hz	NC8-65/4 24V 50/60Hz	183949
65A	4NO	-	AC380V 50Hz	NC8-65/4 380V 50Hz	242269
65A	4NO	-	AC220V 50Hz	NC8-65/4 220V 50Hz	242270
65A	4NO	-	AC110V 50Hz	NC8-65/4 110V 50Hz	242271
65A	4NO	-	AC24V 50Hz	NC8-65/4 24V 50Hz	242272
65A	4NO	-	AC240V 50Hz	NC8-65/4 240V 50Hz	242432
65A	4NO	-	AC230V 50Hz	NC8-65/4 230V 50Hz	242637
65A	4NO	-	AC110V 60Hz	NC8-65/4 110V 60Hz	253266
65A	4NO	-	AC110V 50/60Hz	NC8-65/4 110V 50/60Hz	253267
65A	4NO	-	AC220V 60Hz	NC8-65/4 220V 60Hz	253268
65A	4NO	-	AC220V 50/60Hz	NC8-65/4 220V 50/60Hz	253269
65A	4NO	-	AC230V 60Hz	NC8-65/4 230V 60Hz	253270
65A	4NO	-	AC240V 60Hz	NC8-65/4 240V 60Hz	253271
65A	4NO	-	AC240V 50/60Hz	NC8-65/4 240V 50/60Hz	253272
65A	4NO	-	AC24V 60Hz	NC8-65/4 24V 60Hz	253273
65A	4NO	-	AC380V 60Hz	NC8-65/4 380V 60Hz	253274
65A	4NO	-	AC380V 50/60Hz	NC8-65/4 380V 50/60Hz	253275
65A	4NO	-	AC415V 50Hz	NC8-65/4 415V 50Hz	665126
65A	4NO	-	AC230V 50/60Hz	NC8-65/4 230V 50/60Hz	781251
65A	4NO	-	AC380V 50Hz	NC8-65/4/N 380V 50Hz	242405
65A	4NO	-	AC220V 50Hz	NC8-65/4/N 220V 50Hz	242406
65A	4NO	-	AC110V 50Hz	NC8-65/4/N 110V 50Hz	242407
65A	4NO	-	AC24V 50Hz	NC8-65/4/N 24V 50Hz	242408
65A	4NO	-	AC230V 50Hz	NC8-65/4/N 230V 50Hz	242639
65A	4NO	-	AC/DC 24V-60V 4P	NC8-65/4/W AC/DC 24V-60V 4P	506508
65A	4NO	-	AC/DC 48-130V 4P	NC8-65/4/W AC/DC 48-130V 4P	506509
65A	4NO	-	AC/DC 100-250V 4P	NC8-65/4/W AC/DC 100-250V 4P	506510
65A	4NO	-	DC220V	NC8-65/4/Z DC220V	781152
65A	4NO	-	DC110V	NC8-65/4/Z DC110V	781153
65A	4NO	-	DC48V	NC8-65/4/Z DC48V	781154
65A	4NO	-	DC24V	NC8-65/4/Z DC24V	781155

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
80A	3NO	1NO+1NC	AC380V 50Hz	NC8-80 380V 50Hz	242273
80A	3NO	1NO+1NC	AC220V 50Hz	NC8-80 220V 50Hz	242274
80A	3NO	1NO+1NC	AC110V 50Hz	NC8-80 110V 50Hz	242275
80A	3NO	1NO+1NC	AC24V 50Hz	NC8-80 24V 50Hz	242276
80A	3NO	1NO+1NC	AC415V 50Hz	NC8-80 415V 50Hz	242429
80A	3NO	1NO+1NC	AC230V 50Hz	NC8-80 230V 50Hz	242644
80A	3NO	1NO+1NC	AC110V 60Hz	NC8-80 110V 60Hz	253276
80A	3NO	1NO+1NC	AC230V 60Hz	NC8-80 230V 60Hz	253277
80A	3NO	1NO+1NC	AC240V 50Hz	NC8-80 240V 50Hz	253278
80A	3NO	1NO+1NC	AC240V 60Hz	NC8-80 240V 60Hz	253279
80A	3NO	1NO+1NC	AC24V 60Hz	NC8-80 24V 60Hz	253280
80A	3NO	1NO+1NC	AC380V 60Hz	NC8-80 380V 60Hz	253281
80A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-80 380V 50/60Hz	253282
80A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-80 24V 50/60Hz	665127
80A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-80 230V 50/60Hz	665859
80A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-80 240V 50/60Hz	781274
80A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-80 220V 50/60Hz	781296
80A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-80 110V 50/60Hz	781312
80A	3NO	1NO+1NC	AC220V 60Hz	NC8-80 220V 60Hz	781483
80A	3NO	1NO+1NC	AC380V 50Hz	NC8-80/N 380V 50Hz	242409
80A	3NO	1NO+1NC	AC220V 50Hz	NC8-80/N 220V 50Hz	242410
80A	3NO	1NO+1NC	AC110V 50Hz	NC8-80/N 110V 50Hz	242411
80A	3NO	1NO+1NC	AC24V 50Hz	NC8-80/N 24V 50Hz	242412
80A	3NO	1NO+1NC	AC230V 50Hz	NC8-80/N 230V 50Hz	242650
80A	3NO	1NO+1NC	AC/DC 24V-60V	NC8-80/W AC/DC 24V-60V	506514
80A	3NO	1NO+1NC	AC/DC 48-130V	NC8-80/W AC/DC 48-130V	506515
80A	3NO	1NO+1NC	AC/DC 100-250V	NC8-80/W AC/DC 100-250V	506516
80A	3NO	1NO+1NC	DC220V	NC8-80/Z DC220V	781116
80A	3NO	1NO+1NC	DC110V	NC8-80/Z DC110V	781117
80A	3NO	1NO+1NC	DC48V	NC8-80/Z DC48V	781118
80A	3NO	1NO+1NC	DC24V	NC8-80/Z DC24V	781119
80A	2NO+2NC	-	AC24V 50Hz	NC8-80/22 24V 50Hz	506589
80A	2NO+2NC	-	AC110V 50Hz	NC8-80/22 110V 50Hz	506593
80A	2NO+2NC	-	AC120V 50Hz	NC8-80/22 120V 50Hz	506594
80A	2NO+2NC	-	AC220V 50Hz	NC8-80/22 220V 50Hz	506596
80A	2NO+2NC	-	AC230V 50Hz	NC8-80/22 230V 50Hz	506597
80A	2NO+2NC	-	AC240V 50Hz	NC8-80/22 240V 50Hz	506598
80A	2NO+2NC	-	AC380V 50Hz	NC8-80/22 380V 50Hz	506600
80A	2NO+2NC	-	AC400V 50Hz	NC8-80/22 400V 50Hz	506601
80A	2NO+2NC	-	AC415V 50Hz	NC8-80/22 415V 50Hz	506602
80A	2NO+2NC	-	AC440V 50Hz	NC8-80/22 440V 50Hz	506603
80A	2NO+2NC	-	AC24V 50/60Hz	NC8-80/22 24V 50/60Hz	506684
80A	2NO+2NC	-	AC110V 50/60Hz	NC8-80/22 110V 50/60Hz	506688
80A	2NO+2NC	-	AC120V 50/60Hz	NC8-80/22 120V 50/60Hz	506689

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
80A	2NO+2NC	-	AC220V 50/60Hz	NC8-80/22 220V 50/60Hz	506691
80A	2NO+2NC	-	AC230V 50/60Hz	NC8-80/22 230V 50/60Hz	506692
80A	2NO+2NC	-	AC240V 50/60Hz	NC8-80/22 240V 50/60Hz	506693
80A	2NO+2NC	-	AC380V 50/60Hz	NC8-80/22 380V 50/60Hz	506695
80A	2NO+2NC	-	AC400V 50/60Hz	NC8-80/22 400V 50/60Hz	506696
80A	2NO+2NC	-	AC415V 50/60Hz	NC8-80/22 415V 50/60Hz	506697
80A	2NO+2NC	-	AC440V 50/60Hz	NC8-80/22 440V 50/60Hz	506698
80A	2NO+2NC	-	AC/DC 24V-60V 4P	NC8-80/22/W AC/DC 24V-60V 4P	506520
80A	2NO+2NC	-	AC/DC 48-130V 4P	NC8-80/22/W AC/DC 48-130V 4P	506521
80A	2NO+2NC	-	AC/DC 100-250V 4P	NC8-80/22/W AC/DC 100-250V 4P	506522
80A	4NO	-	AC24V 50/60Hz	NC8-80/4 24V 50/60Hz	183950
80A	4NO	-	AC380V 50Hz	NC8-80/4 380V 50Hz	242281
80A	4NO	-	AC220V 50Hz	NC8-80/4 220V 50Hz	242282
80A	4NO	-	AC110V 50Hz	NC8-80/4 110V 50Hz	242283
80A	4NO	-	AC24V 50Hz	NC8-80/4 24V 50Hz	242284
80A	4NO	-	AC240V 50Hz	NC8-80/4 240V 50Hz	242433
80A	4NO	-	AC230V 50Hz	NC8-80/4 230V 50Hz	242646
80A	4NO	-	AC110V 60Hz	NC8-80/4 110V 60Hz	253283
80A	4NO	-	AC110V 50/60Hz	NC8-80/4 110V 50/60Hz	253284
80A	4NO	-	AC220V 60Hz	NC8-80/4 220V 60Hz	253285
80A	4NO	-	AC220V 50/60Hz	NC8-80/4 220V 50/60Hz	253286
80A	4NO	-	AC230V 60Hz	NC8-80/4 230V 60Hz	253287
80A	4NO	-	AC240V 60Hz	NC8-80/4 240V 60Hz	253288
80A	4NO	-	AC240V 50/60Hz	NC8-80/4 240V 50/60Hz	253289
80A	4NO	-	AC24V 60Hz	NC8-80/4 24V 60Hz	253290
80A	4NO	-	AC380V 60Hz	NC8-80/4 380V 60Hz	253291
80A	4NO	-	AC380V 50/60Hz	NC8-80/4 380V 50/60Hz	253292
80A	4NO	-	AC230V 50/60Hz	NC8-80/4 230V 50/60Hz	781252
80A	4NO	-	AC380V 50Hz	NC8-80/4/N 380V 50Hz	242417
80A	4NO	-	AC220V 50Hz	NC8-80/4/N 220V 50Hz	242418
80A	4NO	-	AC110V 50Hz	NC8-80/4/N 110V 50Hz	242419
80A	4NO	-	AC24V 50Hz	NC8-80/4/N 24V 50Hz	242420
80A	4NO	-	AC230V 50Hz	NC8-80/4/N 230V 50Hz	242648
80A	4NO	-	AC/DC 24V-60V 4P	NC8-80/4/W AC/DC 24V-60V 4P	506517
80A	4NO	-	AC/DC 48-130V 4P	NC8-80/4/W AC/DC 48-130V 4P	506518
80A	4NO	-	AC/DC 100-250V 4P	NC8-80/4/W AC/DC 100-250V 4P	506519
80A	4NO	-	DC220V	NC8-80/4/Z DC220V	781124
80A	4NO	-	DC110V	NC8-80/4/Z DC110V	781125
80A	4NO	-	DC48V	NC8-80/4/Z DC48V	781126
80A	4NO	-	DC24V	NC8-80/4/Z DC24V	781127

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
100A	3NO	1NO+1NC	AC380V 50Hz	NC8-100 380V 50Hz	242277
100A	3NO	1NO+1NC	AC220V 50Hz	NC8-100 220V 50Hz	242278
100A	3NO	1NO+1NC	AC110V 50Hz	NC8-100 110V 50Hz	242279
100A	3NO	1NO+1NC	AC24V 50Hz	NC8-100 24V 50Hz	242280
100A	3NO	1NO+1NC	AC230V 50Hz	NC8-100 230V 50Hz	242517
100A	3NO	1NO+1NC	AC400V 50Hz	NC8-100 400V 50Hz	242867
100A	3NO	1NO+1NC	AC110V 60Hz	NC8-100 110V 60Hz	253293
100A	3NO	1NO+1NC	AC230V 60Hz	NC8-100 230V 60Hz	253294
100A	3NO	1NO+1NC	AC240V 60Hz	NC8-100 240V 60Hz	253295
100A	3NO	1NO+1NC	AC24V 60Hz	NC8-100 24V 60Hz	253296
100A	3NO	1NO+1NC	AC380V 50/60Hz	NC8-100 380V 50/60Hz	253297
100A	3NO	1NO+1NC	AC380V 60Hz	NC8-100 380V 60Hz	253298
100A	3NO	1NO+1NC	AC24V 50/60Hz	NC8-100 24V 50/60Hz	665067
100A	3NO	1NO+1NC	AC240V 50Hz	NC8-100 240V 50Hz	665674
100A	3NO	1NO+1NC	AC230V 50/60Hz	NC8-100 230V 50/60Hz	665781
100A	3NO	1NO+1NC	AC220V 50/60Hz	NC8-100 220V 50/60Hz	665852
100A	3NO	1NO+1NC	AC240V 50/60Hz	NC8-100 240V 50/60Hz	781275
100A	3NO	1NO+1NC	AC110V 50/60Hz	NC8-100 110V 50/60Hz	781313
100A	3NO	1NO+1NC	AC220V 60Hz	NC8-100 220V 60Hz	781484
100A	3NO	1NO+1NC	AC380V 50Hz	NC8-100/N 380V 50Hz	242413
100A	3NO	1NO+1NC	AC220V 50Hz	NC8-100/N 220V 50Hz	242414
100A	3NO	1NO+1NC	AC110V 50Hz	NC8-100/N 110V 50Hz	242415
100A	3NO	1NO+1NC	AC24V 50Hz	NC8-100/N 24V 50Hz	242416
100A	3NO	1NO+1NC	AC230V 50Hz	NC8-100/N 230V 50Hz	242522
100A	3NO	1NO+1NC	AC/DC 24V-60V	NC8-100/W AC/DC 24V-60V	506523
100A	3NO	1NO+1NC	AC/DC 48-130V	NC8-100/W AC/DC 48-130V	506524
100A	3NO	1NO+1NC	AC/DC 100-250V	NC8-100/W AC/DC 100-250V	506525
100A	3NO	1NO+1NC	DC220V	NC8-100/Z DC220V	781120
100A	3NO	1NO+1NC	DC110V	NC8-100/Z DC110V	781121
100A	3NO	1NO+1NC	DC48V	NC8-100/Z DC48V	781122
100A	3NO	1NO+1NC	DC24V	NC8-100/Z DC24V	781123
100A	4NO	-	AC24V 50/60Hz	NC8-100/4 24V 50/60Hz	183951
100A	4NO	-	AC380V 50Hz	NC8-100/4 380V 50Hz	242285
100A	4NO	-	AC220V 50Hz	NC8-100/4 220V 50Hz	242286
100A	4NO	-	AC110V 50Hz	NC8-100/4 110V 50Hz	242287
100A	4NO	-	AC24V 50Hz	NC8-100/4 24V 50Hz	242288
100A	4NO	-	AC230V 50Hz	NC8-100/4 230V 50Hz	242425
100A	4NO	-	AC110V 60Hz	NC8-100/4 110V 60Hz	253299
100A	4NO	-	AC110V 50/60Hz	NC8-100/4 110V 50/60Hz	253300
100A	4NO	-	AC220V 60Hz	NC8-100/4 220V 60Hz	253301
100A	4NO	-	AC220V 50/60Hz	NC8-100/4 220V 50/60Hz	253302
100A	4NO	-	AC230V 60Hz	NC8-100/4 230V 60Hz	253303
100A	4NO	-	AC240V 60Hz	NC8-100/4 240V 60Hz	253304
100A	4NO	-	AC240V 50/60Hz	NC8-100/4 240V 50/60Hz	253305

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
100A	4NO	-	AC24V 60Hz	NC8-100/4 24V 60Hz	253306
100A	4NO	-	AC380V 60Hz	NC8-100/4 380V 60Hz	253307
100A	4NO	-	AC380V 50/60Hz	NC8-100/4 380V 50/60Hz	253308
100A	2NO+2NC	-	AC/DC 24V-60V 4P	NC8-100/22/W AC/DC 24V-60V 4P	506529
100A	2NO+2NC	-	AC/DC 48-130V 4P	NC8-100/22/W AC/DC 48-130V 4P	506530
100A	2NO+2NC	-	AC/DC 100-250V 4P	NC8-100/22/W AC/DC 100-250V 4P	506531
100A	2NO+2NC	-	AC24V 50Hz	NC8-100/22 24V 50Hz	506608
100A	2NO+2NC	-	AC110V 50Hz	NC8-100/22 110V 50Hz	506612
100A	2NO+2NC	-	AC120V 50Hz	NC8-100/22 120V 50Hz	506613
100A	2NO+2NC	-	AC220V 50Hz	NC8-100/22 220V 50Hz	506615
100A	2NO+2NC	-	AC230V 50Hz	NC8-100/22 230V 50Hz	506616
100A	2NO+2NC	-	AC240V 50Hz	NC8-100/22 240V 50Hz	506617
100A	2NO+2NC	-	AC380V 50Hz	NC8-100/22 380V 50Hz	506619
100A	2NO+2NC	-	AC400V 50Hz	NC8-100/22 400V 50Hz	506620
100A	2NO+2NC	-	AC415V 50Hz	NC8-100/22 415V 50Hz	506621
100A	2NO+2NC	-	AC440V 50Hz	NC8-100/22 440V 50Hz	506622
100A	2NO+2NC	-	AC24V 50/60Hz	NC8-100/22 24V 50/60Hz	506703
100A	2NO+2NC	-	AC110V 50/60Hz	NC8-100/22 110V 50/60Hz	506707
100A	2NO+2NC	-	A120V 50/60Hz	NC8-100/22 120V 50/60Hz	506708
100A	2NO+2NC	-	AC220V 50/60Hz	NC8-100/22 220V 50/60Hz	506710
100A	2NO+2NC	-	AC230V 50/60Hz	NC8-100/22 230V 50/60Hz	506711
100A	2NO+2NC	-	AC240V 50/60Hz	NC8-100/22 240V 50/60Hz	506712
100A	2NO+2NC	-	AC380V 50/60Hz	NC8-100/22 380V 50/60Hz	506714
100A	2NO+2NC	-	AC400V 50/60Hz	NC8-100/22 400V 50/60Hz	506715
100A	2NO+2NC	-	AC415V 50/60Hz	NC8-100/22 415V 50/60Hz	506716
100A	2NO+2NC	-	AC440V 50/60Hz	NC8-100/22 440V 50/60Hz	506717
100A	4NO	-	AC230V 50/60Hz	NC8-100/4 230V 50/60Hz	665068
100A	4NO	-	AC415V 50Hz	NC8-100/4 415V 50Hz	665069
100A	4NO	-	AC240V 50Hz	NC8-100/4 240V 50Hz	781371
100A	4NO	-	AC380V 50Hz	NC8-100/4/N 380V 50Hz	242421
100A	4NO	-	AC220V 50Hz	NC8-100/4/N 220V 50Hz	242422
100A	4NO	-	AC110V 50Hz	NC8-100/4/N 110V 50Hz	242423
100A	4NO	-	AC24V 50Hz	NC8-100/4/N 24V 50Hz	242424
100A	4NO	-	AC230V 50Hz	NC8-100/4/N 230V 50Hz	242520
100A	4NO	-	AC/DC 100-250V 4P	NC8-100/4/W AC/DC 100-250V 4P	506528
100A	4NO	-	AC/DC 24V-60V 4P	NC8-100/4/W AC/DC 24V-60V 4P	506526
100A	4NO	-	AC/DC 48-130V 4P	NC8-100/4/W AC/DC 48-130V 4P	506527
100A	4NO	-	DC110V	NC8-100/4/Z DC110V	781129
100A	4NO	-	DC220V	NC8-100/4/Z DC220V	781128
100A	4NO	-	DC48V	NC8-100/4/Z DC48V	781130
100A	4NO	-	DC24V	NC8-100/4/Z DC24V	781131

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
115A	3NO	2NO+2NC	100V-250V AC/DC	NC8-115/W 100V-250V AC/DC	193194
115A	3NO	2NO+2NC	110V-127V AC/DC	NC8-115 110V-127V AC/DC	665788
115A	3NO	2NO+2NC	220V-240V AC/DC	NC8-115 220V-240V AC/DC	665790
115A	3NO	2NO+2NC	380V-415V AC/DC	NC8-115 380V-415V AC/DC	665791
115A	3NO	2NO+2NC	110V-127V AC/DC	NC8-115/N 110V-127V AC/DC	665792
115A	3NO	2NO+2NC	220V-240V AC/DC	NC8-115/N 220V-240V AC/DC	665794
115A	3NO	2NO+2NC	380V-415V AC/DC	NC8-115/N 380V-415V AC/DC	665795
150A	3NO	2NO+2NC	100V-250V AC/DC	NC8-150/W 100V-250V AC/DC	193195
150A	3NO	2NO+2NC	110V-127V AC/DC	NC8-150 110V-127V AC/DC	665796
150A	3NO	2NO+2NC	220V-240V AC/DC	NC8-150 220V-240V AC/DC	665798
150A	3NO	2NO+2NC	380V-415V AC/DC	NC8-150 380V-415V AC/DC	665799
150A	3NO	2NO+2NC	110V-127V AC/DC	NC8-150/N 110V-127V AC/DC	665800
150A	3NO	2NO+2NC	220V-240V AC/DC	NC8-150/N 220V-240V AC/DC	665802
150A	3NO	2NO+2NC	380V-415V AC/DC	NC8-150/N 380V-415V AC/DC	665803
170A	3NO	2NO+2NC	100V-250V AC/DC	NC8-170/W 100V-250V AC/DC	193196
170A	3NO	2NO+2NC	110V-127V AC/DC	NC8-170 110V-127V AC/DC	665804
170A	3NO	2NO+2NC	220V-240V AC/DC	NC8-170 220V-240V AC/DC	665806
170A	3NO	2NO+2NC	380V-415V AC/DC	NC8-170 380V-415V AC/DC	665807
170A	3NO	2NO+2NC	110V-127V AC/DC	NC8-170/N 110V-127V AC/DC	665808
170A	3NO	2NO+2NC	220V-240V AC/DC	NC8-170/N 220V-240V AC/DC	665810
170A	3NO	2NO+2NC	380V-415V AC/DC	NC8-170/N 380V-415V AC/DC	665811
205A	3NO	2NO+2NC	AC/DC 110V-127V	NC8-205 AC/DC 110V-127V	781304
205A	3NO	2NO+2NC	AC/DC 220V-240V	NC8-205 AC/DC 220V-240V	781305
205A	3NO	2NO+2NC	AC/DC 380V-415V	NC8-205 AC/DC 380V-415V	781306
205A	3NO	2NO+2NC	AC/DC 110V-127V	NC8-205/N AC/DC 110V-127V	781098
205A	3NO	2NO+2NC	AC/DC 220V-240V	NC8-205/N AC/DC 220V-240V	781099
205A	3NO	2NO+2NC	AC/DC 380V-415V	NC8-205/N AC/DC 380V-415V	781100
265A	3NO	2NO+2NC	AC/DC 110V-127V	NC8-265 AC/DC 110V-127V	781298
265A	3NO	2NO+2NC	AC/DC 220V-240V	NC8-265 AC/DC 220V-240V	781299
265A	3NO	2NO+2NC	AC/DC 380V-415V	NC8-265 AC/DC 380V-415V	781300
265A	3NO	2NO+2NC	AC/DC 110V-127V	NC8-265/N AC/DC 110V-127V	781101
265A	3NO	2NO+2NC	AC/DC 220V-240V	NC8-265/N AC/DC 220V-240V	781102
265A	3NO	2NO+2NC	AC/DC 380V-415V	NC8-265/N AC/DC 380V-415V	781103

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
300A	3NO	2NO+2NC	AC/DC 110V-127V	NC8-300 AC/DC 110V-127V	781301
300A	3NO	2NO+2NC	AC/DC 220V-240V	NC8-300 AC/DC 220V-240V	781302
300A	3NO	2NO+2NC	AC/DC 380V-415V	NC8-300 AC/DC 380V-415V	781303
300A	3NO	2NO+2NC	AC/DC 110V-127V	NC8-300/N AC/DC 110V-127V	781104
300A	3NO	2NO+2NC	AC/DC 220V-240V	NC8-300/N AC/DC 220V-240V	781105
300A	3NO	2NO+2NC	AC/DC 380V-415V	NC8-300/N AC/DC 380V-415V	781106
400A	3NO	1NO+1NC	AC/DC 380V-415V	NC8-400 AC/DC 380V-415V	781355
400A	3NO	1NO+1NC	AC/DC 220V-240V	NC8-400 AC/DC 220V-240V	781356
400A	3NO	1NO+1NC	AC/DC 110V-127V	NC8-400 AC/DC 110V-127V	781357
400A	3NO	1NO+1NC	AC/DC 380V-415V	NC8-400/N AC/DC 380V-415V	781361
400A	3NO	1NO+1NC	AC/DC 220V-240V	NC8-400/N AC/DC 220V-240V	781362
400A	3NO	1NO+1NC	AC/DC 110V-127V	NC8-400/N AC/DC 110V-127V	781363
500A	3NO	2NO+2NC	AC/DC 380V-415V	NC8-500 AC/DC 380V-415V	781358
500A	3NO	2NO+2NC	AC/DC 220V-240V	NC8-500 AC/DC 220V-240V	781359
500A	3NO	2NO+2NC	AC/DC 110V-127V	NC8-500 AC/DC 110V-127V	781360
500A	3NO	2NO+2NC	AC/DC 380V-415V	NC8-500/N AC/DC 380V-415V	781364
500A	3NO	2NO+2NC	AC/DC 220V-240V	NC8-500/N AC/DC 220V-240V	781365
500A	3NO	2NO+2NC	AC/DC 110V-127V	NC8-500/N AC/DC 110V-127V	781366
630A	3NO	2NO+2NC	AC/DC110V-127V	NC8-630 AC/DC110V-127V	506463
630A	3NO	2NO+2NC	AC/DC220V-240V	NC8-630 AC/DC220V-240V	506464
630A	3NO	2NO+2NC	AC/DC380V-415V	NC8-630 AC/DC380V-415V	506465
630A	3NO	2NO+2NC	AC/DC48V	NC8-630 AC/DC48V	506466
630A	3NO	2NO+2NC	AC/DC100V-250V	NC8-630/W AC/DC100V-250V	506467
630A	3NO	2NO+2NC	AC/DC250V-500V	NC8-630/W AC/DC250V-500V	506468
800A	3NO	2NO+2NC	AC/DC110V-127V	NC8-800 AC/DC110V-127V	506469
800A	3NO	2NO+2NC	AC/DC220V-240V	NC8-800 AC/DC220V-240V	506470
800A	3NO	2NO+2NC	AC/DC380V-415V	NC8-800 AC/DC380V-415V	506471
800A	3NO	2NO+2NC	AC/DC48V	NC8-800 AC/DC48V	506472
800A	3NO	2NO+2NC	AC/DC100V-250V	NC8-800/W AC/DC100V-250V	506473
800A	3NO	2NO+2NC	AC/DC250V-500V	NC8-800/W AC/DC250V-500V	506474
1000A	3NO	2NO+2NC	AC/DC110V-127V	NC8-1000 AC/DC110V-127V	506475
1000A	3NO	2NO+2NC	AC/DC220V-240V	NC8-1000 AC/DC220V-240V	506476
1000A	3NO	2NO+2NC	AC/DC380V-415V	NC8-1000 AC/DC380V-415V	506477
1000A	3NO	2NO+2NC	AC/DC48V	NC8-1000 AC/DC48V	506478
1000A	3NO	2NO+2NC	AC/DC100V-250V	NC8-1000/W AC/DC100V-250V	506479
1000A	3NO	2NO+2NC	AC/DC250V-500V	NC8-1000/W AC/DC250V-500V	506480
1260A	3NO	2NO+2NC	AC/DC110V-127V	NC8-1260 AC/DC110V-127V	506481
1260A	3NO	2NO+2NC	AC/DC220V-240V	NC8-1260 AC/DC220V-240V	506482
1260A	3NO	2NO+2NC	AC/DC380V-415V	NC8-1260 AC/DC380V-415V	506483
1260A	3NO	2NO+2NC	AC/DC48V	NC8-1260 AC/DC48V	506484
1260A	3NO	2NO+2NC	AC/DC100V-250V	NC8-1260/W AC/DC100V-250V	506485
1260A	3NO	2NO+2NC	AC/DC250V-500V	NC8-1260/W AC/DC250V-500V	506486
1450A (AC-1)	3NO	-	AC220V 50/60Hz	NC8-1450 220V 50/60Hz	537723
1450A (AC-1)	3NO	-	AC380V 50/60Hz	NC8-1450 380V 50/60Hz	537724
1700A AC-1)	3NO	-	AC220V 50/60Hz	NC8-1700 220V 50/60Hz	537725
1700A AC-1)	3NO	-	AC380V 50/60Hz	NC8-1700 380V 50/60Hz	537726
2100A (AC-1)	3NO	-	AC220V 50/60Hz	NC8-2100 220V 50/60Hz	537727
2100A (AC-1)	3NO	-	AC380V 50/60Hz	NC8-2100 380V 50/60Hz	537728
2650A (AC-1)	3NO	-	AC220V 50/60Hz	NC8-2650 220V 50/60Hz	537729
2650A (AC-1)	3NO	-	AC380V 50/60Hz	NC8-2650 380V 50/60Hz	537730









NXC Series AC Contactors

Applicable scope

The new NXC AC contactors feature a novel appearance and a compact structure. They are mainly used for frequent starts and control of AC motors as well as remote circuit making /breaking. They can also be combined with appropriate thermal overload relays to form electromagnetic starters.

Compliant standards: IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1.

Parameters

- Rated operation current Ie: 6A~630A
- Rated operation voltage Ue: 220V~690V
- Rated insulation voltage: 690V (NXC-06M~100), 1000V (NXC-120~630)
- Number of poles: 3P and 4P (only for NXC-06M~16M,NXC-09-12.25.40.50.65.80.95)
- Coil control method: AC (NXC-06(M)~225), DC (NXC-06M~16M), AC/DC (NXC-265~630)
- Installation method: NXC-06M~100 rail and screw installation, NXC-120~630 screw installation

Operation and installation conditions

Type	Operation and installation conditions
Installation class	Ⅲ
Pollution degree	3
Compliant standards	IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1
Certification mark	CE
Enclosure protection degree	NXC-06M~12M: IP20; NXC-06~38: front IP20(Front Side); NXC-40~100: IP10; NXC-120~630: IP00
Ambient temperature	Operation temperature limits: -35℃ ~+70℃ . Normal operation temperature range: -5℃ ~+40℃ . The 24-hour average temperature should not exceed +35℃ . For use beyond the normal operation temperature range, see "Instructions for use in abnormal conditions" in the annex.
Altitude	Not exceeding 2000 m above sea level
Atmospheric conditions	The relative humidity should not exceed 50% at the upper temperature limit of +70℃ . A higher relative humidity is allowed at a lower temperature, e.g. 90% at +20℃ . Special precautions should be taken against occasional condensation due to humidity variations.
Installation conditions	The angle between the installation surface and the vertical surface should not exceed ±5°.
Shock and vibration	The product should be installed in places without significant shaking, shock, and vibration.

Type Designation

NXC AC contactor

NXC	-	12	/N	230V	50Hz
Model		Rated current	Special function	Coil voltage	Frequency
		06, 09, 12, 16, 18, 22, 25, 32, 38, 40, 50, 65, 75, 85, 100, 120, 160, 185, 225, 265, 330, 400, 500, 630	/N: Reversible contactor None: Standard contactor	24V, 36V, 42V, 48V, 110V, 120V, 127V, 220V, 230V, 240V, 277V, 380V, 400V, 415V, 440V, 460V, 480V, 525V, 600V, 660V (AC: 06A~225A; AC/DC: 265A~630A)	50Hz, 60Hz, 50/60Hz

Note: 06A-100A products contain one NO auxiliary contact and one NC auxiliary contact; 120A-630A products contain two NO auxiliary contacts and two NC auxiliary contacts

NXC miniature 3P AC contactor

NXC	-	06M	10	/Z	/N	230V	50Hz
Model		Rated current	Auxiliary contact	Coil form	Special function	Coil voltage	Frequency
		06M 09M 12M	10: NO 01: NC	/Z: DC control coil None: AC control coil	/N: Reversible contactor None: Standard contactor	AC: 24V, 36V, 48V, 110V, 127V, 220V, 230V, 240V 380V, 415V, 440V, DC: 24V, 48V, 110V, 220V	50Hz, 60Hz, 50/60Hz

NXC miniature 4P AC contactor

NXC	-	06M	/22	/N	230V	50Hz
Model		Rated current	4P main contact combination	Special function	Coil voltage	Frequency
		06M 09M 12M	/22: 2 NO and 2 NC main contacts 40or/4: 4 NO main contacts	/N: Reversible contactor None: Standard contactor 4 NO main contacts	AC: 24V, 36V, 48V, 110V, 127V, 220V, 230V,240V, 380V, 415V, 440V,	50Hz, 60Hz, 50/60Hz

Model example: NXC-12 240V 50Hz represents an AC contactor under AC-3 utilization category that provides a rated current of 12A at a main circuit voltage of . Each contactor body contains one NO auxiliary contact and one NC auxiliary contact. The coil control voltage and frequency are AC and 50Hz respectively

NXC 4P AC contactor

NXC	-	06M	/22	/N	230V	50Hz
Model		Rated current	4P main contact combination	Special function	Coil voltage	Frequency
		09M 12M 25M 1Z	/22: 2 NO and 2 NC main contacts 40or/4: 4 NO main contacts	/N: Reversible contactor None: Standard contactor 4 NO main contacts	AC: 24V,110V, 220V, 240V, 380V	50Hz, 60Hz, 50/60Hz

NXC AC contactor selection table

Motor power kW			Maximum operation current A	Number of contacts contained in the contactor body		Contactor model
220V/230V/240V	380V/400V	660V/690V	(AC-3 380V/400V)	NO	NC	
1.5	2.2	3	6	1	0	NXC-06M10
1.5	2.2	3	6	0	1	NXC-06M01
1.5	2.2	3	6	1	1	NXC-06
2.2	4	4	9	1	0	NXC-09M10
2.2	4	4	9	0	1	NXC-09M01
2.2	2	5.5	9	1	1	NXC-09
3	5.5	4	12	1	0	NXC-12M10
3	5.5	4	12	0	1	NXC-12M01
3	7.5	7.5	16	1	0	NXC-16M10
3	7.5	7.5	16	0	1	NXC-16M01
4	7.5	10	18	1	1	NXC-18
5.5	11	11	22	1	1	NXC-22
5.5	11	15	25	1	1	NXC-25
7.5	15	18.5	32	1	1	NXC-32
9	18.5	18.5	38	1	1	NXC-38
11	18.5	30	40	1	1	NXC-40
15	22	37	50	1	1	NXC-50
18.5	30	37	65	1	1	NXC-65
22	37	37	75	1	1	NXC-75
22	37	45	85	1	1	NXC-85
25	45	45	100	1	1	NXC-100
37	55	80	120	2	2	NXC-120
45	75	100	160	2	2	NXC-160
55	90	100	185	2	2	NXC-185
63	110	110	225	2	2	NXC-225
75	132	160	265	2	2	NXC-265
90	160	200	330	2	2	NXC-330
132	200	300	400	2	2	NXC-400
160	250	335	500	2	2	NXC-500
200	335	350	630	2	2	NXC-630

Coil voltage specification table

NXC-06M~16M										
AC (V) 50Hz	24	36	48	110	127	220	230	240	380	415
AC (V) 60Hz	24	36	48	110	127	220	-	-	380	415
DC (V)	24	--	48	110	-	220	-	-	-	

NXC-06~100	
AC (V) 50Hz	
AC(V) 50/60Hz	24, 36, 42, 48, 110, 120, 127, 220, 230, 240, 277, 380, 400, 415, 440, 460, 480, 525, 600, 660
AC (V) 60Hz	

NXC-120~225										
AC (V) 50Hz	-	-	-	110	127	220	230	240	380	-
AC (V) 60Hz	-	-	-	110	127	220	-	-	380	-

NXC-265~630								
AC/DC (V)	-	-	-	-	110~127	220~240		380~415	-

Parameters

Main circuit parameters and technical performance

Contactor model				NXC-06M	NXC-09M	NXC-12M	NXC-16M	NXC-06	NXC-09	NXC-12	NXC-16	NXC-18	NXC-22
													
Rated impulse withstand voltage Uimp (kV)				20	20	20	22	20	20	25	25	32	32
Rated insulation voltage Ui (V)				690									
Conventional thermal current Ith (A)				6				8					
Rated making capacity				Making current: 10×Ie (AC-3) or 12×Ie (AC-4)									
Rated breaking capacity				Breaking current: 8×Ie (AC-3) or 10×Ie (AC-4)									
Rated operation current Ie (A)	220V/230V/240V		AC-1	20	20	20	22	20	20	25	25	32	32
			AC-3	6	9	12	16	6	9	12	16	18	22
			AC-4	6	9	12	16	6	9	12	16	18	22
	380V/400V/415V		AC-3	6	9	12	16	6	9	12	16	18	22
			AC-4	6	9	9	12	6	9	12	12	18	18
	660V/690V		AC-3	3.8	4.9	4.9	6.7	3.8	6.6	8.9	8.9	12	14
			AC-4	3.8	4.9	4.9	4.9	3.8	6.6	8.9	8.9	12	12
Rated control power	AC-3 (kW)	220V/230V/240V		1.5	2.2	3	3	1.5	2.2	3	3	4	5.5
		380V/400V/415V		2.2	4	5.5	7.5	2.2	4	5.5	7.5	7.5	11
		660V/690V		3	4	4	7.5	3	5.5	7.5	7.5	10	11
Electrical life (cycles)			AC-3	1.2×10^6									
Mechanical life (cycles)				1.2×10^7									
Main contact				3 NO, 4 NO, 2 NO+2 NC				3 NO					
Fuse supplied for SCPD				gG20	gG20	gG25	gG25	gG20	gG20	gG25	gG25	gG32	gG32
Matching thermal overload relay		Model		NXR-12				NXR-25					
Built-in auxiliary contact		3P		1 NO or 1 NC				1 NO+1 NC					
		4P		-									

Control circuit		Contactor model		NXC-06M	NXC-09M	NXC-12M	NXC-16M	NXC-06	NXC-09	NXC-12	NXC-16	NXC-18	NXC-22
Main circuit connection	Cable connection (mm^2)	Prefabricated flexible wire	1	1~2.5				1~4				1.5~6	
			2	1~1.5				1~2.5				1.5~4	
		Hard wire	1	1~2.5				1~4				1.5~6	
			2	1~2.5				1~4				1.5~6	
	Size of fastening screw			M3				M3.5				M3.5	
	Tightening torque (N·m)			0.8				1.2				1.2	
Control circuit connection	Cable connection (mm^2)	Prefabricated flexible wire	1	1~2.5				1~1.5					
			2	1~1.5				1~1.5					
		Hard wire	1	1~2.5				1~1.5					
			2	1~2.5				1~1.5					
	Size of fastening screw			M3				M3.5					
	Tightening torque (N·m)			0.8				1.2					

Contactor model			NXC-06M	NXC-09M	NXC-12M	NXC-16M	NXC-06	NXC-09	NXC-12	NXC-16	NXC-18	NXC-22
Coil control power supply	AC 50Hz		24,36,48,110,127,220,230,277,380,400,415,440				24, 36, 42, 48, 110, 120, 127, 220, 230, 240, 277, 380, 400, 415, 440, 460, 480, 525, 600, 660					
	DC		24, 48, 110, 220				-					
Control voltage	Pull-in		(75%~120%) Us				(70% ~ 120%) Us					
	Release		AC: (20%~70%) Us; DC: (10%~70%) Us				(20% ~ 65%) Us					
Coil average power (VA)	Start		≤50(DC≤4.5W)				50~70					
	Hold		≤9(DC≤4.5W)				≤9				≤9.5	
Heat dissipation (W)	AC		1~3				1~3					
	DC		-				-					
Main contact operation time (ms)	ON		10~18				12~40					
	OFF		4~16				4~25					

Contactor model			NXC-25	NXC-32	NXC-38	NXC-40	NXC-50	NXC-65	NXC-75	NXC-85	NXC-100
											
Conventional thermal current Ith (A)			40	50	50	60	80	80	90	100	125
Rated insulation voltage Ui (V)			690								
Rated impulse withstand voltage Uimp (kV)			8								
Rated making capacity			Making current: 10×Ie (AC-3) or 12×Ie (AC-4)								
Rated breaking capacity			Breaking current: 8×Ie (AC-3) or 10×Ie (AC-4)								
Rated operation current Ie (A)	220V/230V/240	AC-1	40	50	50	60	80	80	90	100	125
		AC-3	25	32	38	40	50	65	75	85	100
		AC-4	25	32	38	40	50	65	75	85	100
	380V/400V/415V	AC-3	25	32	38	40	50	65	75	85	100
		AC-4	25	32	32	40	50	65	75	85	100
	660V/690	AC-3	18	22	22	34	39	42	42	49	49
		AC-4	18	22	22	34	39	42	42	49	49
Rated control power	AC-3 (kW)	220V/230V/240V	5.5	7.5	9	11	15	18.5	22	22	25
		380V/400V/415V	11	15	18.5	18.5	22	30	37	37	45
		660V/690V	15	18.5	18.5	30	37	37	37	45	45
Electrical life (cycles)		AC-3	1.2×10^6			1×10^6			0.8×10^6		
Mechanical life (cycles)			1×10^7			0.9×10^7			0.65×10^7		
Main contact			3 NO								
Fuse supplied for SCPD			gG40	gG50	gG50	gG63	gG80	gG80	gG100	gG100	gG125
Matching thermal overload relay		Model	NXR-25	NXR-38		NXR-100					
Built-in auxiliary contact		3P	1 NO or 1 NC			1 NO+1 NC					
		4P	-								

Control circuit	Contactor model			NXC-25	NXC-32	NXC-38	NXC-40	NXC-50	NXC-65	NXC-75	NXC-85	NXC-100
Main circuit connection	Cabling (mm^2)	Prefabricated flexible wire	1	1.5~10			6~25			10~50		
			2	1.5~6			4~10			6~25		
		Hard wire	1	1.5~6			6~25			10~50		
			2	1.5~4			4~10			6~25		
	Size of fastening screw			M4			M8			M8		
	Tightening torque (N·m)			1.85			6			9		
Control circuit connection	Cabling (mm^2)	Prefabricated flexible wire	1	1~1.5								
			2	1~1.5								
		Hard wire	1	1~1.5								
			2	1~1.5								
	Size of fastening screw			M3.5								
	Tightening torque (N·m)			1.2								

Contactor model			NXC-25	NXC-32	NXC-38	NXC-40	NXC-50	NXC-65	NXC-75	NXC-85	NXC-100
Coil control power supply	AC 50Hz		24, 36, 42, 48, 110, 120, 127, 220, 230, 240, 277, 380, 400, 415, 440, 460, 480, 525, 600, 660								
Control voltage	Pull-in		(70%~120%) Us			(75%~120%) Us					
	Release		(20%~65%) Us								
Coil average power (VA)	Start		50~70			160~210			250~300		
	Hold		≤ 14.0			≤ 36.6			≤ 36.6		
Heat dissipation (W)	AC		1~3			4~8			6~10		
	DC		-			-			-		
Main contact action time (ms)	Close		12~40			15~50					
	Open		4~25			4~40					

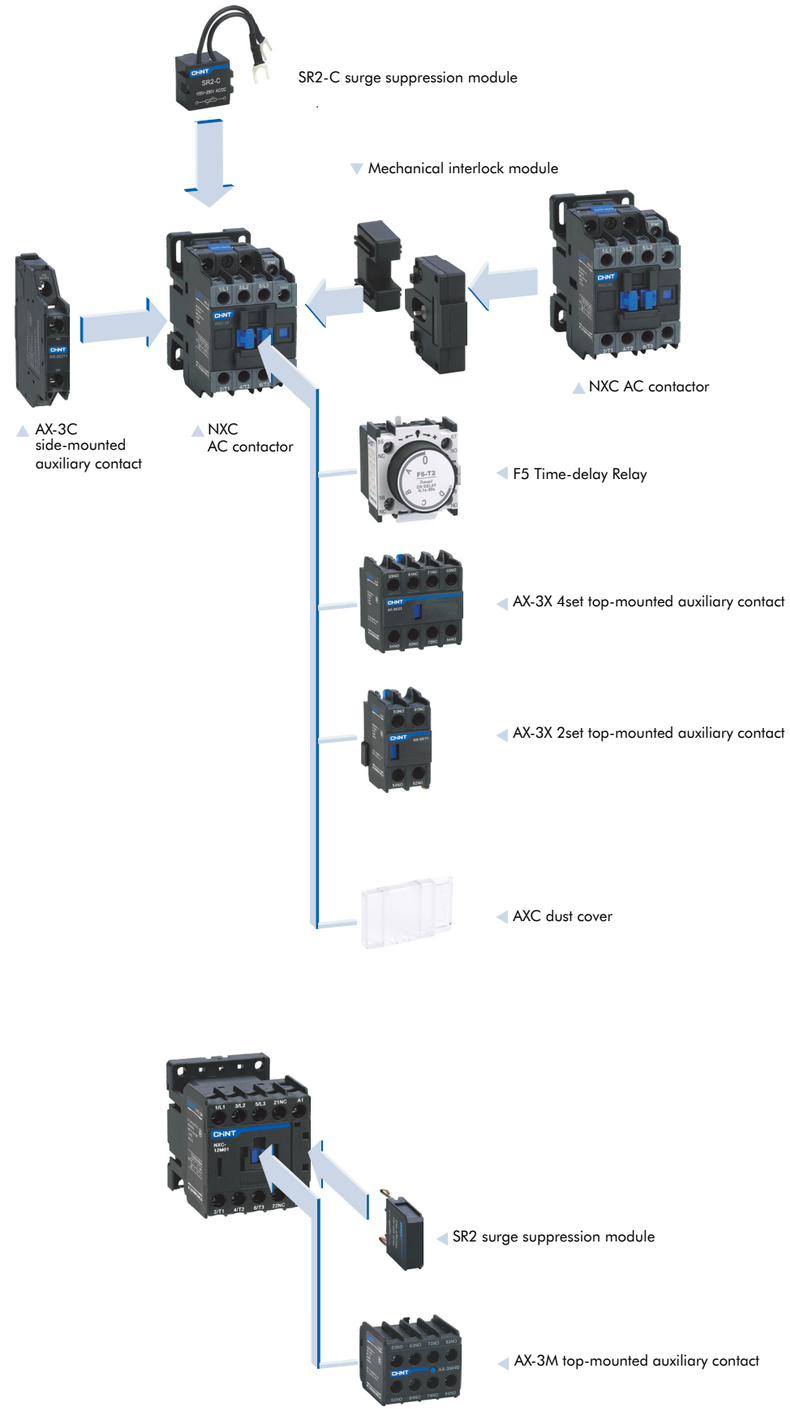
Contactor model			NXC-120	NXC-160	NXC-185	NXC-225	NXC-265	NXC -330	NXC -400	NXC-500	NXC-630
											
Conventional thermal current Ith (A)			200	200	275	275	315	380	450	630	700
Rated insulation voltage Ui (V)			1000								
Rated impulse withstand voltage Uimp (kV)			12								
Rated making capacity			Making current: 10×Ie (AC-3) or 12×Ie (AC-4)								
Rated breaking capacity			Breaking current: 8×Ie (AC-3) or 10×Ie (AC-4)								
Rated operation current Ie (A)	220V/230V/240V	AC-3	120	160	185	225	265	330	400	500	630
		AC-4	120	160	160	185	265	330	330	500	500
	380V/400V/415V	AC-3	120	160	185	225	265	330	400	500	630
		AC-4	120	160	160	185	265	330	330	500	500
	660V/690V	AC-3	86	107	107	118	170	235	303	353	400
		AC-4	86	107	107	107	137	170	235	303	353
Rated control power	AC-3 (kW)	220V/230V/240V	37	45	55	63	75	90	132	160	200
		380V/400V/415V	55	75	90	110	132	160	200	250	335
		660V/690V	80	100	100	110	160	200	300	335	350
Electrical life (cycles)		AC-3	1.2×10^6				0.8×10^6				
		AC-4	See electrical life curve								
Mechanical life (cycles)			0.6×10^7								
Main contact			3 NO								
Fuse supplied for SCPD			gG224	gG224	gG315	gG315	gG400	gG425	gG500	gG800	gG950
Matching thermal overload relay		Model	NXR-200			NXR-630					
Built-in auxiliary contact		3P	2 NO+2 NC								
		4P									

Control circuit		Contactor model		NXC-120	NXC-160	NXC-185	NXC-225	NXC-265	NXC-330	NXC-400	NXC-500	NXC-630
Main circuit connection	Cable connection (mm^2)	Prefabricated flexible wire	1	10~150								
			2	10~75								
		Hard wire	1	10~150			50~240					
			2	10~75			50~240					
	Size of fastening screw			M6	M8		M10					
	Tightening torque (N·m)			10			14					
Control circuit connection	Cable connection (mm^2)	Prefabricated flexible wire	1	1~4								
			2	1~2.5								
		Hard wire	1	1~4								
			2	1~4								
	Size of fastening screw			M3.5								
	Tightening torque (N·m)			0.8								

Contactor model		NXC-120	NXC-160	NXC-185	NXC-225	NXC-265	NXC-330	NXC-400	NXC-500	NXC-630
Coil control power supply	AC 50Hz	110, 127, 220, 230, 240, 380,400,415,440				Common for AC and DC: 110V-127V, 220V-240V, 380V-415V				
	DC	-								
Control voltage	Pull-in	(75%~120%)Us				(75%~120%)Us				
	Release	(20%~70%)Us				(10%~70%)Us				
Coil average power (VA)	Start	500				600			800	
	Hold	50				11			11	
Heat dissipation (W)	AC	30~50				3~6			3~7	
	DC	-				3~6			3~7	
Main contact action time (ms)	Close	20~50				30~95			45~100	
	Open	4~25				40~80			60~100	

Accessories

Accessory diagrams



Accessory description

Top-mounted auxiliary contact

AX - 3X	/	11	AX - 3M	/	11
Auxiliary contact model		NO and NC auxiliary contact combination	Auxiliary contact model		NO and NC auxiliary contact combination
Applicable to 6A-630A AC contactor product		11, 20, 02 22, 13, 31 04, 40	Applicable to NXC-06M ~16M AC contactor product		11, 20, 02 22, 13, 31 04, 40

Side-mounted auxiliary contact

AX - 3C	/	11	B
Side-mounted auxiliary contact model		NO and NC contact combination	None: Standard model, applicable to 6A~225A AC contactor B: Expanded model, applicable to 265A~630A AC contactor
		11	

Dust cover

AXC	-	1
Dust cover		1: Used for NXC-06~22, NXC-120~630 2: Used for NXC-25~38 3: Used for NXC-40~65 4: Used for NXC-75~100

Time-delay Relay

F5	/	T	4
Time-delay Relay model		Delay type	Delay range
		T: On-delay D: Off delay	0: 0.1~3s 2: 0.1~30s 4: 10~180s

Accessory selection table (auxiliary contact)

Contactor	Optional accessory	Accessory model	Contact combination
NXC-06M~16M	AX-3M top-mounted auxiliary contact	AX-3M/20	2NO+0NC
		AX-3M/11	1NO+1NC
		AX-3M/02	0NO+2NC
		AX-3M/40	4NO+0NC
		AX-3M/31	3NO+1NC
		AX-3M/22	2NO+2NC
		AX-3M/13	1NO+3NC
		AX-3M/04	0NO+4NC
NXC-06~225	AX-3X top-mounted auxiliary contact	AX-3X/20	2NO+0NC
		AX-3X/11	1NO+1NC
		AX-3X/02	0NO+2NC
		AX-3X/40	4NO+0NC
		AX-3X/31	3NO+1NC
		AX-3X/22	2NO+2NC
		AX-3X/13	1NO+3NC
		AX-3X/04	0NO+4NC
	AX-3C side-mounted auxiliary contact	AX-3C/11	1NO+1NC
NXC-265~630	AX-3X top-mounted auxiliary contact	AX-3X/20	2NO+0NC
		AX-3X/11	1NO+1NC
		AX-3X/02	0NO+2NC
		AX-3X/40	4NO+0NC
		AX-3X/31	3NO+1NC
		AX-3X/22	2NO+2NC
		AX-3X/13	1NO+3NC
		AX-3X/04	0NO+4NC
	AX-3C side-mounted auxiliary contact	AX-3C/11B	1NO+1NC

Accessory selection table (air delay head)

Contactor	Optional accessory	Accessory model	Contact combination	Delay range (s)
NXC series (except for NXC-06M~16M)	F5 air delay head	F5-T0	1NO+1NC	0.1~3
		F5-T2	1NO+1NC	0.1~30
		F5-T4	1NO+1NC	10~180
		F5-D0	1NO+1NC	0.1~3
		F5-D2	1NO+1NC	0.1~30
		F5-D4	1NO+1NC	10~180

Accessory selection table (dust cover)

Contactor	Optional accessory
NXC-06~22、NXC-120~630	AXC-1 dust cover
NXC-25~38	AXC-2 dust cover
NXC-40~65	AXC-3 dust cover
NXC-75~100	AXC-4 dust cover

Main parameters and technical performance indicators of accessories

Item			Main technical parameters	
Rated operation current (V)			To 690	
Rated impulse withstand voltage uimp (kV)			6	
Conventional thermal current Ith (A)			10	
Rated making capacity (A)			Breaking current 10 Ie (AC-15) or Ie (DC-13)	
Short-circuit protection			gG fuse: 10A	
Control capacity	Auxiliary contact	AC-15	220V/230V	2.7A
		DC-13	330V/400V	1.5A
	F5 air delay head	AC-15	660V	0.52A
		DC-13	220V	0.3A
Compliant standards			IEC/EN 60947-5-1	
Product certification			CE	
Enclosure protection degree			IP 20 (front side)	
Cable connection (mm^2)	Flexible wire without cold-pressed terminal		1~4	
			1~4	
	Flexible wire with cold-pressed terminal		1~4	
			1~2.5	
	Hard wire		1~4	
			1~4	
Fastening screw size			M3.5, M3 (AX-3M)	
Tightening torque (N·m)			1.2	

Derivative products

Name	Reversible AC contactor
Reversible AC contactor	

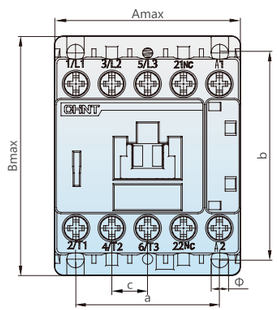
Sutiable contactor type	Michanial interlock type
NXC-06~38	MI-5
NXC-40~65	MI-6
NXC-75~100	MI-7
NXC-120~225	MI-9
NXC-265~630	NCL8-C

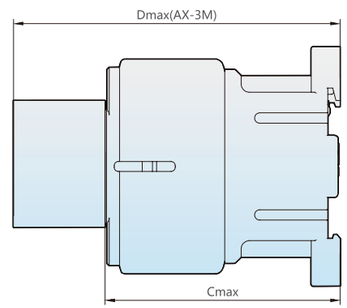
Dimensions and installation

NXC-06M~12M

Dimensions and installation





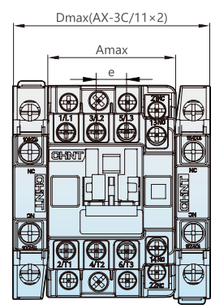


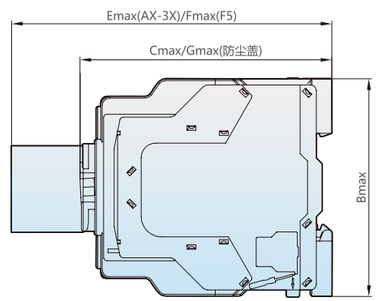
Model	Amax	Bmax	Cmax	Dmax	a	b	c	d	Φ
NXC-06M-16M	46	59	58	94	35±0.35	50±0.48	8.7	7.7	4.2
NXC-06M/4-16M/4	46	59	58	94	35±0.35	50±0.48	8.7	7.7	4.2
NXC-06M/Z-16M/Z	46	59	70	106	35±0.35	50±0.48	8.7	7.7	4.2
NXC-06M/4/Z-16M/4/Z	46	59	70	106	35±0.35	50±0.48	8.7	7.7	4.2

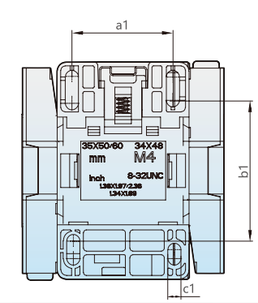
NXC-06~38

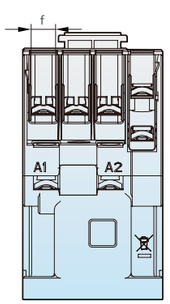
Dimensions and installation







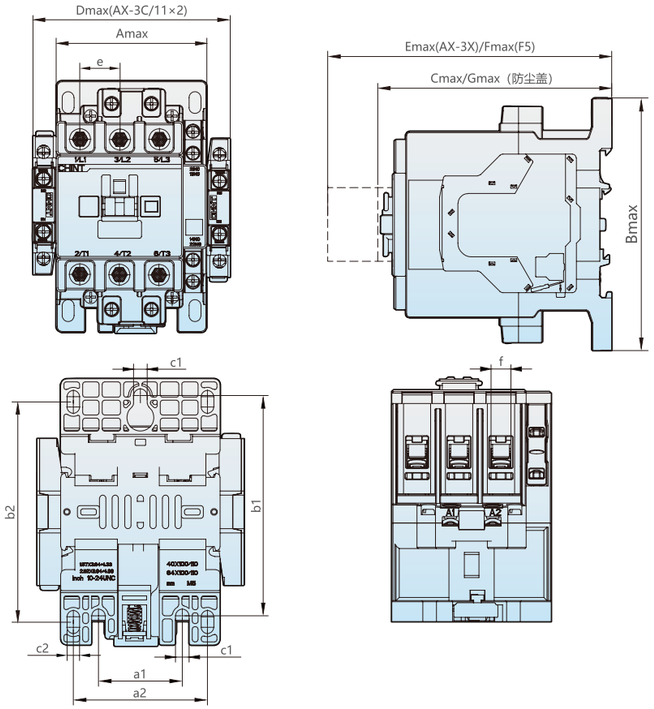




NXC-40~100

Dimensions and installation



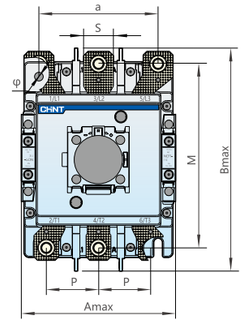


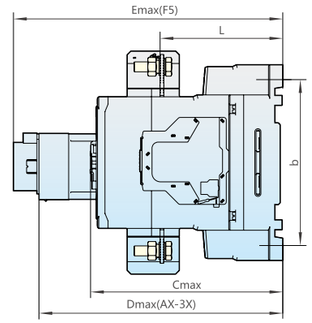
Model	Amax	Bmax	Cmax	Dmax	Emax	Fmax	Gmax	a1	b1	c1	a2	b2	c2	e	f
NXC-06~16	45.5	75	88	70	126.5	146.5	90	35±0.31	48±0.31	Φ4.5	-	-	-	10.6	7.8
NXC-18~22	45.5	75	88	70	126.5	146.5	90	35±0.31	48±0.31	Φ4.5	-	-	-	11.4	9.2
NXC-25~38	56.5	87	93	81	131.5	151.5	95	40±0.31	48±0.31	Φ4.5	-	-	-	14.2	10.6
NXC-40~65	77	129	118	102	156.5	176.5	121	40±0.28	105±0.57	Φ6.5	64	105	Φ6	20	9.5
NXC-75~100	87	132	127	112	165.5	185.5	129	40±0.28	105±0.57	Φ6.5	74	112	Φ6.2	24	13

NXC-120~225

Dimensions and installation



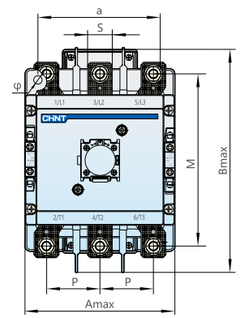


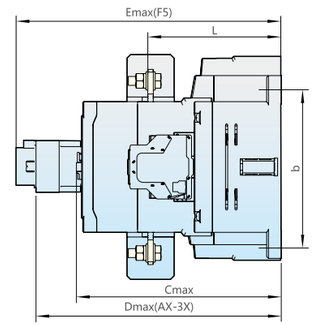


NXC-265~400

Dimensions and installation



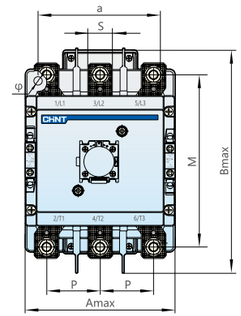


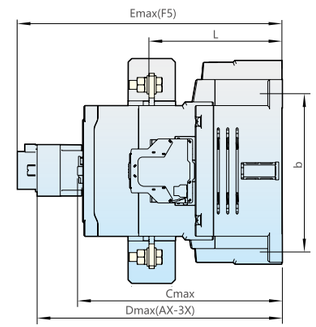


NXC-500~630

Dimensions and installation



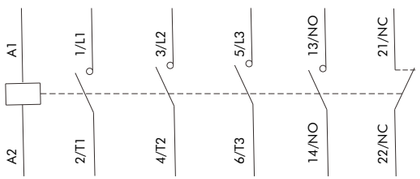




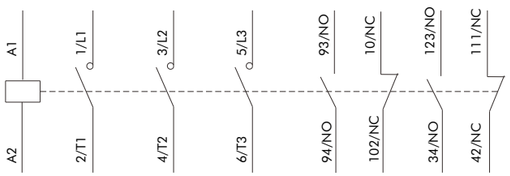
Model	Amax	Bmax	Cmax	Dmax	Emax	a	b	Φ	L	M	P	S
NXC-120-160	127	182	156	196.5	216.5	96±0.5	133.6±0.8	7	99	143	42	20
NXC-185-225	127	182	156	196.5	216.5	96±0.5	133.6±0.8	7	99	155	41	24
NXC-265-400	150	236	207	245.5	265.5	120±0.5	180±0.8	9	134	168	48	25
NXC-500-630	165	248	225	263.5	283.5	130±0.5	180±0.8	9	146	149	58.5	27

Wiring diagrams

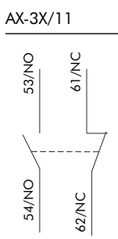
NXC-06~100



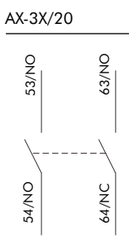
NXC-120~630



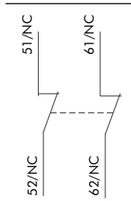
AX-3X/11



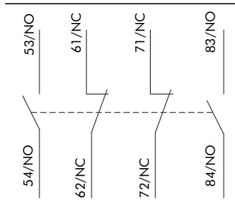
AX-3X/20



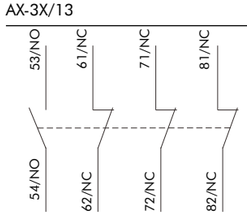
AX-3X/02



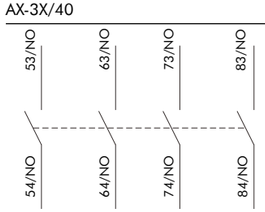
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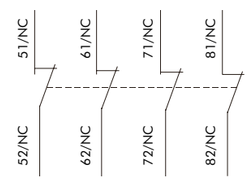
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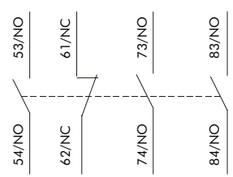
AX-3X/40



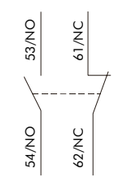
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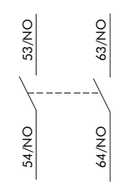
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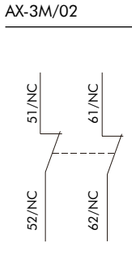
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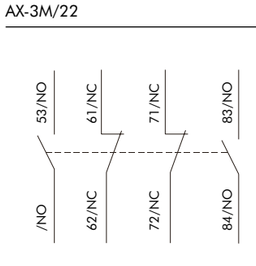
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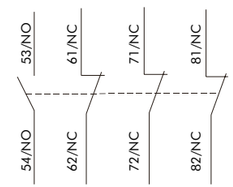
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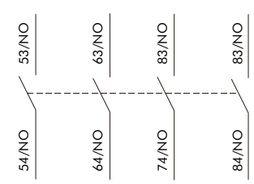
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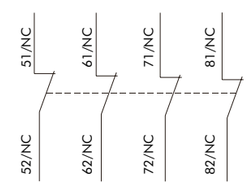
AX-3M/13



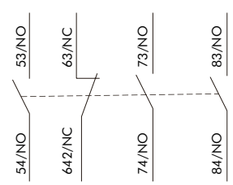
AX-3M/40



AX-3M/04



AX-3M/31



Annex I: Instructions for use in abnormal conditions

Instructions for use of correction factors in high altitude areas

- IEC/EN 60947-4-1 standard defines the relation between altitude and impulse withstand voltage. An altitude of 2000 m above sea level or lower has no significant impact on product performance.
- At an altitude higher than 2000 m, air cooling effect and decease of rated impulse withstand voltage have to be considered. In this case, design and use of products have to be negotiated by the manufacturer and the user.
- The correction factors for rated impulse withstand voltage and rated operation current for altitudes higher than 2000 m are given in the following table. The rated operation voltage remains unchanged.

Altitude (m)	2000	3000	4000	5000
Rated impulse withstand voltage correction factor	1	0.88	0.78	0.7
Rated operation current correction factor	1	0.92	0.9	0.85

Instructions for use under abnormal ambient temperature

- IEC/EN 60947-4-1 standard defines normal operation temperature range for products. Use of products in the normal range will not cause significant impact on their performance.
- At an operation temperature higher than +40℃ , the tolerable temperature rise of products needs to be reduced. Both rated operation current and number of contactors in standard products have to be decreased to prevent product damage, shortened service life, lower reliability, or impact on control voltage. At a temperature lower than -5℃ , freezing of insulation and lubrication grease should be considered to prevent action failures. In these cases, design and use of products have to be negotiated by the manufacturer and the user.
- The correction factors for different rated operation current under operation temperature higher than +55℃ are given in the following table. The rated operation voltage remains unchanged.

Ambient temperature (℃)	55	60	65	70
Correction factor	1	0.93	0.875	0.75

- At the temperature range of +55℃ ~+70℃ , the pull-in voltage range of AC contactors is (90%~110%)Us, (70%~120%)Us and (75%~120%)Us is the results of cold status tests at 40℃ ambient temperature.

Instructions for derating during use in corrosive environment

● Impact on metal parts

Chlorine Cl_2 , nitrogen dioxide NO_2 , hydrogen sulfide H_2S, sulfur dioxide SO_2
Copper: The thickness of copper sulfide coating in chlorine environment will be twice that in normal environment conditions. This is also the case for environments with nitrogen dioxide.
Silver: When used in SO_2 or H_2S environment, the surface of silver or silver coated contacts will become dark due to formation of a silver sulfide coating. This will lead to higher contact temperature rise and may damage to the contacts.
In humid environments where Cl_2 and H_2S coexist, the coating thickness will increase by 7 times. With presence of both H_2S and NO_2 , the silver sulfide thickness will increase by 20 times.

● Considerations during product selection

In refinery, steel, paper, artificial fiber (nylon) industry or other industries using sulphur, equipment may experience vulcanization (also called oxidization in some industrial sectors). Equipment installed in machine rooms is not always well protected from oxidization. Short inlets are often used to ensure that the pressure in such rooms is slightly higher than atmospheric pressure, which helps reduce pollutions due to external factor to a certain degree. However, after operation for 5 to 6 years, the equipment still experience rust and oxidization inevitably. Hence in operation environments with corrosive gas, the equipment needs to be used with derating. The derating coefficient relative to the rated value is 0.6 (up to 0.8). This helps reduce rate of accelerated oxidization due to temperature rise.

Instructions for use with parallel poles

- In case of parallel poles, the rated current of such poles needs to be corrected to make up for distribution of long-term unstable current, as shown in the table below:

Number of parallel poles	2	3	4
Correction factor	1.6	2.25	2.8

Annex II: Utilization category description

Different types of power-consuming equipment may have significantly different loading characteristics and current changes during making/breaking, hence they have different requirements for contactors. IEC 60947-1 standard defines contactor utilization categories that are indicated by one or more of the following use conditions:
- Current, indicated with multiples of rated current
- Voltage, indicated with multiples of rated voltage
- Power factor or time constant
- Short-circuit performance
- Selectivity
- Other use conditions (if applicable)

NXC AC contactors mainly include the following categories:

Utilization categories of AC main circuit

AC-1 type
This type is used for AC loads with a power factor higher than or equal to 0.95.
Examples: heating, power distribution.

AC-2 type
This type is used for start revere braking and inching of slip ring motors.
During closing, the contactor makes a start current that is about 2.5 times motor rated current.
During opening, the contactor must break the start current at a voltage lower than or equal to the main supply voltage.

AC-3 type
This type is used for breaking normally started squirrel cage motors.
During closing, the contactor makes a start current that is about 7 times motor rated current.
During opening, the contactor breaks motor rated current. In this case, the voltage at the contactor wire terminal is about 20% of main supply voltage. The breaking process is not harsh.
Examples: all standard squirrel cage motors such as those in elevator, escalator, conveyance belt, air compressor, pump, mixer, and air conditioner.

AC-4 type
This type is used for reverse braking and inching of squirrel motors and sling ring motors.
The contactor makes a current that is 5 to 7 times rated motor current, and breaks the same current at higher voltage. At lower motor RPMs, the voltage breaking is as harsh as main voltage.
Examples: printing machinery, wire drawing machine, tower crane, crane, metallurgy.

Control circuit utilization categories

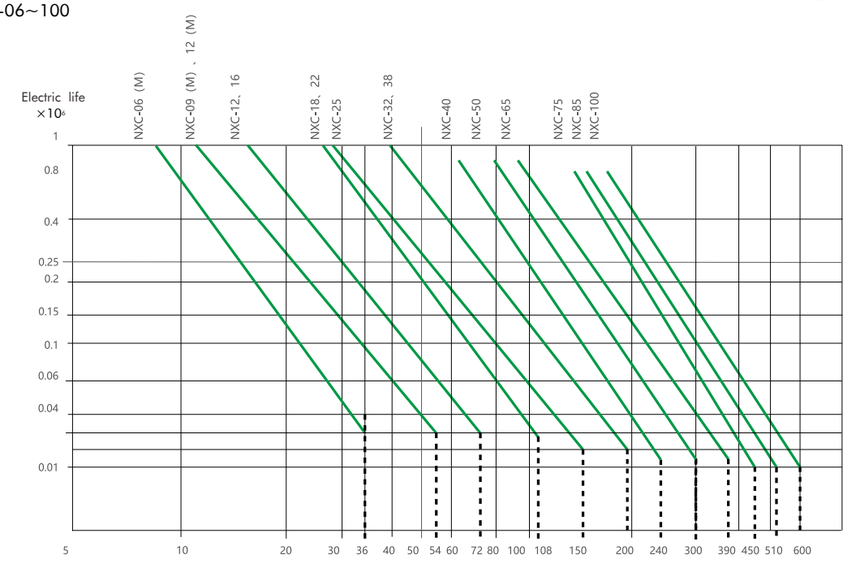
DC-13 type
This type of system is used for starting, reverse current braking, and inching of DC shunt excited machines. The duration is equal to or less than 2 ms.
This type is used for switching electromagnetic loads.

AC-15 type
This type is used for switching electromagnetic loads. The pull-in power during closing of electromagnet is higher than 72VA.
Examples: operation coil of switch contactors.

3. Curves

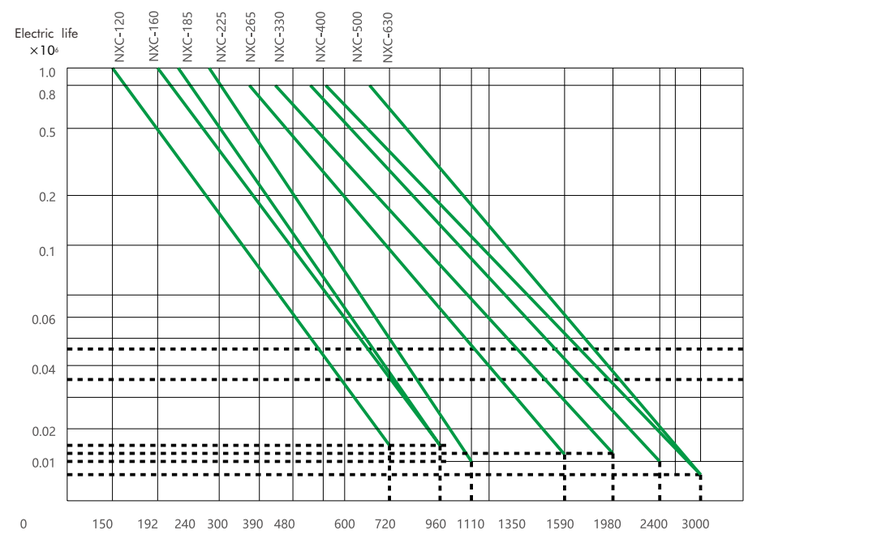
NXC-06~100

Electric life curves (AC-3)



NXC-120~630

Electric life curves (AC-3)



NXC	-	06	M	01	/	22	/	Z	/	N	220V	50Hz
Product Series		**Rated Current (AC-3)**	**Contactor Type**	**Auxiliary Contact**		**Main Contact**		**Coil Type**		**Function**	**Control Voltage**	**Frequency**
		06: 6A 09: 9A 12: 12A 16: 16A 18: 18A 22: 22A 25: 25A 32: 32A 38: 38A 40: 40A 50: 50A 65: 65A 75: 75A 85: 85A 100: 100A 120: 120A 160: 160A 185: 185A 225: 225A 265: 265A 330: 330A 400: 400A 500: 500A 630: 630A	Blank: standard type (6~630A) M: miniature type (6~16A)	Blank: 1NO+1NC (standard type, 6~100A) 2NO+2NC (120~630A) no auxiliary contact (1450~2650A) no auxiliary contact (4P contactor) 01: 1NC (miniature type) 10: 1NO (miniature type)		Blank: 3NO (6~630A) 22: 2NO+2NC (miniature type) 4: 4NO (miniature type)		Blank: standard AC coil Z: standard DC coil (miniature type)		Blank: non-reversing N: reversing	6~225A: 24V: AC24V (6~100A only) 110V: AC110V 127V: AC127V 220V: AC220V 230V: AC230V 240V: AC240V 380V: AC380V 400V: AC400V 415V: AC415V 440V: AC440V DC24V: DC24V (miniature type only) DC48V: DC48V (miniature type only) DC110V: DC110V (miniature type only) DC220V: DC220V (miniature type only) 265~630A: AC/DC 110~127V AC/DC 220~240V AC/DC 380~415V	50Hz 60Hz 50/60Hz

NXC Mini type Contactor 3P (6~16A)

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
6A	3NO	1NC	AC 380V 50/60Hz	NXC-06M01 380V 50/60Hz	836583
6A	3NO	1NC	AC 220V 50/60Hz	NXC-06M01 220V 50/60Hz	836584
6A	3NO	1NC	AC 110V 50/60Hz	NXC-06M01 110V 50/60Hz	836585
6A	3NO	1NC	AC 24V 50/60Hz	NXC-06M01 24V 50/60Hz	836586
6A	3NO	1NC	AC 240V 50/60Hz	NXC-06M01 240V 50/60Hz	956534
6A	3NO	1NC	AC 380V 50/60Hz	NXC-06M01/N 380V 50/60Hz	836631
6A	3NO	1NC	AC 220V 50/60Hz	NXC-06M01/N 220V 50/60Hz	836632
6A	3NO	1NC	AC 110V 50/60Hz	NXC-06M01/N 110V 50/60Hz	836633
6A	3NO	1NC	AC 24V 50/60Hz	NXC-06M01/N 24V 50/60Hz	836634
6A	3NO	1NC	DC 48V	NXC-06M01/Z DC 48V	190576
6A	3NO	1NC	DC 220V	NXC-06M01/Z DC 220V	836664
6A	3NO	1NC	DC 110V	NXC-06M01/Z DC 110V	836665
6A	3NO	1NC	DC 24V	NXC-06M01/Z DC 24V	836666
6A	3NO	1NC	DC 48V	NXC-06M01/Z/N DC 48V	956566
6A	3NO	1NC	DC 220V	NXC-06M01/Z/N DC 220V	956567
6A	3NO	1NC	DC 110V	NXC-06M01/Z/N DC 110V	956568
6A	3NO	1NC	DC 24V	NXC-06M01/Z/N DC 24V	956569
6A	3NO	1NO	AC 380V 50/60Hz	NXC-06M10 380V 50/60Hz	836571
6A	3NO	1NO	AC 220V 50/60Hz	NXC-06M10 220V 50/60Hz	836572
6A	3NO	1NO	AC 110V 50/60Hz	NXC-06M10 110V 50/60Hz	836573
6A	3NO	1NO	AC 24V 50/60Hz	NXC-06M10 24V 50/60Hz	836574
6A	3NO	1NO	AC 240V 50/60Hz	NXC-06M10 240V 50/60Hz	956531
6A	3NO	1NO	AC 380V 50/60Hz	NXC-06M10/N 380V 50/60Hz	836619
6A	3NO	1NO	AC 220V 50/60Hz	NXC-06M10/N 220V 50/60Hz	836620
6A	3NO	1NO	AC 110V 50/60Hz	NXC-06M10/N 110V 50/60Hz	836621
6A	3NO	1NO	AC 24V 50/60Hz	NXC-06M10/N 24V 50/60Hz	836622
6A	3NO	1NO	DC 48V	NXC-06M10/Z DC 48V	190573
6A	3NO	1NO	DC 220V	NXC-06M10/Z DC 220V	836655
6A	3NO	1NO	DC 110V	NXC-06M10/Z DC 110V	836656
6A	3NO	1NO	DC 24V	NXC-06M10/Z DC 24V	836657
6A	3NO	1NO	DC 48V	NXC-06M10/Z/N DC 48V	956554
6A	3NO	1NO	DC 220V	NXC-06M10/Z/N DC 220V	956555
6A	3NO	1NO	DC 110V	NXC-06M10/Z/N DC 110V	956556
6A	3NO	1NO	DC 24V	NXC-06M10/Z/N DC 24V	956557

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	3NO	1NC	AC 380V 50/60Hz	NXC-09M01 380V 50/60Hz	836587
9A	3NO	1NC	AC 220V 50/60Hz	NXC-09M01 220V 50/60Hz	836588
9A	3NO	1NC	AC 110V 50/60Hz	NXC-09M01 110V 50/60Hz	836589
9A	3NO	1NC	AC 24V 50/60Hz	NXC-09M01 24V 50/60Hz	836590
9A	3NO	1NC	AC 240V 50/60Hz	NXC-09M01 240V 50/60Hz	956535
9A	3NO	1NC	AC 380V 50/60Hz	NXC-09M01/N 380V 50/60Hz	836635
9A	3NO	1NC	AC 220V 50/60Hz	NXC-09M01/N 220V 50/60Hz	836636
9A	3NO	1NC	AC 110V 50/60Hz	NXC-09M01/N 110V 50/60Hz	836637
9A	3NO	1NC	AC 24V 50/60Hz	NXC-09M01/N 24V 50/60Hz	836638
9A	3NO	1NC	DC 48V	NXC-09M01/Z DC 48V	190577
9A	3NO	1NC	DC 220V	NXC-09M01/Z DC 220V	836667
9A	3NO	1NC	DC 110V	NXC-09M01/Z DC 110V	836668
9A	3NO	1NC	DC 24V	NXC-09M01/Z DC 24V	836669
9A	3NO	1NC	DC 48V	NXC-09M01/Z/N DC 48V	956570
9A	3NO	1NC	DC 220V	NXC-09M01/Z/N DC 220V	956571
9A	3NO	1NC	DC 110V	NXC-09M01/Z/N DC 110V	956572
9A	3NO	1NC	DC 24V	NXC-09M01/Z/N DC 24V	956573
9A	3NO	1NO	AC 415V 50/60Hz	NXC-09M10 415V 50/60Hz	219890
9A	3NO	1NO	AC 380V 50/60Hz	NXC-09M10 380V 50/60Hz	836575
9A	3NO	1NO	AC 220V 50/60Hz	NXC-09M10 220V 50/60Hz	836576
9A	3NO	1NO	AC 110V 50/60Hz	NXC-09M10 110V 50/60Hz	836577
9A	3NO	1NO	AC 24V 50/60Hz	NXC-09M10 24V 50/60Hz	836578
9A	3NO	1NO	AC 240V 50/60Hz	NXC-09M10 240V 50/60Hz	956532
9A	3NO	1NO	AC 380V 50/60Hz	NXC-09M10/N 380V 50/60Hz	836623
9A	3NO	1NO	AC 220V 50/60Hz	NXC-09M10/N 220V 50/60Hz	836624
9A	3NO	1NO	AC 110V 50/60Hz	NXC-09M10/N 110V 50/60Hz	836625
9A	3NO	1NO	AC 24V 50/60Hz	NXC-09M10/N 24V 50/60Hz	836626
9A	3NO	1NO	DC 48V	NXC-09M10/Z DC 48V	190574
9A	3NO	1NO	DC 220V	NXC-09M10/Z DC 220V	836658
9A	3NO	1NO	DC 110V	NXC-09M10/Z DC 110V	836659
9A	3NO	1NO	DC 24V	NXC-09M10/Z DC 24V	836660
9A	3NO	1NO	DC 48V	NXC-09M10/Z/N DC 48V	956558
9A	3NO	1NO	DC 220V	NXC-09M10/Z/N DC 220V	956559
9A	3NO	1NO	DC 110V	NXC-09M10/Z/N DC 110V	956560
9A	3NO	1NO	DC 24V	NXC-09M10/Z/N DC 24V	956561
9A	3NO	1NO	DC 24V	NXC-09M10/Z/N DC 24V	956561

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	3NO	1NC	AC 380V 50/60Hz	NXC-12M01 380V 50/60Hz	836591
12A	3NO	1NC	AC 220V 50/60Hz	NXC-12M01 220V 50/60Hz	836592
12A	3NO	1NC	AC 110V 50/60Hz	NXC-12M01 110V 50/60Hz	836593
12A	3NO	1NC	AC 24V 50/60Hz	NXC-12M01 24V 50/60Hz	836594
12A	3NO	1NC	AC 240V 50/60Hz	NXC-12M01 240V 50/60Hz	956536
12A	3NO	1NC	AC 380V 50/60Hz	NXC-12M01/N 380V 50/60Hz	836639
12A	3NO	1NC	AC 220V 50/60Hz	NXC-12M01/N 220V 50/60Hz	836640
12A	3NO	1NC	AC 110V 50/60Hz	NXC-12M01/N 110V 50/60Hz	836641
12A	3NO	1NC	AC 24V 50/60Hz	NXC-12M01/N 24V 50/60Hz	836642
12A	3NO	1NC	DC 48V	NXC-12M01/Z DC 48V	190578
12A	3NO	1NC	DC 220V	NXC-12M01/Z DC 220V	836670
12A	3NO	1NC	DC 110V	NXC-12M01/Z DC 110V	836671
12A	3NO	1NC	DC 24V	NXC-12M01/Z DC 24V	836672
12A	3NO	1NC	DC 48V	NXC-12M01/Z/N DC 48V	956574
12A	3NO	1NC	DC 220V	NXC-12M01/Z/N DC 220V	956575
12A	3NO	1NC	DC 110V	NXC-12M01/Z/N DC 110V	956576
12A	3NO	1NC	DC 24V	NXC-12M01/Z/N DC 24V	956577
12A	3NO	1NO	AC 380V 50/60Hz	NXC-12M10 380V 50/60Hz	836579
12A	3NO	1NO	AC 220V 50/60Hz	NXC-12M10 220V 50/60Hz	836580
12A	3NO	1NO	AC 110V 50/60Hz	NXC-12M10 110V 50/60Hz	836581
12A	3NO	1NO	AC 24V 50/60Hz	NXC-12M10 24V 50/60Hz	836582
12A	3NO	1NO	AC 240V 50/60Hz	NXC-12M10 240V 50/60Hz	956533
12A	3NO	1NO	AC 380V 50/60Hz	NXC-12M10/N 380V 50/60Hz	836627
12A	3NO	1NO	AC 220V 50/60Hz	NXC-12M10/N 220V 50/60Hz	836628
12A	3NO	1NO	AC 110V 50/60Hz	NXC-12M10/N 110V 50/60Hz	836629
12A	3NO	1NO	AC 24V 50/60Hz	NXC-12M10/N 24V 50/60Hz	836630
12A	3NO	1NO	DC 48V	NXC-12M10/Z DC 48V	190575
12A	3NO	1NO	DC 220V	NXC-12M10/Z DC 220V	836661
12A	3NO	1NO	DC 110V	NXC-12M10/Z DC 110V	836662
12A	3NO	1NO	DC 24V	NXC-12M10/Z DC 24V	836663
12A	3NO	1NO	DC 48V	NXC-12M10/Z/N DC 48V	956562
12A	3NO	1NO	DC 220V	NXC-12M10/Z/N DC 220V	956563
12A	3NO	1NO	DC 110V	NXC-12M10/Z/N DC 110V	956564
12A	3NO	1NO	DC 24V	NXC-12M10/Z/N DC 24V	956565

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
16A	3NO	1NC	AC 380V 50/60Hz	NXC-16M01 380V 50/60Hz	171741
16A	3NO	1NC	AC 220V 50/60Hz	NXC-16M01 220V 50/60Hz	171742
16A	3NO	1NC	AC 110V 50/60Hz	NXC-16M01 110V 50/60Hz	171743
16A	3NO	1NC	AC 24V 50/60Hz	NXC-16M01 24V 50/60Hz	171744
16A	3NO	1NC	DC 220V	NXC-16M01/Z DC 220V	171745
16A	3NO	1NC	DC 110V	NXC-16M01/Z DC 110V	171746
16A	3NO	1NC	DC 24V	NXC-16M01/Z DC 24V	171747
16A	3NO	1NO	AC 380V 50/60Hz	NXC-16M10 380V 50/60Hz	171734
16A	3NO	1NO	AC 220V 50/60Hz	NXC-16M10 220V 50/60Hz	171735
16A	3NO	1NO	AC 110V 50/60Hz	NXC-16M10 110V 50/60Hz	171736
16A	3NO	1NO	AC 24V 50/60Hz	NXC-16M10 24V 50/60Hz	171737
16A	3NO	1NO	AC 415V 50/60Hz	NXC-16M10/N 415V 50/60Hz	264587
16A	3NO	1NO	DC 220V	NXC-16M10/Z DC 220V	171738
16A	3NO	1NO	DC 110V	NXC-16M10/Z DC 110V	171739
16A	3NO	1NO	DC 24V	NXC-16M10/Z DC 24V	171740

NXC Mini type Contactor 4P (6~16A)

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
6A	2NO+2NC	-	AC 380V 50/60Hz	NXC-06M/22 380V 50/60Hz	836607
6A	2NO+2NC	-	AC 220V 50/60Hz	NXC-06M/22 220V 50/60Hz	836608
6A	2NO+2NC	-	AC 110V 50/60Hz	NXC-06M/22 110V 50/60Hz	836609
6A	2NO+2NC	-	AC 24V 50/60Hz	NXC-06M/22 24V 50/60Hz	836610
6A	2NO+2NC	-	AC 240V 50/60Hz	NXC-06M/22 240V 50/60Hz	956540
6A	2NO+2NC	-	DC 48V	NXC-06M/22/Z DC 48V	190582
6A	2NO+2NC	-	DC 220V	NXC-06M/22/Z DC 220V	836682
6A	2NO+2NC	-	DC 110V	NXC-06M/22/Z DC 110V	836683
6A	2NO+2NC	-	DC 24V	NXC-06M/22/Z DC 24V	836684
6A	4NO	-	AC 380V 50/60Hz	NXC-06M/4 380V 50/60Hz	836595
6A	4NO	-	AC 220V 50/60Hz	NXC-06M/4 220V 50/60Hz	836596
6A	4NO	-	AC 110V 50/60Hz	NXC-06M/4 110V 50/60Hz	836597
6A	4NO	-	AC 24V 50/60Hz	NXC-06M/4 24V 50/60Hz	836598
6A	4NO	-	AC 240V 50/60Hz	NXC-06M/4 240V 50/60Hz	956537
6A	4NO	-	AC 380V 50/60Hz	NXC-06M/4/N 380V 50/60Hz	836643
6A	4NO	-	AC 220V 50/60Hz	NXC-06M/4/N 220V 50/60Hz	836644
6A	4NO	-	AC 110V 50/60Hz	NXC-06M/4/N 110V 50/60Hz	836645
6A	4NO	-	AC 24V 50/60Hz	NXC-06M/4/N 24V 50/60Hz	836646
6A	4NO	-	DC 48V	NXC-06M/4/Z DC 48V	190579
6A	4NO	-	DC 220V	NXC-06M/4/Z DC 220V	836673
6A	4NO	-	DC 110V	NXC-06M/4/Z DC 110V	836674
6A	4NO	-	DC 24V	NXC-06M/4/Z DC 24V	836675
6A	4NO	-	DC 48V	NXC-06M/4/Z/N DC 48V	956578
6A	4NO	-	DC 220V	NXC-06M/4/Z/N DC 220V	956579
6A	4NO	-	DC 110V	NXC-06M/4/Z/N DC 110V	956580
6A	4NO	-	DC 24V	NXC-06M/4/Z/N DC 24V	956581
9A	2NO+2NC	-	AC 380V 50/60Hz	NXC-09M/22 380V 50/60Hz	836611
9A	2NO+2NC	-	AC 220V 50/60Hz	NXC-09M/22 220V 50/60Hz	836612
9A	2NO+2NC	-	AC 110V 50/60Hz	NXC-09M/22 110V 50/60Hz	836613
9A	2NO+2NC	-	AC 24V 50/60Hz	NXC-09M/22 24V 50/60Hz	836614
9A	2NO+2NC	-	AC 240V 50/60Hz	NXC-09M/22 240V 50/60Hz	956541
9A	2NO+2NC	-	DC 48V	NXC-09M/22/Z DC 48V	190583
9A	2NO+2NC	-	DC 220V	NXC-09M/22/Z DC 220V	836685
9A	2NO+2NC	-	DC 110V	NXC-09M/22/Z DC 110V	836686
9A	2NO+2NC	-	DC 24V	NXC-09M/22/Z DC 24V	836687
9A	4NO	-	AC 380V 50/60Hz	NXC-09M/4 380V 50/60Hz	836599
9A	4NO	-	AC 220V 50/60Hz	NXC-09M/4 220V 50/60Hz	836600
9A	4NO	-	AC 110V 50/60Hz	NXC-09M/4 110V 50/60Hz	836601
9A	4NO	-	AC 24V 50/60Hz	NXC-09M/4 24V 50/60Hz	836602
9A	4NO	-	AC 240V 50/60Hz	NXC-09M/4 240V 50/60Hz	956538
9A	4NO	-	AC 380V 50/60Hz	NXC-09M/4/N 380V 50/60Hz	836647
9A	4NO	-	AC 220V 50/60Hz	NXC-09M/4/N 220V 50/60Hz	836648
9A	4NO	-	AC 110V 50/60Hz	NXC-09M/4/N 110V 50/60Hz	836649
9A	4NO	-	AC 24V 50/60Hz	NXC-09M/4/N 24V 50/60Hz	836650
9A	4NO	-	DC 48V	NXC-09M/4/Z DC 48V	190580
9A	4NO	-	DC 220V	NXC-09M/4/Z DC 220V	836676
9A	4NO	-	DC 110V	NXC-09M/4/Z DC 110V	836677
9A	4NO	-	DC 24V	NXC-09M/4/Z DC 24V	836678
9A	4NO	-	DC 48V	NXC-09M/4/Z/N DC 48V	956582
9A	4NO	-	DC 220V	NXC-09M/4/Z/N DC 220V	956583
9A	4NO	-	DC 110V	NXC-09M/4/Z/N DC 110V	956584
9A	4NO	-	DC 24V	NXC-09M/4/Z/N DC 24V	956585

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	2NO+2NC	-	AC 380V 50/60Hz	NXC-12M/22 380V 50/60Hz	836615
12A	2NO+2NC	-	AC 220V 50/60Hz	NXC-12M/22 220V 50/60Hz	836616
12A	2NO+2NC	-	AC 110V 50/60Hz	NXC-12M/22 110V 50/60Hz	836617
12A	2NO+2NC	-	AC 24V 50/60Hz	NXC-12M/22 24V 50/60Hz	836618
12A	2NO+2NC	-	AC 230V 50/60Hz	NXC-12M/22 230V 50/60Hz	938250
12A	2NO+2NC	-	AC 240V 50/60Hz	NXC-12M/22 240V 50/60Hz	956542
12A	2NO+2NC	-	DC 48V	NXC-12M/22/Z DC 48V	190584
12A	2NO+2NC	-	DC 220V	NXC-12M/22/Z DC 220V	836688
12A	2NO+2NC	-	DC 110V	NXC-12M/22/Z DC 110V	836689
12A	2NO+2NC	-	DC 24V	NXC-12M/22/Z DC 24V	836690
12A	4NO	-	AC 380V 50/60Hz	NXC-12M/4 380V 50/60Hz	836603
12A	4NO	-	AC 220V 50/60Hz	NXC-12M/4 220V 50/60Hz	836604
12A	4NO	-	AC 110V 50/60Hz	NXC-12M/4 110V 50/60Hz	836605
12A	4NO	-	AC 24V 50/60Hz	NXC-12M/4 24V 50/60Hz	836606
12A	4NO	-	AC 240V 50/60Hz	NXC-12M/4 240V 50/60Hz	956539
12A	4NO	-	AC 380V 50/60Hz	NXC-12M/4/N 380V 50/60Hz	836651
12A	4NO	-	AC 220V 50/60Hz	NXC-12M/4/N 220V 50/60Hz	836652
12A	4NO	-	AC 110V 50/60Hz	NXC-12M/4/N 110V 50/60Hz	836653
12A	4NO	-	AC 24V 50/60Hz	NXC-12M/4/N 24V 50/60Hz	836654
12A	4NO	-	DC 48V	NXC-12M/4/Z DC 48V	190581
12A	4NO	-	DC 220V	NXC-12M/4/Z DC 220V	836679
12A	4NO	-	DC 110V	NXC-12M/4/Z DC 110V	836680
12A	4NO	-	DC 24V	NXC-12M/4/Z DC 24V	836681
12A	4NO	-	DC 48V	NXC-12M/4/Z/N DC 48V	956586
12A	4NO	-	DC 220V	NXC-12M/4/Z/N DC 220V	956587
12A	4NO	-	DC 110V	NXC-12M/4/Z/N DC 110V	956588
12A	4NO	-	DC 24V	NXC-12M/4/Z/N DC 24V	956589
12A	4NO	-	DC 110V	NXC-12M/4/Z/N DC 110V	956588
12A	4NO	-	DC 24V	NXC-12M/4/Z/N DC 24V	956589
16A	2NO+2NC	-	AC 380V 50/60Hz	NXC-16M/22 380V 50/60Hz	171755
16A	2NO+2NC	-	AC 220V 50/60Hz	NXC-16M/22 220V 50/60Hz	171756
16A	2NO+2NC	-	AC 110V 50/60Hz	NXC-16M/22 110V 50/60Hz	171757
16A	2NO+2NC	-	AC 24V 50/60Hz	NXC-16M/22 24V 50/60Hz	171758
16A	2NO+2NC	-	DC 220V	NXC-16M/22/Z DC 220V	171759
16A	2NO+2NC	-	DC 110V	NXC-16M/22/Z DC 110V	171760
16A	2NO+2NC	-	DC 24V	NXC-16M/22/Z DC 24V	171761
16A	4NO	-	AC 380V 50/60Hz	NXC-16M/4 380V 50/60Hz	171748
16A	4NO	-	AC 220V 50/60Hz	NXC-16M/4 220V 50/60Hz	171749
16A	4NO	-	AC 110V 50/60Hz	NXC-16M/4 110V 50/60Hz	171750
16A	4NO	-	AC 24V 50/60Hz	NXC-16M/4 24V 50/60Hz	171751
16A	4NO	-	DC 220V	NXC-16M/4/Z DC 220V	171752
16A	4NO	-	DC 110V	NXC-16M/4/Z DC 110V	171753
16A	4NO	-	DC 24V	NXC-16M/4/Z DC 24V	171754

NXC Contactor 6~630A

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
6A	3NO	1NO+1NC	AC 24V 50Hz	NXC-06 24V 50Hz	836691
6A	3NO	1NO+1NC	AC 110V 50Hz	NXC-06 110V 50Hz	836694
6A	3NO	1NO+1NC	AC 127V 50Hz	NXC-06 127V 50Hz	836695
6A	3NO	1NO+1NC	AC 220V 50Hz	NXC-06 220V 50Hz	836696
6A	3NO	1NO+1NC	AC 380V 50Hz	NXC-06 380V 50Hz	836697
6A	3NO	1NO+1NC	AC 415V 50Hz	NXC-06 415V 50Hz	836698
6A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-06 110V 50/60Hz	925281
6A	3NO	1NO+1NC	AC 110V 60Hz	NXC-06 110V 60Hz	925283
6A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-06 127V 50/60Hz	925285
6A	3NO	1NO+1NC	AC 127V 60Hz	NXC-06 127V 60Hz	925287
6A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-06 220V 50/60Hz	925289
6A	3NO	1NO+1NC	AC 220V 60Hz	NXC-06 220V 60Hz	925291
6A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-06 24V 50/60Hz	925293
6A	3NO	1NO+1NC	AC 24V 60Hz	NXC-06 24V 60Hz	925295
6A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-06 380V 50/60Hz	925301
6A	3NO	1NO+1NC	AC 380V 60Hz	NXC-06 380V 60Hz	925303
6A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-06 415V 50/60Hz	925305
6A	3NO	1NO+1NC	AC 415V 60Hz	NXC-06 415V 60Hz	925307
6A	3NO	1NO+1NC	AC 230V 50Hz	NXC-06 230V 50Hz	938705
6A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-06 230V 50/60Hz	938706
6A	3NO	1NO+1NC	AC 230V 60Hz	NXC-06 230V 60Hz	938707
6A	3NO	1NO+1NC	AC 240V 50Hz	NXC-06 240V 50Hz	938729
6A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-06 240V 50/60Hz	938730
6A	3NO	1NO+1NC	AC 240V 60Hz	NXC-06 240V 60Hz	938731
6A	3NO	1NO+1NC	AC 400V 50Hz	NXC-06 400V 50Hz	938777
6A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-06 400V 50/60Hz	938778
6A	3NO	1NO+1NC	AC 400V 60Hz	NXC-06 400V 60Hz	938779
6A	3NO	1NO+1NC	AC 440V 50Hz	NXC-06 440V 50Hz	938801
6A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-06 440V 50/60Hz	938802
6A	3NO	1NO+1NC	AC 440V 60Hz	NXC-06 440V 60Hz	938803

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
6A	3NO	1NO+1NC	AC 24V 50Hz	NXC-06/N 24V 50Hz	836723
6A	3NO	1NO+1NC	AC 110V 50Hz	NXC-06/N 110V 50Hz	836726
6A	3NO	1NO+1NC	AC 127V 50Hz	NXC-06/N 127V 50Hz	836727
6A	3NO	1NO+1NC	AC 220V 50Hz	NXC-06/N 220V 50Hz	836728
6A	3NO	1NO+1NC	AC 380V 50Hz	NXC-06/N 380V 50Hz	836729
6A	3NO	1NO+1NC	AC 415V 50Hz	NXC-06/N 415V 50Hz	836730
6A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-06/N 110V 50/60Hz	925313
6A	3NO	1NO+1NC	AC 110V 60Hz	NXC-06/N 110V 60Hz	925315
6A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-06/N 127V 50/60Hz	925317
6A	3NO	1NO+1NC	AC 127V 60Hz	NXC-06/N 127V 60Hz	925319
6A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-06/N 220V 50/60Hz	925321
6A	3NO	1NO+1NC	AC 220V 60Hz	NXC-06/N 220V 60Hz	925323
6A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-06/N 24V 50/60Hz	925325
6A	3NO	1NO+1NC	AC 24V 60Hz	NXC-06/N 24V 60Hz	925327
6A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-06/N 380V 50/60Hz	925333
6A	3NO	1NO+1NC	AC 380V 60Hz	NXC-06/N 380V 60Hz	925335
6A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-06/N 415V 50/60Hz	925337
6A	3NO	1NO+1NC	AC 415V 60Hz	NXC-06/N 415V 60Hz	925339
6A	3NO	1NO+1NC	AC 230V 50Hz	NXC-06/N 230V 50Hz	938873
6A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-06/N 230V 50/60Hz	938874
6A	3NO	1NO+1NC	AC 230V 60Hz	NXC-06/N 230V 60Hz	938875
6A	3NO	1NO+1NC	AC 240V 50Hz	NXC-06/N 240V 50Hz	938897
6A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-06/N 240V 50/60Hz	938898
6A	3NO	1NO+1NC	AC 240V 60Hz	NXC-06/N 240V 60Hz	938899
6A	3NO	1NO+1NC	AC 400V 50Hz	NXC-06/N 400V 50Hz	938945
6A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-06/N 400V 50/60Hz	938946
6A	3NO	1NO+1NC	AC 400V 60Hz	NXC-06/N 400V 60Hz	938947
6A	3NO	1NO+1NC	AC 440V 50Hz	NXC-06/N 440V 50Hz	938969
6A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-06/N 440V 50/60Hz	938970
6A	3NO	1NO+1NC	AC 440V 60Hz	NXC-06/N 440V 60Hz	938971

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	3NO	1NO+1NC	AC 24V 50Hz	NXC-09 24V 50Hz	836699
9A	3NO	1NO+1NC	AC 110V 50Hz	NXC-09 110V 50Hz	836702
9A	3NO	1NO+1NC	AC 127V 50Hz	NXC-09 127V 50Hz	836703
9A	3NO	1NO+1NC	AC 220V 50Hz	NXC-09 220V 50Hz	836704
9A	3NO	1NO+1NC	AC 380V 50Hz	NXC-09 380V 50Hz	836705
9A	3NO	1NO+1NC	AC 415V 50Hz	NXC-09 415V 50Hz	836706
9A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-09 110V 50/60Hz	925345
9A	3NO	1NO+1NC	AC 110V 60Hz	NXC-09 110V 60Hz	925347
9A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-09 127V 50/60Hz	925349
9A	3NO	1NO+1NC	AC 127V 60Hz	NXC-09 127V 60Hz	925351
9A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-09 220V 50/60Hz	925353
9A	3NO	1NO+1NC	AC 220V 60Hz	NXC-09 220V 60Hz	925355
9A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-09 24V 50/60Hz	925357
9A	3NO	1NO+1NC	AC 24V 60Hz	NXC-09 24V 60Hz	925359
9A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-09 380V 50/60Hz	925365
9A	3NO	1NO+1NC	AC 380V 60Hz	NXC-09 380V 60Hz	925367
9A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-09 415V 50/60Hz	925369
9A	3NO	1NO+1NC	AC 415V 60Hz	NXC-09 415V 60Hz	925371
9A	3NO	1NO+1NC	AC 230V 50Hz	NXC-09 230V 50Hz	938711
9A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-09 230V 50/60Hz	938712
9A	3NO	1NO+1NC	AC 230V 60Hz	NXC-09 230V 60Hz	938713
9A	3NO	1NO+1NC	AC 240V 50Hz	NXC-09 240V 50Hz	938735
9A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-09 240V 50/60Hz	938736
9A	3NO	1NO+1NC	AC 240V 60Hz	NXC-09 240V 60Hz	938737
9A	3NO	1NO+1NC	AC 400V 50Hz	NXC-09 400V 50Hz	938783
9A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-09 400V 50/60Hz	938784
9A	3NO	1NO+1NC	AC 400V 60Hz	NXC-09 400V 60Hz	938785
9A	3NO	1NO+1NC	AC 440V 50Hz	NXC-09 440V 50Hz	938807
9A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-09 440V 50/60Hz	938808
9A	3NO	1NO+1NC	AC 440V 60Hz	NXC-09 440V 60Hz	938809
9A	3NO	1NO+1NC	AC 24V 50Hz	NXC-09/N 24V 50Hz	836731
9A	3NO	1NO+1NC	AC 110V 50Hz	NXC-09/N 110V 50Hz	836734
9A	3NO	1NO+1NC	AC 127V 50Hz	NXC-09/N 127V 50Hz	836735
9A	3NO	1NO+1NC	AC 220V 50Hz	NXC-09/N 220V 50Hz	836736
9A	3NO	1NO+1NC	AC 380V 50Hz	NXC-09/N 380V 50Hz	836737
9A	3NO	1NO+1NC	AC 415V 50Hz	NXC-09/N 415V 50Hz	836738
9A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-09/N 110V 50/60Hz	925377
9A	3NO	1NO+1NC	AC 110V 60Hz	NXC-09/N 110V 60Hz	925379
9A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-09/N 127V 50/60Hz	925381
9A	3NO	1NO+1NC	AC 127V 60Hz	NXC-09/N 127V 60Hz	925383
9A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-09/N 220V 50/60Hz	925385
9A	3NO	1NO+1NC	AC 220V 60Hz	NXC-09/N 220V 60Hz	925387

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-09/N 24V 50/60Hz	925389
9A	3NO	1NO+1NC	AC 24V 60Hz	NXC-09/N 24V 60Hz	925391
9A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-09/N 380V 50/60Hz	925397
9A	3NO	1NO+1NC	AC 380V 60Hz	NXC-09/N 380V 60Hz	925399
9A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-09/N 415V 50/60Hz	925401
9A	3NO	1NO+1NC	AC 415V 60Hz	NXC-09/N 415V 60Hz	925403
9A	3NO	1NO+1NC	AC 230V 50Hz	NXC-09/N 230V 50Hz	938879
9A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-09/N 230V 50/60Hz	938880
9A	3NO	1NO+1NC	AC 230V 60Hz	NXC-09/N 230V 60Hz	938881
9A	3NO	1NO+1NC	AC 240V 50Hz	NXC-09/N 240V 50Hz	938903
9A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-09/N 240V 50/60Hz	938904
9A	3NO	1NO+1NC	AC 240V 60Hz	NXC-09/N 240V 60Hz	938905
9A	3NO	1NO+1NC	AC 400V 50Hz	NXC-09/N 400V 50Hz	938951
9A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-09/N 400V 50/60Hz	938952
9A	3NO	1NO+1NC	AC 400V 60Hz	NXC-09/N 400V 60Hz	938953
9A	3NO	1NO+1NC	AC 440V 50Hz	NXC-09/N 440V 50Hz	938975
9A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-09/N 440V 50/60Hz	938976
9A	3NO	1NO+1NC	AC 440V 60Hz	NXC-09/N 440V 60Hz	938977
9A	2NO+2NC	-	AC 415V 60Hz	NXC-09/22 415V 60Hz	301845
9A	2NO+2NC	-	AC 380V 50/60Hz	NXC-09/22 380V 50/60Hz	301856
9A	2NO+2NC	-	AC 24V 60Hz	NXC-09/22 24V 60Hz	301861
9A	2NO+2NC	-	AC 127V 50/60Hz	NXC-09/22 127V 50/60Hz	301865
9A	2NO+2NC	-	AC 415V 50/60Hz	NXC-09/22 415V 50/60Hz	301882
9A	2NO+2NC	-	AC 24V 50/60Hz	NXC-09/22 24V 50/60Hz	301905
9A	2NO+2NC	-	AC 127V 60Hz	NXC-09/22 127V 60Hz	301911
9A	2NO+2NC	-	AC 110V 60Hz	NXC-09/22 110V 60Hz	301916
9A	2NO+2NC	-	AC 220V 60Hz	NXC-09/22 220V 60Hz	301919
9A	2NO+2NC	-	AC 110V 50/60Hz	NXC-09/22 110V 50/60Hz	301926
9A	2NO+2NC	-	AC 220V 50/60Hz	NXC-09/22 220V 50/60Hz	301933
9A	2NO+2NC	-	AC 380V 60Hz	NXC-09/22 380V 60Hz	301938
9A	4NO	-	AC 380V 50/60Hz	NXC-09/4 380V 50/60Hz	301850
9A	4NO	-	AC 380V 60Hz	NXC-09/4 380V 60Hz	301866
9A	4NO	-	AC 127V 50/60Hz	NXC-09/4 127V 50/60Hz	301871
9A	4NO	-	AC 220V 60Hz	NXC-09/4 220V 60Hz	301874
9A	4NO	-	AC 24V 60Hz	NXC-09/4 24V 60Hz	301878
9A	4NO	-	AC 415V 50/60Hz	NXC-09/4 415V 50/60Hz	301886
9A	4NO	-	AC 127V 60Hz	NXC-09/4 127V 60Hz	301894
9A	4NO	-	AC 220V 50/60Hz	NXC-09/4 220V 50/60Hz	301898
9A	4NO	-	AC 110V 60Hz	NXC-09/4 110V 60Hz	301909
9A	4NO	-	AC 110V 50/60Hz	NXC-09/4 110V 50/60Hz	301915
9A	4NO	-	AC 415V 60Hz	NXC-09/4 415V 60Hz	301927
9A	4NO	-	AC 24V 50/60Hz	NXC-09/4 24V 50/60Hz	301940

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	3NO	1NO+1NC	AC 24V 50Hz	NXC-12 24V 50Hz	836707
12A	3NO	1NO+1NC	AC 110V 50Hz	NXC-12 110V 50Hz	836710
12A	3NO	1NO+1NC	AC 127V 50Hz	NXC-12 127V 50Hz	836711
12A	3NO	1NO+1NC	AC 220V 50Hz	NXC-12 220V 50Hz	836712
12A	3NO	1NO+1NC	AC 380V 50Hz	NXC-12 380V 50Hz	836713
12A	3NO	1NO+1NC	AC 415V 50Hz	NXC-12 415V 50Hz	836714
12A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-12 110V 50/60Hz	925471
12A	3NO	1NO+1NC	AC 110V 60Hz	NXC-12 110V 60Hz	925473
12A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-12 127V 50/60Hz	925475
12A	3NO	1NO+1NC	AC 127V 60Hz	NXC-12 127V 60Hz	925477
12A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-12 220V 50/60Hz	925479
12A	3NO	1NO+1NC	AC 220V 60Hz	NXC-12 220V 60Hz	925481
12A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-12 24V 50/60Hz	925483
12A	3NO	1NO+1NC	AC 24V 60Hz	NXC-12 24V 60Hz	925485
12A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-12 380V 50/60Hz	925491
12A	3NO	1NO+1NC	AC 380V 60Hz	NXC-12 380V 60Hz	925493
12A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-12 415V 50/60Hz	925495
12A	3NO	1NO+1NC	AC 415V 60Hz	NXC-12 415V 60Hz	925497
12A	3NO	1NO+1NC	AC 230V 50Hz	NXC-12 230V 50Hz	938717
12A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-12 230V 50/60Hz	938718
12A	3NO	1NO+1NC	AC 230V 60Hz	NXC-12 230V 60Hz	938719
12A	3NO	1NO+1NC	AC 240V 50Hz	NXC-12 240V 50Hz	938741
12A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-12 240V 50/60Hz	938742
12A	3NO	1NO+1NC	AC 240V 60Hz	NXC-12 240V 60Hz	938743
12A	3NO	1NO+1NC	AC 400V 50Hz	NXC-12 400V 50Hz	938789
12A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-12 400V 50/60Hz	938790
12A	3NO	1NO+1NC	AC 400V 60Hz	NXC-12 400V 60Hz	938791
12A	3NO	1NO+1NC	AC 440V 50Hz	NXC-12 440V 50Hz	938813
12A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-12 440V 50/60Hz	938814
12A	3NO	1NO+1NC	AC 440V 60Hz	NXC-12 440V 60Hz	938815
12A	3NO	1NO+1NC	AC 24V 50Hz	NXC-12/N 24V 50Hz	836739
12A	3NO	1NO+1NC	AC 110V 50Hz	NXC-12/N 110V 50Hz	836742
12A	3NO	1NO+1NC	AC 127V 50Hz	NXC-12/N 127V 50Hz	836743
12A	3NO	1NO+1NC	AC 220V 50Hz	NXC-12/N 220V 50Hz	836744
12A	3NO	1NO+1NC	AC 380V 50Hz	NXC-12/N 380V 50Hz	836745
12A	3NO	1NO+1NC	AC 415V 50Hz	NXC-12/N 415V 50Hz	836746
12A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-12/N 110V 50/60Hz	925503
12A	3NO	1NO+1NC	AC 110V 60Hz	NXC-12/N 110V 60Hz	925505
12A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-12/N 127V 50/60Hz	925507
12A	3NO	1NO+1NC	AC 127V 60Hz	NXC-12/N 127V 60Hz	925509
12A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-12/N 220V 50/60Hz	925511
12A	3NO	1NO+1NC	AC 220V 60Hz	NXC-12/N 220V 60Hz	925513

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-12/N 24V 50/60Hz	925515
12A	3NO	1NO+1NC	AC 24V 60Hz	NXC-12/N 24V 60Hz	925517
12A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-12/N 380V 50/60Hz	925523
12A	3NO	1NO+1NC	AC 380V 60Hz	NXC-12/N 380V 60Hz	925525
12A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-12/N 415V 50/60Hz	925527
12A	3NO	1NO+1NC	AC 415V 60Hz	NXC-12/N 415V 60Hz	925529
12A	3NO	1NO+1NC	AC 230V 50Hz	NXC-12/N 230V 50Hz	938885
12A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-12/N 230V 50/60Hz	938886
12A	3NO	1NO+1NC	AC 230V 60Hz	NXC-12/N 230V 60Hz	938887
12A	3NO	1NO+1NC	AC 240V 50Hz	NXC-12/N 240V 50Hz	938909
12A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-12/N 240V 50/60Hz	938910
12A	3NO	1NO+1NC	AC 240V 60Hz	NXC-12/N 240V 60Hz	938911
12A	3NO	1NO+1NC	AC 400V 50Hz	NXC-12/N 400V 50Hz	938957
12A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-12/N 400V 50/60Hz	938958
12A	3NO	1NO+1NC	AC 400V 60Hz	NXC-12/N 400V 60Hz	938959
12A	3NO	1NO+1NC	AC 440V 50Hz	NXC-12/N 440V 50Hz	938981
12A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-12/N 440V 50/60Hz	938982
12A	3NO	1NO+1NC	AC 440V 60Hz	NXC-12/N 440V 60Hz	938983
12A	2NO+2NC	-	AC 380V 50/60Hz	NXC-12/22 380V 50/60Hz	301851
12A	2NO+2NC	-	AC 24V 60Hz	NXC-12/22 24V 60Hz	301852
12A	2NO+2NC	-	AC 127V 60Hz	NXC-12/22 127V 60Hz	301873
12A	2NO+2NC	-	AC 127V 50/60Hz	NXC-12/22 127V 50/60Hz	301879
12A	2NO+2NC	-	AC 110V 50/60Hz	NXC-12/22 110V 50/60Hz	301884
12A	2NO+2NC	-	AC 415V 60Hz	NXC-12/22 415V 60Hz	301891
12A	2NO+2NC	-	AC 220V 50/60Hz	NXC-12/22 220V 50/60Hz	301892
12A	2NO+2NC	-	AC 380V 60Hz	NXC-12/22 380V 60Hz	301897
12A	2NO+2NC	-	AC 415V 50/60Hz	NXC-12/22 415V 50/60Hz	301902
12A	2NO+2NC	-	AC 110V 60Hz	NXC-12/22 110V 60Hz	301904
12A	2NO+2NC	-	AC 24V 50/60Hz	NXC-12/22 24V 50/60Hz	301921
12A	2NO+2NC	-	AC 220V 60Hz	NXC-12/22 220V 60Hz	301932
12A	4NO	-	AC 220V 60Hz	NXC-12/4 220V 60Hz	301847
12A	4NO	-	AC 127V 50/60Hz	NXC-12/4 127V 50/60Hz	301855
12A	4NO	-	AC 110V 60Hz	NXC-12/4 110V 60Hz	301867
12A	4NO	-	AC 415V 50/60Hz	NXC-12/4 415V 50/60Hz	301869
12A	4NO	-	AC 24V 60Hz	NXC-12/4 24V 60Hz	301887
12A	4NO	-	AC 220V 50/60Hz	NXC-12/4 220V 50/60Hz	301895
12A	4NO	-	AC 380V 50/60Hz	NXC-12/4 380V 50/60Hz	301903
12A	4NO	-	AC 380V 60Hz	NXC-12/4 380V 60Hz	301907
12A	4NO	-	AC 127V 60Hz	NXC-12/4 127V 60Hz	301908
12A	4NO	-	AC 415V 60Hz	NXC-12/4 415V 60Hz	301910
12A	4NO	-	AC 24V 50/60Hz	NXC-12/4 24V 50/60Hz	301931
12A	4NO	-	AC 110V 50/60Hz	NXC-12/4 110V 50/60Hz	301934

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
16A	3NO	1NO+1NC	AC 24V 50Hz	NXC-16 24V 50Hz	836715
16A	3NO	1NO+1NC	AC 110V 50Hz	NXC-16 110V 50Hz	836718
16A	3NO	1NO+1NC	AC 127V 50Hz	NXC-16 127V 50Hz	836719
16A	3NO	1NO+1NC	AC 220V 50Hz	NXC-16 220V 50Hz	836720
16A	3NO	1NO+1NC	AC 380V 50Hz	NXC-16 380V 50Hz	836721
16A	3NO	1NO+1NC	AC 415V 50Hz	NXC-16 415V 50Hz	836722
16A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-16 110V 50/60Hz	925535
16A	3NO	1NO+1NC	AC 110V 60Hz	NXC-16 110V 60Hz	925537
16A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-16 127V 50/60Hz	925539
16A	3NO	1NO+1NC	AC 127V 60Hz	NXC-16 127V 60Hz	925541
16A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-16 220V 50/60Hz	925543
16A	3NO	1NO+1NC	AC 220V 60Hz	NXC-16 220V 60Hz	925545
16A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-16 24V 50/60Hz	925547
16A	3NO	1NO+1NC	AC 24V 60Hz	NXC-16 24V 60Hz	925549
16A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-16 380V 50/60Hz	925555
16A	3NO	1NO+1NC	AC 380V 60Hz	NXC-16 380V 60Hz	925557
16A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-16 415V 50/60Hz	925559
16A	3NO	1NO+1NC	AC 415V 60Hz	NXC-16 415V 60Hz	925561
16A	3NO	1NO+1NC	AC 230V 50Hz	NXC-16 230V 50Hz	938723
16A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-16 230V 50/60Hz	938724
16A	3NO	1NO+1NC	AC 230V 60Hz	NXC-16 230V 60Hz	938725
16A	3NO	1NO+1NC	AC 240V 50Hz	NXC-16 240V 50Hz	938747
16A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-16 240V 50/60Hz	938748
16A	3NO	1NO+1NC	AC 240V 60Hz	NXC-16 240V 60Hz	938749
16A	3NO	1NO+1NC	AC 400V 50Hz	NXC-16 400V 50Hz	938795
16A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-16 400V 50/60Hz	938796
16A	3NO	1NO+1NC	AC 400V 60Hz	NXC-16 400V 60Hz	938797
16A	3NO	1NO+1NC	AC 440V 50Hz	NXC-16 440V 50Hz	938819
16A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-16 440V 50/60Hz	938820
16A	3NO	1NO+1NC	AC 440V 60Hz	NXC-16 440V 60Hz	938821

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
16A	3NO	1NO+1NC	AC 24V 50Hz	NXC-16/N 24V 50Hz	836747
16A	3NO	1NO+1NC	AC 110V 50Hz	NXC-16/N 110V 50Hz	836750
16A	3NO	1NO+1NC	AC 127V 50Hz	NXC-16/N 127V 50Hz	836751
16A	3NO	1NO+1NC	AC 220V 50Hz	NXC-16/N 220V 50Hz	836752
16A	3NO	1NO+1NC	AC 380V 50Hz	NXC-16/N 380V 50Hz	836753
16A	3NO	1NO+1NC	AC 415V 50Hz	NXC-16/N 415V 50Hz	836754
16A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-16/N 110V 50/60Hz	925567
16A	3NO	1NO+1NC	AC 110V 60Hz	NXC-16/N 110V 60Hz	925569
16A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-16/N 127V 50/60Hz	925571
16A	3NO	1NO+1NC	AC 127V 60Hz	NXC-16/N 127V 60Hz	925573
16A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-16/N 220V 50/60Hz	925575
16A	3NO	1NO+1NC	AC 220V 60Hz	NXC-16/N 220V 60Hz	925577
16A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-16/N 24V 50/60Hz	925579
16A	3NO	1NO+1NC	AC 24V 60Hz	NXC-16/N 24V 60Hz	925581
16A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-16/N 380V 50/60Hz	925587
16A	3NO	1NO+1NC	AC 380V 60Hz	NXC-16/N 380V 60Hz	925589
16A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-16/N 415V 50/60Hz	925591
16A	3NO	1NO+1NC	AC 415V 60Hz	NXC-16/N 415V 60Hz	925593
16A	3NO	1NO+1NC	AC 230V 50Hz	NXC-16/N 230V 50Hz	938891
16A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-16/N 230V 50/60Hz	938892
16A	3NO	1NO+1NC	AC 230V 60Hz	NXC-16/N 230V 60Hz	938893
16A	3NO	1NO+1NC	AC 240V 50Hz	NXC-16/N 240V 50Hz	938915
16A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-16/N 240V 50/60Hz	938916
16A	3NO	1NO+1NC	AC 240V 60Hz	NXC-16/N 240V 60Hz	938917
16A	3NO	1NO+1NC	AC 400V 50Hz	NXC-16/N 400V 50Hz	938963
16A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-16/N 400V 50/60Hz	938964
16A	3NO	1NO+1NC	AC 400V 60Hz	NXC-16/N 400V 60Hz	938965
16A	3NO	1NO+1NC	AC 440V 50Hz	NXC-16/N 440V 50Hz	938987
16A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-16/N 440V 50/60Hz	938988
16A	3NO	1NO+1NC	AC 440V 60Hz	NXC-16/N 440V 60Hz	938989

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
18A	3NO	1NO+1NC	AC 24V 50Hz	NXC-18 24V 50Hz	836899
18A	3NO	1NO+1NC	AC 110V 50Hz	NXC-18 110V 50Hz	836902
18A	3NO	1NO+1NC	AC 127V 50Hz	NXC-18 127V 50Hz	836903
18A	3NO	1NO+1NC	AC 220V 50Hz	NXC-18 220V 50Hz	836904
18A	3NO	1NO+1NC	AC 380V 50Hz	NXC-18 380V 50Hz	836905
18A	3NO	1NO+1NC	AC 415V 50Hz	NXC-18 415V 50Hz	836906
18A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-18 110V 50/60Hz	925599
18A	3NO	1NO+1NC	AC 110V 60Hz	NXC-18 110V 60Hz	925601
18A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-18 127V 50/60Hz	925603
18A	3NO	1NO+1NC	AC 127V 60Hz	NXC-18 127V 60Hz	925605
18A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-18 220V 50/60Hz	925607
18A	3NO	1NO+1NC	AC 220V 60Hz	NXC-18 220V 60Hz	925609
18A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-18 24V 50/60Hz	925611
18A	3NO	1NO+1NC	AC 24V 60Hz	NXC-18 24V 60Hz	925613
18A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-18 380V 50/60Hz	925619
18A	3NO	1NO+1NC	AC 380V 60Hz	NXC-18 380V 60Hz	925621
18A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-18 415V 50/60Hz	925623
18A	3NO	1NO+1NC	AC 415V 60Hz	NXC-18 415V 60Hz	925625
18A	3NO	1NO+1NC	AC 230V 50Hz	NXC-18 230V 50Hz	938525
18A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-18 230V 50/60Hz	938526
18A	3NO	1NO+1NC	AC 230V 60Hz	NXC-18 230V 60Hz	938527
18A	3NO	1NO+1NC	AC 240V 50Hz	NXC-18 240V 50Hz	938537
18A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-18 240V 50/60Hz	938538
18A	3NO	1NO+1NC	AC 240V 60Hz	NXC-18 240V 60Hz	938539
18A	3NO	1NO+1NC	AC 400V 50Hz	NXC-18 400V 50Hz	938561
18A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-18 400V 50/60Hz	938562
18A	3NO	1NO+1NC	AC 400V 60Hz	NXC-18 400V 60Hz	938563
18A	3NO	1NO+1NC	AC 440V 50Hz	NXC-18 440V 50Hz	938573
18A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-18 440V 50/60Hz	938574
18A	3NO	1NO+1NC	AC 440V 60Hz	NXC-18 440V 60Hz	938575

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
18A	3NO	1NO+1NC	AC 24V 50Hz	NXC-18/N 24V 50Hz	836915
18A	3NO	1NO+1NC	AC 110V 50Hz	NXC-18/N 110V 50Hz	836918
18A	3NO	1NO+1NC	AC 127V 50Hz	NXC-18/N 127V 50Hz	836919
18A	3NO	1NO+1NC	AC 220V 50Hz	NXC-18/N 220V 50Hz	836920
18A	3NO	1NO+1NC	AC 380V 50Hz	NXC-18/N 380V 50Hz	836921
18A	3NO	1NO+1NC	AC 415V 50Hz	NXC-18/N 415V 50Hz	836922
18A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-18/N 110V 50/60Hz	925631
18A	3NO	1NO+1NC	AC 110V 60Hz	NXC-18/N 110V 60Hz	925633
18A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-18/N 127V 50/60Hz	925635
18A	3NO	1NO+1NC	AC 127V 60Hz	NXC-18/N 127V 60Hz	925637
18A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-18/N 220V 50/60Hz	925639
18A	3NO	1NO+1NC	AC 220V 60Hz	NXC-18/N 220V 60Hz	925641
18A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-18/N 24V 50/60Hz	925643
18A	3NO	1NO+1NC	AC 24V 60Hz	NXC-18/N 24V 60Hz	925645
18A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-18/N 380V 50/60Hz	925651
18A	3NO	1NO+1NC	AC 380V 60Hz	NXC-18/N 380V 60Hz	925653
18A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-18/N 415V 50/60Hz	925655
18A	3NO	1NO+1NC	AC 415V 60Hz	NXC-18/N 415V 60Hz	925657
18A	3NO	1NO+1NC	AC 230V 50Hz	NXC-18/N 230V 50Hz	938609
18A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-18/N 230V 50/60Hz	938610
18A	3NO	1NO+1NC	AC 230V 60Hz	NXC-18/N 230V 60Hz	938611
18A	3NO	1NO+1NC	AC 240V 50Hz	NXC-18/N 240V 50Hz	938621
18A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-18/N 240V 50/60Hz	938622
18A	3NO	1NO+1NC	AC 240V 60Hz	NXC-18/N 240V 60Hz	938623
18A	3NO	1NO+1NC	AC 400V 50Hz	NXC-18/N 400V 50Hz	938645
18A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-18/N 400V 50/60Hz	938646
18A	3NO	1NO+1NC	AC 400V 60Hz	NXC-18/N 400V 60Hz	938647
18A	3NO	1NO+1NC	AC 440V 50Hz	NXC-18/N 440V 50Hz	938657
18A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-18/N 440V 50/60Hz	938658
18A	3NO	1NO+1NC	AC 440V 60Hz	NXC-18/N 440V 60Hz	938659

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
22A	3NO	1NO+1NC	AC 24V 50Hz	NXC-22 24V 50Hz	836907
22A	3NO	1NO+1NC	AC 110V 50Hz	NXC-22 110V 50Hz	836910
22A	3NO	1NO+1NC	AC 127V 50Hz	NXC-22 127V 50Hz	836911
22A	3NO	1NO+1NC	AC 220V 50Hz	NXC-22 220V 50Hz	836912
22A	3NO	1NO+1NC	AC 380V 50Hz	NXC-22 380V 50Hz	836913
22A	3NO	1NO+1NC	AC 415V 50Hz	NXC-22 415V 50Hz	836914
22A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-22 110V 50/60Hz	925663
22A	3NO	1NO+1NC	AC 110V 60Hz	NXC-22 110V 60Hz	925665
22A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-22 127V 50/60Hz	925667
22A	3NO	1NO+1NC	AC 127V 60Hz	NXC-22 127V 60Hz	925669
22A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-22 220V 50/60Hz	925671
22A	3NO	1NO+1NC	AC 220V 60Hz	NXC-22 220V 60Hz	925673
22A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-22 24V 50/60Hz	925675
22A	3NO	1NO+1NC	AC 24V 60Hz	NXC-22 24V 60Hz	925677
22A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-22 380V 50/60Hz	925683
22A	3NO	1NO+1NC	AC 380V 60Hz	NXC-22 380V 60Hz	925685
22A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-22 415V 50/60Hz	925687
22A	3NO	1NO+1NC	AC 415V 60Hz	NXC-22 415V 60Hz	925689
22A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-22 230V 50/60Hz	938249
22A	3NO	1NO+1NC	AC 230V 50Hz	NXC-22 230V 50Hz	938531
22A	3NO	1NO+1NC	AC 230V 60Hz	NXC-22 230V 60Hz	938533
22A	3NO	1NO+1NC	AC 240V 50Hz	NXC-22 240V 50Hz	938543
22A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-22 240V 50/60Hz	938544
22A	3NO	1NO+1NC	AC 240V 60Hz	NXC-22 240V 60Hz	938545
22A	3NO	1NO+1NC	AC 400V 50Hz	NXC-22 400V 50Hz	938567
22A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-22 400V 50/60Hz	938568
22A	3NO	1NO+1NC	AC 400V 60Hz	NXC-22 400V 60Hz	938569
22A	3NO	1NO+1NC	AC 440V 50Hz	NXC-22 440V 50Hz	938579
22A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-22 440V 50/60Hz	938580
22A	3NO	1NO+1NC	AC 440V 60Hz	NXC-22 440V 60Hz	938581

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
22A	3NO	1NO+1NC	AC 24V 50Hz	NXC-22/N 24V 50Hz	836923
22A	3NO	1NO+1NC	AC 110V 50Hz	NXC-22/N 110V 50Hz	836926
22A	3NO	1NO+1NC	AC 127V 50Hz	NXC-22/N 127V 50Hz	836927
22A	3NO	1NO+1NC	AC 220V 50Hz	NXC-22/N 220V 50Hz	836928
22A	3NO	1NO+1NC	AC 380V 50Hz	NXC-22/N 380V 50Hz	836929
22A	3NO	1NO+1NC	AC 415V 50Hz	NXC-22/N 415V 50Hz	836930
22A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-22/N 110V 50/60Hz	925695
22A	3NO	1NO+1NC	AC 110V 60Hz	NXC-22/N 110V 60Hz	925697
22A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-22/N 127V 50/60Hz	925699
22A	3NO	1NO+1NC	AC 127V 60Hz	NXC-22/N 127V 60Hz	925701
22A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-22/N 220V 50/60Hz	925703
22A	3NO	1NO+1NC	AC 220V 60Hz	NXC-22/N 220V 60Hz	925705
22A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-22/N 24V 50/60Hz	925707
22A	3NO	1NO+1NC	AC 24V 60Hz	NXC-22/N 24V 60Hz	925709
22A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-22/N 380V 50/60Hz	925715
22A	3NO	1NO+1NC	AC 380V 60Hz	NXC-22/N 380V 60Hz	925717
22A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-22/N 415V 50/60Hz	925719
22A	3NO	1NO+1NC	AC 415V 60Hz	NXC-22/N 415V 60Hz	925721
22A	3NO	1NO+1NC	AC 230V 50Hz	NXC-22/N 230V 50Hz	938615
22A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-22/N 230V 50/60Hz	938616
22A	3NO	1NO+1NC	AC 230V 60Hz	NXC-22/N 230V 60Hz	938617
22A	3NO	1NO+1NC	AC 240V 50Hz	NXC-22/N 240V 50Hz	938627
22A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-22/N 240V 50/60Hz	938628
22A	3NO	1NO+1NC	AC 240V 60Hz	NXC-22/N 240V 60Hz	938629
22A	3NO	1NO+1NC	AC 400V 50Hz	NXC-22/N 400V 50Hz	938651
22A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-22/N 400V 50/60Hz	938652
22A	3NO	1NO+1NC	AC 400V 60Hz	NXC-22/N 400V 60Hz	938653
22A	3NO	1NO+1NC	AC 440V 50Hz	NXC-22/N 440V 50Hz	938663
22A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-22/N 440V 50/60Hz	938664
22A	3NO	1NO+1NC	AC 440V 60Hz	NXC-22/N 440V 60Hz	938665

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3NO	1NO+1NC	AC 220V 50Hz	NXC-25 220V 50Hz	836851
25A	3NO	1NO+1NC	AC 380V 50Hz	NXC-25 380V 50Hz	836857
25A	3NO	1NO+1NC	AC 24V 50Hz	NXC-25 24V 50Hz	836863
25A	3NO	1NO+1NC	AC 110V 50Hz	NXC-25 110V 50Hz	836881
25A	3NO	1NO+1NC	AC 127V 50Hz	NXC-25 127V 50Hz	836887
25A	3NO	1NO+1NC	AC 415V 50Hz	NXC-25 415V 50Hz	836893
25A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-25 110V 50/60Hz	925727
25A	3NO	1NO+1NC	AC 110V 60Hz	NXC-25 110V 60Hz	925729
25A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-25 127V 50/60Hz	925731
25A	3NO	1NO+1NC	AC 127V 60Hz	NXC-25 127V 60Hz	925733
25A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-25 220V 50/60Hz	925735
25A	3NO	1NO+1NC	AC 220V 60Hz	NXC-25 220V 60Hz	925737
25A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-25 24V 50/60Hz	925739
25A	3NO	1NO+1NC	AC 24V 60Hz	NXC-25 24V 60Hz	925741
25A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-25 380V 50/60Hz	925747
25A	3NO	1NO+1NC	AC 380V 60Hz	NXC-25 380V 60Hz	925749
25A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-25 415V 50/60Hz	925751
25A	3NO	1NO+1NC	AC 415V 60Hz	NXC-25 415V 60Hz	925753
25A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-25 230V 50/60Hz	938244
25A	3NO	1NO+1NC	AC 230V 50Hz	NXC-25 230V 50Hz	938281
25A	3NO	1NO+1NC	AC 230V 60Hz	NXC-25 230V 60Hz	938282
25A	3NO	1NO+1NC	AC 240V 50Hz	NXC-25 240V 50Hz	938297
25A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-25 240V 50/60Hz	938298
25A	3NO	1NO+1NC	AC 240V 60Hz	NXC-25 240V 60Hz	938299
25A	3NO	1NO+1NC	AC 400V 50Hz	NXC-25 400V 50Hz	938333
25A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-25 400V 50/60Hz	938334
25A	3NO	1NO+1NC	AC 400V 60Hz	NXC-25 400V 60Hz	938335
25A	3NO	1NO+1NC	AC 440V 50Hz	NXC-25 440V 50Hz	938351
25A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-25 440V 50/60Hz	938352
25A	3NO	1NO+1NC	AC 440V 60Hz	NXC-25 440V 60Hz	938353
25A	3NO	1NO+1NC	AC 220V 50Hz	NXC-25/N 220V 50Hz	836854
25A	3NO	1NO+1NC	AC 380V 50Hz	NXC-25/N 380V 50Hz	836860
25A	3NO	1NO+1NC	AC 24V 50Hz	NXC-25/N 24V 50Hz	836866
25A	3NO	1NO+1NC	AC 110V 50Hz	NXC-25/N 110V 50Hz	836884
25A	3NO	1NO+1NC	AC 127V 50Hz	NXC-25/N 127V 50Hz	836890
25A	3NO	1NO+1NC	AC 415V 50Hz	NXC-25/N 415V 50Hz	836896
25A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-25/N 110V 50/60Hz	925759
25A	3NO	1NO+1NC	AC 110V 60Hz	NXC-25/N 110V 60Hz	925761
25A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-25/N 127V 50/60Hz	925763
25A	3NO	1NO+1NC	AC 127V 60Hz	NXC-25/N 127V 60Hz	925765
25A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-25/N 220V 50/60Hz	925767
25A	3NO	1NO+1NC	AC 220V 60Hz	NXC-25/N 220V 60Hz	925769

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-25/N 24V 50/60Hz	925771
25A	3NO	1NO+1NC	AC 24V 60Hz	NXC-25/N 24V 60Hz	925773
25A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-25/N 380V 50/60Hz	925779
25A	3NO	1NO+1NC	AC 380V 60Hz	NXC-25/N 380V 60Hz	925781
25A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-25/N 415V 50/60Hz	925783
25A	3NO	1NO+1NC	AC 415V 60Hz	NXC-25/N 415V 60Hz	925785
25A	3NO	1NO+1NC	AC 230V 50Hz	NXC-25/N 230V 50Hz	938405
25A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-25/N 230V 50/60Hz	938406
25A	3NO	1NO+1NC	AC 230V 60Hz	NXC-25/N 230V 60Hz	938407
25A	3NO	1NO+1NC	AC 240V 50Hz	NXC-25/N 240V 50Hz	938423
25A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-25/N 240V 50/60Hz	938424
25A	3NO	1NO+1NC	AC 240V 60Hz	NXC-25/N 240V 60Hz	938425
25A	3NO	1NO+1NC	AC 400V 50Hz	NXC-25/N 400V 50Hz	938459
25A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-25/N 400V 50/60Hz	938460
25A	3NO	1NO+1NC	AC 400V 60Hz	NXC-25/N 400V 60Hz	938461
25A	3NO	1NO+1NC	AC 440V 50Hz	NXC-25/N 440V 50Hz	938477
25A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-25/N 440V 50/60Hz	938478
25A	3NO	1NO+1NC	AC 440V 60Hz	NXC-25/N 440V 60Hz	938479
25A	2NO+2NC	-	AC 415V 60Hz	NXC-25/22 415V 60Hz	301853
25A	2NO+2NC	-	AC 380V 60Hz	NXC-25/22 380V 60Hz	301858
25A	2NO+2NC	-	AC 127V 60Hz	NXC-25/22 127V 60Hz	301864
25A	2NO+2NC	-	AC 220V 60Hz	NXC-25/22 220V 60Hz	301870
25A	2NO+2NC	-	AC 380V 50/60Hz	NXC-25/22 380V 50/60Hz	301880
25A	2NO+2NC	-	AC 127V 50/60Hz	NXC-25/22 127V 50/60Hz	301883
25A	2NO+2NC	-	AC 24V 60Hz	NXC-25/22 24V 60Hz	301885
25A	2NO+2NC	-	AC 220V 50/60Hz	NXC-25/22 220V 50/60Hz	301900
25A	2NO+2NC	-	AC 110V 50/60Hz	NXC-25/22 110V 50/60Hz	301913
25A	2NO+2NC	-	AC 24V 50/60Hz	NXC-25/22 24V 50/60Hz	301920
25A	2NO+2NC	-	AC 110V 60Hz	NXC-25/22 110V 60Hz	301925
25A	2NO+2NC	-	AC 415V 50/60Hz	NXC-25/22 415V 50/60Hz	301930
25A	4NO	-	AC 415V 50/60Hz	NXC-25/4 415V 50/60Hz	301848
25A	4NO	-	AC 127V 60Hz	NXC-25/4 127V 60Hz	301862
25A	4NO	-	AC 380V 60Hz	NXC-25/4 380V 60Hz	301863
25A	4NO	-	AC 415V 60Hz	NXC-25/4 415V 60Hz	301872
25A	4NO	-	AC 127V 50/60Hz	NXC-25/4 127V 50/60Hz	301876
25A	4NO	-	AC 220V 50/60Hz	NXC-25/4 220V 50/60Hz	301877
25A	4NO	-	AC 24V 50/60Hz	NXC-25/4 24V 50/60Hz	301914
25A	4NO	-	AC 110V 50/60Hz	NXC-25/4 110V 50/60Hz	301922
25A	4NO	-	AC 110V 60Hz	NXC-25/4 110V 60Hz	301928
25A	4NO	-	AC 220V 60Hz	NXC-25/4 220V 60Hz	301935
25A	4NO	-	AC 380V 50/60Hz	NXC-25/4 380V 50/60Hz	301936
25A	4NO	-	AC 24V 60Hz	NXC-25/4 24V 60Hz	301939

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3NO	1NO+1NC	AC 220V 50Hz	NXC-32 220V 50Hz	836852
32A	3NO	1NO+1NC	AC 380V 50Hz	NXC-32 380V 50Hz	836858
32A	3NO	1NO+1NC	AC 24V 50Hz	NXC-32 24V 50Hz	836864
32A	3NO	1NO+1NC	AC 110V 50Hz	NXC-32 110V 50Hz	836882
32A	3NO	1NO+1NC	AC 127V 50Hz	NXC-32 127V 50Hz	836888
32A	3NO	1NO+1NC	AC 415V 50Hz	NXC-32 415V 50Hz	836894
32A	3NO	1NO+1NC	AC 220V 60Hz	NXC-32 220V 60Hz	925212
32A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-32 220V 50/60Hz	925213
32A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-32 110V 50/60Hz	925791
32A	3NO	1NO+1NC	AC 110V 60Hz	NXC-32 110V 60Hz	925793
32A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-32 127V 50/60Hz	925795
32A	3NO	1NO+1NC	AC 127V 60Hz	NXC-32 127V 60Hz	925797
32A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-32 24V 50/60Hz	925799
32A	3NO	1NO+1NC	AC 24V 60Hz	NXC-32 24V 60Hz	925801
32A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-32 380V 50/60Hz	925807
32A	3NO	1NO+1NC	AC 380V 60Hz	NXC-32 380V 60Hz	925809
32A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-32 415V 50/60Hz	925811
32A	3NO	1NO+1NC	AC 415V 60Hz	NXC-32 415V 60Hz	925813
32A	3NO	1NO+1NC	AC 230V 50Hz	NXC-32 230V 50Hz	938286
32A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-32 230V 50/60Hz	938287
32A	3NO	1NO+1NC	AC 230V 60Hz	NXC-32 230V 60Hz	938288
32A	3NO	1NO+1NC	AC 240V 50Hz	NXC-32 240V 50Hz	938303
32A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-32 240V 50/60Hz	938304
32A	3NO	1NO+1NC	AC 240V 60Hz	NXC-32 240V 60Hz	938305
32A	3NO	1NO+1NC	AC 400V 50Hz	NXC-32 400V 50Hz	938339
32A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-32 400V 50/60Hz	938340
32A	3NO	1NO+1NC	AC 400V 60Hz	NXC-32 400V 60Hz	938341
32A	3NO	1NO+1NC	AC 440V 50Hz	NXC-32 440V 50Hz	938357
32A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-32 440V 50/60Hz	938358
32A	3NO	1NO+1NC	AC 440V 60Hz	NXC-32 440V 60Hz	938359

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3NO	1NO+1NC	AC 220V 50Hz	NXC-32/N 220V 50Hz	836855
32A	3NO	1NO+1NC	AC 380V 50Hz	NXC-32/N 380V 50Hz	836861
32A	3NO	1NO+1NC	AC 24V 50Hz	NXC-32/N 24V 50Hz	836867
32A	3NO	1NO+1NC	AC 110V 50Hz	NXC-32/N 110V 50Hz	836885
32A	3NO	1NO+1NC	AC 127V 50Hz	NXC-32/N 127V 50Hz	836891
32A	3NO	1NO+1NC	AC 415V 50Hz	NXC-32/N 415V 50Hz	836897
32A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-32/N 110V 50/60Hz	925819
32A	3NO	1NO+1NC	AC 110V 60Hz	NXC-32/N 110V 60Hz	925821
32A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-32/N 127V 50/60Hz	925823
32A	3NO	1NO+1NC	AC 127V 60Hz	NXC-32/N 127V 60Hz	925825
32A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-32/N 220V 50/60Hz	925827
32A	3NO	1NO+1NC	AC 220V 60Hz	NXC-32/N 220V 60Hz	925829
32A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-32/N 24V 50/60Hz	925831
32A	3NO	1NO+1NC	AC 24V 60Hz	NXC-32/N 24V 60Hz	925833
32A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-32/N 380V 50/60Hz	925839
32A	3NO	1NO+1NC	AC 380V 60Hz	NXC-32/N 380V 60Hz	925841
32A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-32/N 415V 50/60Hz	925843
32A	3NO	1NO+1NC	AC 415V 60Hz	NXC-32/N 415V 60Hz	925845
32A	3NO	1NO+1NC	AC 230V 50Hz	NXC-32/N 230V 50Hz	938411
32A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-32/N 230V 50/60Hz	938412
32A	3NO	1NO+1NC	AC 230V 60Hz	NXC-32/N 230V 60Hz	938413
32A	3NO	1NO+1NC	AC 240V 50Hz	NXC-32/N 240V 50Hz	938429
32A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-32/N 240V 50/60Hz	938430
32A	3NO	1NO+1NC	AC 240V 60Hz	NXC-32/N 240V 60Hz	938431
32A	3NO	1NO+1NC	AC 400V 50Hz	NXC-32/N 400V 50Hz	938465
32A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-32/N 400V 50/60Hz	938466
32A	3NO	1NO+1NC	AC 400V 60Hz	NXC-32/N 400V 60Hz	938467
32A	3NO	1NO+1NC	AC 440V 50Hz	NXC-32/N 440V 50Hz	938483
32A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-32/N 440V 50/60Hz	938484
32A	3NO	1NO+1NC	AC 440V 60Hz	NXC-32/N 440V 60Hz	938485

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
38A	3NO	1NO+1NC	AC 220V 50Hz	NXC-38 220V 50Hz	836853
38A	3NO	1NO+1NC	AC 380V 50Hz	NXC-38 380V 50Hz	836859
38A	3NO	1NO+1NC	AC 24V 50Hz	NXC-38 24V 50Hz	836865
38A	3NO	1NO+1NC	AC 110V 50Hz	NXC-38 110V 50Hz	836883
38A	3NO	1NO+1NC	AC 127V 50Hz	NXC-38 127V 50Hz	836889
38A	3NO	1NO+1NC	AC 415V 50Hz	NXC-38 415V 50Hz	836895
38A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-38 110V 50/60Hz	925851
38A	3NO	1NO+1NC	AC 110V 60Hz	NXC-38 110V 60Hz	925853
38A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-38 127V 50/60Hz	925855
38A	3NO	1NO+1NC	AC 127V 60Hz	NXC-38 127V 60Hz	925857
38A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-38 220V 50/60Hz	925859
38A	3NO	1NO+1NC	AC 220V 60Hz	NXC-38 220V 60Hz	925861
38A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-38 24V 50/60Hz	925863
38A	3NO	1NO+1NC	AC 24V 60Hz	NXC-38 24V 60Hz	925865
38A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-38 380V 50/60Hz	925871
38A	3NO	1NO+1NC	AC 380V 60Hz	NXC-38 380V 60Hz	925873
38A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-38 415V 50/60Hz	925875
38A	3NO	1NO+1NC	AC 415V 60Hz	NXC-38 415V 60Hz	925877
38A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-38 230V 50/60Hz	938245
38A	3NO	1NO+1NC	AC 230V 50Hz	NXC-38 230V 50Hz	938292
38A	3NO	1NO+1NC	AC 230V 60Hz	NXC-38 230V 60Hz	938293
38A	3NO	1NO+1NC	AC 240V 50Hz	NXC-38 240V 50Hz	938309
38A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-38 240V 50/60Hz	938310
38A	3NO	1NO+1NC	AC 240V 60Hz	NXC-38 240V 60Hz	938311
38A	3NO	1NO+1NC	AC 400V 50Hz	NXC-38 400V 50Hz	938345
38A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-38 400V 50/60Hz	938346
38A	3NO	1NO+1NC	AC 400V 60Hz	NXC-38 400V 60Hz	938347
38A	3NO	1NO+1NC	AC 440V 50Hz	NXC-38 440V 50Hz	938363
38A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-38 440V 50/60Hz	938364
38A	3NO	1NO+1NC	AC 440V 60Hz	NXC-38 440V 60Hz	938365

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
38A	3NO	1NO+1NC	AC 220V 50Hz	NXC-38/N 220V 50Hz	836856
38A	3NO	1NO+1NC	AC 380V 50Hz	NXC-38/N 380V 50Hz	836862
38A	3NO	1NO+1NC	AC 24V 50Hz	NXC-38/N 24V 50Hz	836868
38A	3NO	1NO+1NC	AC 110V 50Hz	NXC-38/N 110V 50Hz	836886
38A	3NO	1NO+1NC	AC 127V 50Hz	NXC-38/N 127V 50Hz	836892
38A	3NO	1NO+1NC	AC 415V 50Hz	NXC-38/N 415V 50Hz	836898
38A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-38/N 110V 50/60Hz	925883
38A	3NO	1NO+1NC	AC 110V 60Hz	NXC-38/N 110V 60Hz	925885
38A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-38/N 127V 50/60Hz	925887
38A	3NO	1NO+1NC	AC 127V 60Hz	NXC-38/N 127V 60Hz	925889
38A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-38/N 220V 50/60Hz	925891
38A	3NO	1NO+1NC	AC 220V 60Hz	NXC-38/N 220V 60Hz	925893
38A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-38/N 24V 50/60Hz	925895
38A	3NO	1NO+1NC	AC 24V 60Hz	NXC-38/N 24V 60Hz	925897
38A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-38/N 380V 50/60Hz	925903
38A	3NO	1NO+1NC	AC 380V 60Hz	NXC-38/N 380V 60Hz	925905
38A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-38/N 415V 50/60Hz	925907
38A	3NO	1NO+1NC	AC 415V 60Hz	NXC-38/N 415V 60Hz	925909
38A	3NO	1NO+1NC	AC 230V 50Hz	NXC-38/N 230V 50Hz	938417
38A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-38/N 230V 50/60Hz	938418
38A	3NO	1NO+1NC	AC 230V 60Hz	NXC-38/N 230V 60Hz	938419
38A	3NO	1NO+1NC	AC 240V 50Hz	NXC-38/N 240V 50Hz	938435
38A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-38/N 240V 50/60Hz	938436
38A	3NO	1NO+1NC	AC 240V 60Hz	NXC-38/N 240V 60Hz	938437
38A	3NO	1NO+1NC	AC 400V 50Hz	NXC-38/N 400V 50Hz	938471
38A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-38/N 400V 50/60Hz	938472
38A	3NO	1NO+1NC	AC 400V 60Hz	NXC-38/N 400V 60Hz	938473
38A	3NO	1NO+1NC	AC 440V 50Hz	NXC-38/N 440V 50Hz	938489
38A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-38/N 440V 50/60Hz	938490
38A	3NO	1NO+1NC	AC 440V 60Hz	NXC-38/N 440V 60Hz	938491

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	3NO	1NO+1NC	AC 380V 50Hz	NXC-40 380V 50Hz	836779
40A	3NO	1NO+1NC	AC 220V 50Hz	NXC-40 220V 50Hz	836780
40A	3NO	1NO+1NC	AC 110V 50Hz	NXC-40 110V 50Hz	836781
40A	3NO	1NO+1NC	AC 24V 50Hz	NXC-40 24V 50Hz	836782
40A	3NO	1NO+1NC	AC 127V 50Hz	NXC-40 127V 50Hz	836785
40A	3NO	1NO+1NC	AC 415V 50Hz	NXC-40 415V 50Hz	836786
40A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-40 110V 50/60Hz	925915
40A	3NO	1NO+1NC	AC 110V 60Hz	NXC-40 110V 60Hz	925917
40A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-40 127V 50/60Hz	925919
40A	3NO	1NO+1NC	AC 127V 60Hz	NXC-40 127V 60Hz	925921
40A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-40 220V 50/60Hz	925923
40A	3NO	1NO+1NC	AC 220V 60Hz	NXC-40 220V 60Hz	925925
40A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-40 24V 50/60Hz	925927
40A	3NO	1NO+1NC	AC 24V 60Hz	NXC-40 24V 60Hz	925929
40A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-40 380V 50/60Hz	925935
40A	3NO	1NO+1NC	AC 380V 60Hz	NXC-40 380V 60Hz	925937
40A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-40 415V 50/60Hz	925939
40A	3NO	1NO+1NC	AC 415V 60Hz	NXC-40 415V 60Hz	925941
40A	3NO	1NO+1NC	AC 230V 50Hz	NXC-40 230V 50Hz	956039
40A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-40 230V 50/60Hz	956040
40A	3NO	1NO+1NC	AC 230V 60Hz	NXC-40 230V 60Hz	956041
40A	3NO	1NO+1NC	AC 240V 50Hz	NXC-40 240V 50Hz	956056
40A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-40 240V 50/60Hz	956057
40A	3NO	1NO+1NC	AC 240V 60Hz	NXC-40 240V 60Hz	956058
40A	3NO	1NO+1NC	AC 400V 50Hz	NXC-40 400V 50Hz	956092
40A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-40 400V 50/60Hz	956093
40A	3NO	1NO+1NC	AC 400V 60Hz	NXC-40 400V 60Hz	956094
40A	3NO	1NO+1NC	AC 440V 50Hz	NXC-40 440V 50Hz	956110
40A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-40 440V 50/60Hz	956111
40A	3NO	1NO+1NC	AC 440V 60Hz	NXC-40 440V 60Hz	956112
40A	3NO	1NO+1NC	AC 380V 50Hz	NXC-40/N 380V 50Hz	836755
40A	3NO	1NO+1NC	AC 220V 50Hz	NXC-40/N 220V 50Hz	836756
40A	3NO	1NO+1NC	AC 110V 50Hz	NXC-40/N 110V 50Hz	836757
40A	3NO	1NO+1NC	AC 24V 50Hz	NXC-40/N 24V 50Hz	836758
40A	3NO	1NO+1NC	AC 127V 50Hz	NXC-40/N 127V 50Hz	836761
40A	3NO	1NO+1NC	AC 415V 50Hz	NXC-40/N 415V 50Hz	836762
40A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-40/N 110V 50/60Hz	925947
40A	3NO	1NO+1NC	AC 110V 60Hz	NXC-40/N 110V 60Hz	925949
40A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-40/N 127V 50/60Hz	925951
40A	3NO	1NO+1NC	AC 127V 60Hz	NXC-40/N 127V 60Hz	925953
40A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-40/N 220V 50/60Hz	925955
40A	3NO	1NO+1NC	AC 220V 60Hz	NXC-40/N 220V 60Hz	925957

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-40/N 24V 50/60Hz	925959
40A	3NO	1NO+1NC	AC 24V 60Hz	NXC-40/N 24V 60Hz	925961
40A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-40/N 380V 50/60Hz	925967
40A	3NO	1NO+1NC	AC 380V 60Hz	NXC-40/N 380V 60Hz	925969
40A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-40/N 415V 50/60Hz	925971
40A	3NO	1NO+1NC	AC 415V 60Hz	NXC-40/N 415V 60Hz	925973
40A	3NO	1NO+1NC	AC 230V 50Hz	NXC-40/N 230V 50Hz	956164
40A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-40/N 230V 50/60Hz	956165
40A	3NO	1NO+1NC	AC 230V 60Hz	NXC-40/N 230V 60Hz	956166
40A	3NO	1NO+1NC	AC 240V 50Hz	NXC-40/N 240V 50Hz	956182
40A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-40/N 240V 50/60Hz	956183
40A	3NO	1NO+1NC	AC 240V 60Hz	NXC-40/N 240V 60Hz	956184
40A	3NO	1NO+1NC	AC 400V 50Hz	NXC-40/N 400V 50Hz	956218
40A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-40/N 400V 50/60Hz	956219
40A	3NO	1NO+1NC	AC 400V 60Hz	NXC-40/N 400V 60Hz	956220
40A	3NO	1NO+1NC	AC 440V 50Hz	NXC-40/N 440V 50Hz	956236
40A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-40/N 440V 50/60Hz	956237
40A	3NO	1NO+1NC	AC 440V 60Hz	NXC-40/N 440V 60Hz	956238
40A	2NO+2NC	-	AC 24V 50/60Hz	NXC-40/22 24V 50/60Hz	300146
40A	2NO+2NC	-	AC 110V 50/60Hz	NXC-40/22 110V 50/60Hz	300149
40A	2NO+2NC	-	AC 127V 50/60Hz	NXC-40/22 127V 50/60Hz	300150
40A	2NO+2NC	-	AC 220V 50/60Hz	NXC-40/22 220V 50/60Hz	300151
40A	2NO+2NC	-	AC 380V 50/60Hz	NXC-40/22 380V 50/60Hz	300152
40A	2NO+2NC	-	AC 415V 50/60Hz	NXC-40/22 415V 50/60Hz	300153
40A	2NO+2NC	-	AC 24V 60Hz	NXC-40/22 24V 60Hz	300154
40A	2NO+2NC	-	AC 110V 60Hz	NXC-40/22 110V 60Hz	300157
40A	2NO+2NC	-	AC 127V 60Hz	NXC-40/22 127V 60Hz	300158
40A	2NO+2NC	-	AC 220V 60Hz	NXC-40/22 220V 60Hz	300159
40A	2NO+2NC	-	AC 380V 60Hz	NXC-40/22 380V 60Hz	300160
40A	2NO+2NC	-	AC 415V 60Hz	NXC-40/22 415V 60Hz	300161
40A	4NO	-	AC 24V 50/60Hz	NXC-40/4 24V 50/60Hz	299961
40A	4NO	-	AC 110V 50/60Hz	NXC-40/4 110V 50/60Hz	299964
40A	4NO	-	AC 127V 50/60Hz	NXC-40/4 127V 50/60Hz	299965
40A	4NO	-	AC 220V 50/60Hz	NXC-40/4 220V 50/60Hz	299966
40A	4NO	-	AC 380V 50/60Hz	NXC-40/4 380V 50/60Hz	299967
40A	4NO	-	AC 415V 50/60Hz	NXC-40/4 415V 50/60Hz	299968
40A	4NO	-	AC 24V 60Hz	NXC-40/4 24V 60Hz	299969
40A	4NO	-	AC 110V 60Hz	NXC-40/4 110V 60Hz	299972
40A	4NO	-	AC 127V 60Hz	NXC-40/4 127V 60Hz	299973
40A	4NO	-	AC 220V 60Hz	NXC-40/4 220V 60Hz	299974
40A	4NO	-	AC 380V 60Hz	NXC-40/4 380V 60Hz	299975
40A	4NO	-	AC 415V 60Hz	NXC-40/4 415V 60Hz	299976

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
50A	3NO	1NO+1NC	AC 380V 50Hz	NXC-50 380V 50Hz	836787
50A	3NO	1NO+1NC	AC 220V 50Hz	NXC-50 220V 50Hz	836788
50A	3NO	1NO+1NC	AC 110V 50Hz	NXC-50 110V 50Hz	836789
50A	3NO	1NO+1NC	AC 24V 50Hz	NXC-50 24V 50Hz	836790
50A	3NO	1NO+1NC	AC 127V 50Hz	NXC-50 127V 50Hz	836793
50A	3NO	1NO+1NC	AC 415V 50Hz	NXC-50 415V 50Hz	836794
50A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-50 110V 50/60Hz	925979
50A	3NO	1NO+1NC	AC 110V 60Hz	NXC-50 110V 60Hz	925980
50A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-50 127V 50/60Hz	925982
50A	3NO	1NO+1NC	AC 127V 60Hz	NXC-50 127V 60Hz	925984
50A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-50 220V 50/60Hz	925986
50A	3NO	1NO+1NC	AC 220V 60Hz	NXC-50 220V 60Hz	925987
50A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-50 24V 50/60Hz	925989
50A	3NO	1NO+1NC	AC 24V 60Hz	NXC-50 24V 60Hz	925991
50A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-50 380V 50/60Hz	925997
50A	3NO	1NO+1NC	AC 380V 60Hz	NXC-50 380V 60Hz	925999
50A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-50 415V 50/60Hz	938001
50A	3NO	1NO+1NC	AC 415V 60Hz	NXC-50 415V 60Hz	938003
50A	3NO	1NO+1NC	AC 230V 50Hz	NXC-50 230V 50Hz	956045
50A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-50 230V 50/60Hz	956046
50A	3NO	1NO+1NC	AC 230V 60Hz	NXC-50 230V 60Hz	956047
50A	3NO	1NO+1NC	AC 240V 50Hz	NXC-50 240V 50Hz	956062
50A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-50 240V 50/60Hz	956063
50A	3NO	1NO+1NC	AC 240V 60Hz	NXC-50 240V 60Hz	956064
50A	3NO	1NO+1NC	AC 400V 50Hz	NXC-50 400V 50Hz	956098
50A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-50 400V 50/60Hz	956099
50A	3NO	1NO+1NC	AC 400V 60Hz	NXC-50 400V 60Hz	956100
50A	3NO	1NO+1NC	AC 440V 50Hz	NXC-50 440V 50Hz	956116
50A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-50 440V 50/60Hz	956117
50A	3NO	1NO+1NC	AC 440V 60Hz	NXC-50 440V 60Hz	956118
50A	3NO	1NO+1NC	AC 380V 50Hz	NXC-50/N 380V 50Hz	836763
50A	3NO	1NO+1NC	AC 220V 50Hz	NXC-50/N 220V 50Hz	836764
50A	3NO	1NO+1NC	AC 110V 50Hz	NXC-50/N 110V 50Hz	836765
50A	3NO	1NO+1NC	AC 24V 50Hz	NXC-50/N 24V 50Hz	836766
50A	3NO	1NO+1NC	AC 127V 50Hz	NXC-50/N 127V 50Hz	836769
50A	3NO	1NO+1NC	AC 415V 50Hz	NXC-50/N 415V 50Hz	836770
50A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-50/N 110V 50/60Hz	938009
50A	3NO	1NO+1NC	AC 110V 60Hz	NXC-50/N 110V 60Hz	938011
50A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-50/N 127V 50/60Hz	938013
50A	3NO	1NO+1NC	AC 127V 60Hz	NXC-50/N 127V 60Hz	938015
50A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-50/N 220V 50/60Hz	938017
50A	3NO	1NO+1NC	AC 220V 60Hz	NXC-50/N 220V 60Hz	938019

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
50A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-50/N 24V 50/60Hz	938021
50A	3NO	1NO+1NC	AC 24V 60Hz	NXC-50/N 24V 60Hz	938023
50A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-50/N 380V 50/60Hz	938029
50A	3NO	1NO+1NC	AC 380V 60Hz	NXC-50/N 380V 60Hz	938031
50A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-50/N 415V 50/60Hz	938033
50A	3NO	1NO+1NC	AC 415V 60Hz	NXC-50/N 415V 60Hz	938035
50A	3NO	1NO+1NC	AC 230V 50Hz	NXC-50/N 230V 50Hz	956170
50A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-50/N 230V 50/60Hz	956171
50A	3NO	1NO+1NC	AC 230V 60Hz	NXC-50/N 230V 60Hz	956172
50A	3NO	1NO+1NC	AC 240V 50Hz	NXC-50/N 240V 50Hz	956188
50A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-50/N 240V 50/60Hz	956189
50A	3NO	1NO+1NC	AC 240V 60Hz	NXC-50/N 240V 60Hz	956190
50A	3NO	1NO+1NC	AC 400V 50Hz	NXC-50/N 400V 50Hz	956224
50A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-50/N 400V 50/60Hz	956225
50A	3NO	1NO+1NC	AC 400V 60Hz	NXC-50/N 400V 60Hz	956226
50A	3NO	1NO+1NC	AC 440V 50Hz	NXC-50/N 440V 50Hz	956242
50A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-50/N 440V 50/60Hz	956243
50A	3NO	1NO+1NC	AC 440V 60Hz	NXC-50/N 440V 60Hz	956244
50A	2NO+2NC	-	AC 24V 50/60Hz	NXC-50/22 24V 50/60Hz	300162
50A	2NO+2NC	-	AC 110V 50/60Hz	NXC-50/22 110V 50/60Hz	300165
50A	2NO+2NC	-	AC 127V 50/60Hz	NXC-50/22 127V 50/60Hz	300166
50A	2NO+2NC	-	AC 220V 50/60Hz	NXC-50/22 220V 50/60Hz	300167
50A	2NO+2NC	-	AC 380V 50/60Hz	NXC-50/22 380V 50/60Hz	300168
50A	2NO+2NC	-	AC 415V 50/60Hz	NXC-50/22 415V 50/60Hz	300169
50A	2NO+2NC	-	AC 24V 60Hz	NXC-50/22 24V 60Hz	300170
50A	2NO+2NC	-	AC 110V 60Hz	NXC-50/22 110V 60Hz	300173
50A	2NO+2NC	-	AC 127V 60Hz	NXC-50/22 127V 60Hz	300174
50A	2NO+2NC	-	AC 220V 60Hz	NXC-50/22 220V 60Hz	300175
50A	2NO+2NC	-	AC 380V 60Hz	NXC-50/22 380V 60Hz	300176
50A	2NO+2NC	-	AC 415V 60Hz	NXC-50/22 415V 60Hz	300177
50A	4NO	-	AC 24V 50/60Hz	NXC-50/4 24V 50/60Hz	299977
50A	4NO	-	AC 110V 50/60Hz	NXC-50/4 110V 50/60Hz	299980
50A	4NO	-	AC 127V 50/60Hz	NXC-50/4 127V 50/60Hz	299981
50A	4NO	-	AC 220V 50/60Hz	NXC-50/4 220V 50/60Hz	299982
50A	4NO	-	AC 380V 50/60Hz	NXC-50/4 380V 50/60Hz	299983
50A	4NO	-	AC 415V 50/60Hz	NXC-50/4 415V 50/60Hz	299984
50A	4NO	-	AC 24V 60Hz	NXC-50/4 24V 60Hz	299985
50A	4NO	-	AC 110V 60Hz	NXC-50/4 110V 60Hz	299988
50A	4NO	-	AC 127V 60Hz	NXC-50/4 127V 60Hz	299989
50A	4NO	-	AC 220V 60Hz	NXC-50/4 220V 60Hz	299990
50A	4NO	-	AC 380V 60Hz	NXC-50/4 380V 60Hz	299991
50A	4NO	-	AC 415V 60Hz	NXC-50/4 415V 60Hz	299992

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
65A	3NO	1NO+1NC	AC 380V 50Hz	NXC-65 380V 50Hz	836795
65A	3NO	1NO+1NC	AC 220V 50Hz	NXC-65 220V 50Hz	836796
65A	3NO	1NO+1NC	AC 110V 50Hz	NXC-65 110V 50Hz	836797
65A	3NO	1NO+1NC	AC 24V 50Hz	NXC-65 24V 50Hz	836798
65A	3NO	1NO+1NC	AC 127V 50Hz	NXC-65 127V 50Hz	836801
65A	3NO	1NO+1NC	AC 415V 50Hz	NXC-65 415V 50Hz	836802
65A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-65 110V 50/60Hz	938041
65A	3NO	1NO+1NC	AC 110V 60Hz	NXC-65 110V 60Hz	938043
65A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-65 127V 50/60Hz	938045
65A	3NO	1NO+1NC	AC 127V 60Hz	NXC-65 127V 60Hz	938047
65A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-65 220V 50/60Hz	938049
65A	3NO	1NO+1NC	AC 220V 60Hz	NXC-65 220V 60Hz	938051
65A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-65 24V 50/60Hz	938053
65A	3NO	1NO+1NC	AC 24V 60Hz	NXC-65 24V 60Hz	938055
65A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-65 380V 50/60Hz	938061
65A	3NO	1NO+1NC	AC 380V 60Hz	NXC-65 380V 60Hz	938063
65A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-65 415V 50/60Hz	938065
65A	3NO	1NO+1NC	AC 415V 60Hz	NXC-65 415V 60Hz	938067
65A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-65 230V 50/60Hz	938246
65A	3NO	1NO+1NC	AC 230V 50Hz	NXC-65 230V 50Hz	956051
65A	3NO	1NO+1NC	AC 230V 60Hz	NXC-65 230V 60Hz	956052
65A	3NO	1NO+1NC	AC 240V 50Hz	NXC-65 240V 50Hz	956068
65A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-65 240V 50/60Hz	956069
65A	3NO	1NO+1NC	AC 240V 60Hz	NXC-65 240V 60Hz	956070
65A	3NO	1NO+1NC	AC 400V 50Hz	NXC-65 400V 50Hz	956104
65A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-65 400V 50/60Hz	956105
65A	3NO	1NO+1NC	AC 400V 60Hz	NXC-65 400V 60Hz	956106
65A	3NO	1NO+1NC	AC 440V 50Hz	NXC-65 440V 50Hz	956122
65A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-65 440V 50/60Hz	956123
65A	3NO	1NO+1NC	AC 440V 60Hz	NXC-65 440V 60Hz	956124
65A	3NO	1NO+1NC	AC 380V 50Hz	NXC-65/N 380V 50Hz	836771
65A	3NO	1NO+1NC	AC 220V 50Hz	NXC-65/N 220V 50Hz	836772
65A	3NO	1NO+1NC	AC 110V 50Hz	NXC-65/N 110V 50Hz	836773
65A	3NO	1NO+1NC	AC 24V 50Hz	NXC-65/N 24V 50Hz	836774
65A	3NO	1NO+1NC	AC 127V 50Hz	NXC-65/N 127V 50Hz	836777
65A	3NO	1NO+1NC	AC 415V 50Hz	NXC-65/N 415V 50Hz	836778
65A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-65/N 110V 50/60Hz	938073
65A	3NO	1NO+1NC	AC 110V 60Hz	NXC-65/N 110V 60Hz	938075
65A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-65/N 127V 50/60Hz	938077
65A	3NO	1NO+1NC	AC 127V 60Hz	NXC-65/N 127V 60Hz	938079
65A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-65/N 220V 50/60Hz	938081
65A	3NO	1NO+1NC	AC 220V 60Hz	NXC-65/N 220V 60Hz	938083

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
65A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-65/N 24V 50/60Hz	938085
65A	3NO	1NO+1NC	AC 24V 60Hz	NXC-65/N 24V 60Hz	938087
65A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-65/N 380V 50/60Hz	938093
65A	3NO	1NO+1NC	AC 380V 60Hz	NXC-65/N 380V 60Hz	938095
65A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-65/N 415V 50/60Hz	938097
65A	3NO	1NO+1NC	AC 415V 60Hz	NXC-65/N 415V 60Hz	938099
65A	3NO	1NO+1NC	AC 230V 50Hz	NXC-65/N 230V 50Hz	956176
65A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-65/N 230V 50/60Hz	956177
65A	3NO	1NO+1NC	AC 230V 60Hz	NXC-65/N 230V 60Hz	956178
65A	3NO	1NO+1NC	AC 240V 50Hz	NXC-65/N 240V 50Hz	956194
65A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-65/N 240V 50/60Hz	956195
65A	3NO	1NO+1NC	AC 240V 60Hz	NXC-65/N 240V 60Hz	956196
65A	3NO	1NO+1NC	AC 400V 50Hz	NXC-65/N 400V 50Hz	956230
65A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-65/N 400V 50/60Hz	956231
65A	3NO	1NO+1NC	AC 400V 60Hz	NXC-65/N 400V 60Hz	956232
65A	3NO	1NO+1NC	AC 440V 50Hz	NXC-65/N 440V 50Hz	956248
65A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-65/N 440V 50/60Hz	956249
65A	3NO	1NO+1NC	AC 440V 60Hz	NXC-65/N 440V 60Hz	956250
65A	2NO+2NC	-	AC 24V 50/60Hz	NXC-65/22 24V 50/60Hz	300178
65A	2NO+2NC	-	AC 110V 50/60Hz	NXC-65/22 110V 50/60Hz	300181
65A	2NO+2NC	-	AC 127V 50/60Hz	NXC-65/22 127V 50/60Hz	300182
65A	2NO+2NC	-	AC 220V 50/60Hz	NXC-65/22 220V 50/60Hz	300183
65A	2NO+2NC	-	AC 380V 50/60Hz	NXC-65/22 380V 50/60Hz	300184
65A	2NO+2NC	-	AC 415V 50/60Hz	NXC-65/22 415V 50/60Hz	300185
65A	2NO+2NC	-	AC 24V 60Hz	NXC-65/22 24V 60Hz	300186
65A	2NO+2NC	-	AC 110V 60Hz	NXC-65/22 110V 60Hz	300189
65A	2NO+2NC	-	AC 127V 60Hz	NXC-65/22 127V 60Hz	300190
65A	2NO+2NC	-	AC 220V 60Hz	NXC-65/22 220V 60Hz	300191
65A	2NO+2NC	-	AC 380V 60Hz	NXC-65/22 380V 60Hz	300192
65A	2NO+2NC	-	AC 415V 60Hz	NXC-65/22 415V 60Hz	300193
65A	4NO	-	AC 24V 50/60Hz	NXC-65/4 24V 50/60Hz	299993
65A	4NO	-	AC 110V 50/60Hz	NXC-65/4 110V 50/60Hz	299996
65A	4NO	-	AC 127V 50/60Hz	NXC-65/4 127V 50/60Hz	299997
65A	4NO	-	AC 220V 50/60Hz	NXC-65/4 220V 50/60Hz	299998
65A	4NO	-	AC 380V 50/60Hz	NXC-65/4 380V 50/60Hz	299999
65A	4NO	-	AC 415V 50/60Hz	NXC-65/4 415V 50/60Hz	300137
65A	4NO	-	AC 24V 60Hz	NXC-65/4 24V 60Hz	300138
65A	4NO	-	AC 110V 60Hz	NXC-65/4 110V 60Hz	300141
65A	4NO	-	AC 127V 60Hz	NXC-65/4 127V 60Hz	300142
65A	4NO	-	AC 220V 60Hz	NXC-65/4 220V 60Hz	300143
65A	4NO	-	AC 380V 60Hz	NXC-65/4 380V 60Hz	300144
65A	4NO	-	AC 415V 60Hz	NXC-65/4 415V 60Hz	300145

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
75A	3NO	1NO+1NC	AC 24V 50Hz	NXC-75 24V 50Hz	836803
75A	3NO	1NO+1NC	AC 110V 50Hz	NXC-75 110V 50Hz	836806
75A	3NO	1NO+1NC	AC 127V 50Hz	NXC-75 127V 50Hz	836807
75A	3NO	1NO+1NC	AC 220V 50Hz	NXC-75 220V 50Hz	836808
75A	3NO	1NO+1NC	AC 380V 50Hz	NXC-75 380V 50Hz	836809
75A	3NO	1NO+1NC	AC 415V 50Hz	NXC-75 415V 50Hz	836810
75A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-75 110V 50/60Hz	938105
75A	3NO	1NO+1NC	AC 110V 60Hz	NXC-75 110V 60Hz	938107
75A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-75 127V 50/60Hz	938109
75A	3NO	1NO+1NC	AC 127V 60Hz	NXC-75 127V 60Hz	938111
75A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-75 220V 50/60Hz	938113
75A	3NO	1NO+1NC	AC 220V 60Hz	NXC-75 220V 60Hz	938115
75A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-75 24V 50/60Hz	938117
75A	3NO	1NO+1NC	AC 24V 60Hz	NXC-75 24V 60Hz	938119
75A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-75 380V 50/60Hz	938125
75A	3NO	1NO+1NC	AC 380V 60Hz	NXC-75 380V 60Hz	938127
75A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-75 415V 50/60Hz	938129
75A	3NO	1NO+1NC	AC 415V 60Hz	NXC-75 415V 60Hz	938131
75A	3NO	1NO+1NC	AC 230V 50Hz	NXC-75 230V 50Hz	956290
75A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-75 230V 50/60Hz	956291
75A	3NO	1NO+1NC	AC 230V 60Hz	NXC-75 230V 60Hz	956292
75A	3NO	1NO+1NC	AC 240V 50Hz	NXC-75 240V 50Hz	956307
75A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-75 240V 50/60Hz	956308
75A	3NO	1NO+1NC	AC 240V 60Hz	NXC-75 240V 60Hz	956309
75A	3NO	1NO+1NC	AC 400V 50Hz	NXC-75 400V 50Hz	956343
75A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-75 400V 50/60Hz	956344
75A	3NO	1NO+1NC	AC 400V 60Hz	NXC-75 400V 60Hz	956345
75A	3NO	1NO+1NC	AC 440V 50Hz	NXC-75 440V 50Hz	956361
75A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-75 440V 50/60Hz	956362
75A	3NO	1NO+1NC	AC 440V 60Hz	NXC-75 440V 60Hz	956363

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
75A	3NO	1NO+1NC	AC 24V 50Hz	NXC-75/N 24V 50Hz	836827
75A	3NO	1NO+1NC	AC 110V 50Hz	NXC-75/N 110V 50Hz	836830
75A	3NO	1NO+1NC	AC 127V 50Hz	NXC-75/N 127V 50Hz	836831
75A	3NO	1NO+1NC	AC 220V 50Hz	NXC-75/N 220V 50Hz	836832
75A	3NO	1NO+1NC	AC 380V 50Hz	NXC-75/N 380V 50Hz	836833
75A	3NO	1NO+1NC	AC 415V 50Hz	NXC-75/N 415V 50Hz	836834
75A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-75/N 110V 50/60Hz	938137
75A	3NO	1NO+1NC	AC 110V 60Hz	NXC-75/N 110V 60Hz	938139
75A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-75/N 127V 50/60Hz	938141
75A	3NO	1NO+1NC	AC 127V 60Hz	NXC-75/N 127V 60Hz	938143
75A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-75/N 220V 50/60Hz	938145
75A	3NO	1NO+1NC	AC 220V 60Hz	NXC-75/N 220V 60Hz	938147
75A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-75/N 24V 50/60Hz	938149
75A	3NO	1NO+1NC	AC 24V 60Hz	NXC-75/N 24V 60Hz	938151
75A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-75/N 380V 50/60Hz	938157
75A	3NO	1NO+1NC	AC 380V 60Hz	NXC-75/N 380V 60Hz	938159
75A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-75/N 415V 50/60Hz	938161
75A	3NO	1NO+1NC	AC 415V 60Hz	NXC-75/N 415V 60Hz	938163
75A	3NO	1NO+1NC	AC 230V 50Hz	NXC-75/N 230V 50Hz	956415
75A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-75/N 230V 50/60Hz	956416
75A	3NO	1NO+1NC	AC 230V 60Hz	NXC-75/N 230V 60Hz	956417
75A	3NO	1NO+1NC	AC 240V 50Hz	NXC-75/N 240V 50Hz	956433
75A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-75/N 240V 50/60Hz	956434
75A	3NO	1NO+1NC	AC 240V 60Hz	NXC-75/N 240V 60Hz	956435
75A	3NO	1NO+1NC	AC 400V 50Hz	NXC-75/N 400V 50Hz	956469
75A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-75/N 400V 50/60Hz	956470
75A	3NO	1NO+1NC	AC 400V 60Hz	NXC-75/N 400V 60Hz	956471
75A	3NO	1NO+1NC	AC 440V 50Hz	NXC-75/N 440V 50Hz	956487
75A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-75/N 440V 50/60Hz	956488
75A	3NO	1NO+1NC	AC 440V 60Hz	NXC-75/N 440V 60Hz	956489

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
80A	2NO+2NC	-	AC 24V 60Hz	NXC-80/22 24V 60Hz	300226
80A	2NO+2NC	-	AC 24V 50/60Hz	NXC-80/22 24V 50/60Hz	300227
80A	2NO+2NC	-	AC 110V 60Hz	NXC-80/22 110V 60Hz	300232
80A	2NO+2NC	-	AC 110V 50/60Hz	NXC-80/22 110V 50/60Hz	300233
80A	2NO+2NC	-	AC 127V 60Hz	NXC-80/22 127V 60Hz	300234
80A	2NO+2NC	-	AC 127V 50/60Hz	NXC-80/22 127V 50/60Hz	300235
80A	2NO+2NC	-	AC 220V 60Hz	NXC-80/22 220V 60Hz	300236
80A	2NO+2NC	-	AC 220V 50/60Hz	NXC-80/22 220V 50/60Hz	300237
80A	2NO+2NC	-	AC 380V 60Hz	NXC-80/22 380V 60Hz	300238
80A	2NO+2NC	-	AC 380V 50/60Hz	NXC-80/22 380V 50/60Hz	300239
80A	2NO+2NC	-	AC 415V 60Hz	NXC-80/22 415V 60Hz	300240
80A	2NO+2NC	-	AC 415V 50/60Hz	NXC-80/22 415V 50/60Hz	300241
80A	4NO	-	AC 24V 60Hz	NXC-80/4 24V 60Hz	300194
80A	4NO	-	AC 24V 50/60Hz	NXC-80/4 24V 50/60Hz	300195
80A	4NO	-	AC 110V 60Hz	NXC-80/4 110V 60Hz	300200
80A	4NO	-	AC 110V 50/60Hz	NXC-80/4 110V 50/60Hz	300201
80A	4NO	-	AC 127V 60Hz	NXC-80/4 127V 60Hz	300202
80A	4NO	-	AC 127V 50/60Hz	NXC-80/4 127V 50/60Hz	300203
80A	4NO	-	AC 220V 60Hz	NXC-80/4 220V 60Hz	300204
80A	4NO	-	AC 220V 50/60Hz	NXC-80/4 220V 50/60Hz	300205
80A	4NO	-	AC 380V 60Hz	NXC-80/4 380V 60Hz	300206
80A	4NO	-	AC 380V 50/60Hz	NXC-80/4 380V 50/60Hz	300207
80A	4NO	-	AC 415V 60Hz	NXC-80/4 415V 60Hz	300208
80A	4NO	-	AC 415V 50/60Hz	NXC-80/4 415V 50/60Hz	300209

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
85A	3NO	1NO+1NC	AC 24V 50Hz	NXC-85 24V 50Hz	836811
85A	3NO	1NO+1NC	AC 110V 50Hz	NXC-85 110V 50Hz	836814
85A	3NO	1NO+1NC	AC 127V 50Hz	NXC-85 127V 50Hz	836815
85A	3NO	1NO+1NC	AC 220V 50Hz	NXC-85 220V 50Hz	836816
85A	3NO	1NO+1NC	AC 380V 50Hz	NXC-85 380V 50Hz	836817
85A	3NO	1NO+1NC	AC 415V 50Hz	NXC-85 415V 50Hz	836818
85A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-85 110V 50/60Hz	938169
85A	3NO	1NO+1NC	AC 110V 60Hz	NXC-85 110V 60Hz	938171
85A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-85 127V 50/60Hz	938173
85A	3NO	1NO+1NC	AC 127V 60Hz	NXC-85 127V 60Hz	938175
85A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-85 220V 50/60Hz	938177
85A	3NO	1NO+1NC	AC 220V 60Hz	NXC-85 220V 60Hz	938179
85A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-85 24V 50/60Hz	938181
85A	3NO	1NO+1NC	AC 24V 60Hz	NXC-85 24V 60Hz	938183
85A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-85 380V 50/60Hz	938189
85A	3NO	1NO+1NC	AC 380V 60Hz	NXC-85 380V 60Hz	938191
85A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-85 415V 50/60Hz	938193
85A	3NO	1NO+1NC	AC 415V 60Hz	NXC-85 415V 60Hz	938195
85A	3NO	1NO+1NC	AC 230V 50Hz	NXC-85 230V 50Hz	956296
85A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-85 230V 50/60Hz	956297
85A	3NO	1NO+1NC	AC 230V 60Hz	NXC-85 230V 60Hz	956298
85A	3NO	1NO+1NC	AC 240V 50Hz	NXC-85 240V 50Hz	956313
85A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-85 240V 50/60Hz	956314
85A	3NO	1NO+1NC	AC 240V 60Hz	NXC-85 240V 60Hz	956315
85A	3NO	1NO+1NC	AC 400V 50Hz	NXC-85 400V 50Hz	956349
85A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-85 400V 50/60Hz	956350
85A	3NO	1NO+1NC	AC 400V 60Hz	NXC-85 400V 60Hz	956351
85A	3NO	1NO+1NC	AC 440V 50Hz	NXC-85 440V 50Hz	956367
85A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-85 440V 50/60Hz	956368
85A	3NO	1NO+1NC	AC 440V 60Hz	NXC-85 440V 60Hz	956369

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
85A	3NO	1NO+1NC	AC 24V 50Hz	NXC-85/N 24V 50Hz	836835
85A	3NO	1NO+1NC	AC 110V 50Hz	NXC-85/N 110V 50Hz	836838
85A	3NO	1NO+1NC	AC 127V 50Hz	NXC-85/N 127V 50Hz	836839
85A	3NO	1NO+1NC	AC 220V 50Hz	NXC-85/N 220V 50Hz	836840
85A	3NO	1NO+1NC	AC 380V 50Hz	NXC-85/N 380V 50Hz	836841
85A	3NO	1NO+1NC	AC 415V 50Hz	NXC-85/N 415V 50Hz	836842
85A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-85/N 110V 50/60Hz	938201
85A	3NO	1NO+1NC	AC 110V 60Hz	NXC-85/N 110V 60Hz	938203
85A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-85/N 127V 50/60Hz	938205
85A	3NO	1NO+1NC	AC 127V 60Hz	NXC-85/N 127V 60Hz	938207
85A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-85/N 220V 50/60Hz	938209
85A	3NO	1NO+1NC	AC 220V 60Hz	NXC-85/N 220V 60Hz	938211
85A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-85/N 24V 50/60Hz	938213
85A	3NO	1NO+1NC	AC 24V 60Hz	NXC-85/N 24V 60Hz	938215
85A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-85/N 380V 50/60Hz	938221
85A	3NO	1NO+1NC	AC 380V 60Hz	NXC-85/N 380V 60Hz	938223
85A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-85/N 415V 50/60Hz	938225
85A	3NO	1NO+1NC	AC 415V 60Hz	NXC-85/N 415V 60Hz	938227
85A	3NO	1NO+1NC	AC 230V 50Hz	NXC-85/N 230V 50Hz	956421
85A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-85/N 230V 50/60Hz	956422
85A	3NO	1NO+1NC	AC 230V 60Hz	NXC-85/N 230V 60Hz	956423
85A	3NO	1NO+1NC	AC 240V 50Hz	NXC-85/N 240V 50Hz	956439
85A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-85/N 240V 50/60Hz	956440
85A	3NO	1NO+1NC	AC 240V 60Hz	NXC-85/N 240V 60Hz	956441
85A	3NO	1NO+1NC	AC 400V 50Hz	NXC-85/N 400V 50Hz	956475
85A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-85/N 400V 50/60Hz	956476
85A	3NO	1NO+1NC	AC 400V 60Hz	NXC-85/N 400V 60Hz	956477
85A	3NO	1NO+1NC	AC 440V 50Hz	NXC-85/N 440V 50Hz	956493
85A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-85/N 440V 50/60Hz	956494
85A	3NO	1NO+1NC	AC 440V 60Hz	NXC-85/N 440V 60Hz	956495

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
95A	2NO+2NC	-	AC 24V 60Hz	NXC-95/22 24V 60Hz	300242
95A	2NO+2NC	-	AC 24V 50/60Hz	NXC-95/22 24V 50/60Hz	300243
95A	2NO+2NC	-	AC 110V 60Hz	NXC-95/22 110V 60Hz	300248
95A	2NO+2NC	-	AC 110V 50/60Hz	NXC-95/22 110V 50/60Hz	300249
95A	2NO+2NC	-	AC 127V 60Hz	NXC-95/22 127V 60Hz	300250
95A	2NO+2NC	-	AC 127V 50/60Hz	NXC-95/22 127V 50/60Hz	300251
95A	2NO+2NC	-	AC 220V 60Hz	NXC-95/22 220V 60Hz	300252
95A	2NO+2NC	-	AC 220V 50/60Hz	NXC-95/22 220V 50/60Hz	300253
95A	2NO+2NC	-	AC 380V 60Hz	NXC-95/22 380V 60Hz	300254
95A	2NO+2NC	-	AC 380V 50/60Hz	NXC-95/22 380V 50/60Hz	300255
95A	2NO+2NC	-	AC 415V 60Hz	NXC-95/22 415V 60Hz	300256
95A	2NO+2NC	-	AC 415V 50/60Hz	NXC-95/22 415V 50/60Hz	300257
95A	4NO	-	AC 24V 60Hz	NXC-95/4 24V 60Hz	300210
95A	4NO	-	AC 24V 50/60Hz	NXC-95/4 24V 50/60Hz	300211
95A	4NO	-	AC 110V 60Hz	NXC-95/4 110V 60Hz	300216
95A	4NO	-	AC 110V 50/60Hz	NXC-95/4 110V 50/60Hz	300217
95A	4NO	-	AC 127V 60Hz	NXC-95/4 127V 60Hz	300218
95A	4NO	-	AC 127V 50/60Hz	NXC-95/4 127V 50/60Hz	300219
95A	4NO	-	AC 220V 60Hz	NXC-95/4 220V 60Hz	300220
95A	4NO	-	AC 220V 50/60Hz	NXC-95/4 220V 50/60Hz	300221
95A	4NO	-	AC 380V 60Hz	NXC-95/4 380V 60Hz	300222
95A	4NO	-	AC 380V 50/60Hz	NXC-95/4 380V 50/60Hz	300223
95A	4NO	-	AC 415V 60Hz	NXC-95/4 415V 60Hz	300224
95A	4NO	-	AC 415V 50/60Hz	NXC-95/4 415V 50/60Hz	300225

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
100A	3NO	1NO+1NC	AC 24V 50Hz	NXC-100 24V 50Hz	836819
100A	3NO	1NO+1NC	AC 110V 50Hz	NXC-100 110V 50Hz	836822
100A	3NO	1NO+1NC	AC 127V 50Hz	NXC-100 127V 50Hz	836823
100A	3NO	1NO+1NC	AC 220V 50Hz	NXC-100 220V 50Hz	836824
100A	3NO	1NO+1NC	AC 380V 50Hz	NXC-100 380V 50Hz	836825
100A	3NO	1NO+1NC	AC 415V 50Hz	NXC-100 415V 50Hz	836826
100A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-100 110V 50/60Hz	925409
100A	3NO	1NO+1NC	AC 110V 60Hz	NXC-100 110V 60Hz	925410
100A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-100 127V 50/60Hz	925412
100A	3NO	1NO+1NC	AC 127V 60Hz	NXC-100 127V 60Hz	925414
100A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-100 220V 50/60Hz	925416
100A	3NO	1NO+1NC	AC 220V 60Hz	NXC-100 220V 60Hz	925417
100A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-100 24V 50/60Hz	925419
100A	3NO	1NO+1NC	AC 24V 60Hz	NXC-100 24V 60Hz	925421
100A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-100 380V 50/60Hz	925427
100A	3NO	1NO+1NC	AC 380V 60Hz	NXC-100 380V 60Hz	925429
100A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-100 415V 50/60Hz	925431
100A	3NO	1NO+1NC	AC 415V 60Hz	NXC-100 415V 60Hz	925433
100A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-100 230V 50/60Hz	938247
100A	3NO	1NO+1NC	AC 230V 50Hz	NXC-100 230V 50Hz	956302
100A	3NO	1NO+1NC	AC 230V 60Hz	NXC-100 230V 60Hz	956303
100A	3NO	1NO+1NC	AC 240V 50Hz	NXC-100 240V 50Hz	956319
100A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-100 240V 50/60Hz	956320
100A	3NO	1NO+1NC	AC 240V 60Hz	NXC-100 240V 60Hz	956321
100A	3NO	1NO+1NC	AC 400V 50Hz	NXC-100 400V 50Hz	956355
100A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-100 400V 50/60Hz	956356
100A	3NO	1NO+1NC	AC 400V 60Hz	NXC-100 400V 60Hz	956357
100A	3NO	1NO+1NC	AC 440V 50Hz	NXC-100 440V 50Hz	956373
100A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-100 440V 50/60Hz	956374
100A	3NO	1NO+1NC	AC 440V 60Hz	NXC-100 440V 60Hz	956375

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
100A	3NO	1NO+1NC	AC 24V 50Hz	NXC-100/N 24V 50Hz	836843
100A	3NO	1NO+1NC	AC 110V 50Hz	NXC-100/N 110V 50Hz	836846
100A	3NO	1NO+1NC	AC 127V 50Hz	NXC-100/N 127V 50Hz	836847
100A	3NO	1NO+1NC	AC 220V 50Hz	NXC-100/N 220V 50Hz	836848
100A	3NO	1NO+1NC	AC 380V 50Hz	NXC-100/N 380V 50Hz	836849
100A	3NO	1NO+1NC	AC 415V 50Hz	NXC-100/N 415V 50Hz	836850
100A	3NO	1NO+1NC	AC 110V 50/60Hz	NXC-100/N 110V 50/60Hz	925439
100A	3NO	1NO+1NC	AC 110V 60Hz	NXC-100/N 110V 60Hz	925441
100A	3NO	1NO+1NC	AC 127V 50/60Hz	NXC-100/N 127V 50/60Hz	925443
100A	3NO	1NO+1NC	AC 127V 60Hz	NXC-100/N 127V 60Hz	925445
100A	3NO	1NO+1NC	AC 220V 50/60Hz	NXC-100/N 220V 50/60Hz	925447
100A	3NO	1NO+1NC	AC 220V 60Hz	NXC-100/N 220V 60Hz	925449
100A	3NO	1NO+1NC	AC 24V 50/60Hz	NXC-100/N 24V 50/60Hz	925451
100A	3NO	1NO+1NC	AC 24V 60Hz	NXC-100/N 24V 60Hz	925453
100A	3NO	1NO+1NC	AC 380V 50/60Hz	NXC-100/N 380V 50/60Hz	925459
100A	3NO	1NO+1NC	AC 380V 60Hz	NXC-100/N 380V 60Hz	925461
100A	3NO	1NO+1NC	AC 415V 50/60Hz	NXC-100/N 415V 50/60Hz	925463
100A	3NO	1NO+1NC	AC 415V 60Hz	NXC-100/N 415V 60Hz	925465
100A	3NO	1NO+1NC	AC 230V 50Hz	NXC-100/N 230V 50Hz	956427
100A	3NO	1NO+1NC	AC 230V 50/60Hz	NXC-100/N 230V 50/60Hz	956428
100A	3NO	1NO+1NC	AC 230V 60Hz	NXC-100/N 230V 60Hz	956429
100A	3NO	1NO+1NC	AC 240V 50Hz	NXC-100/N 240V 50Hz	956445
100A	3NO	1NO+1NC	AC 240V 50/60Hz	NXC-100/N 240V 50/60Hz	956446
100A	3NO	1NO+1NC	AC 240V 60Hz	NXC-100/N 240V 60Hz	956447
100A	3NO	1NO+1NC	AC 400V 50Hz	NXC-100/N 400V 50Hz	956481
100A	3NO	1NO+1NC	AC 400V 50/60Hz	NXC-100/N 400V 50/60Hz	956482
100A	3NO	1NO+1NC	AC 400V 60Hz	NXC-100/N 400V 60Hz	956483
100A	3NO	1NO+1NC	AC 440V 50Hz	NXC-100/N 440V 50Hz	956499
100A	3NO	1NO+1NC	AC 440V 50/60Hz	NXC-100/N 440V 50/60Hz	956500
100A	3NO	1NO+1NC	AC 440V 60Hz	NXC-100/N 440V 60Hz	956501

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
120A	3NO	2NO+2NC	AC 415V 50Hz	NXC-120 415V 50Hz	154392
120A	3NO	2NO+2NC	AC 415V 50/60Hz	NXC-120 415V 50/60Hz	154396
120A	3NO	2NO+2NC	AC 240V 60Hz	NXC-120 240V 60Hz	257170
120A	3NO	2NO+2NC	AC 400V 50Hz	NXC-120 400V 50Hz	257171
120A	3NO	2NO+2NC	AC 400V 60Hz	NXC-120 400V 60Hz	257172
120A	3NO	2NO+2NC	AC 415V 60Hz	NXC-120 415V 60Hz	257173
120A	3NO	2NO+2NC	AC 230V 60Hz	NXC-120 230V 60Hz	262296
120A	3NO	2NO+2NC	AC 230V 50Hz	NXC-120 230V 50Hz	262297
120A	3NO	2NO+2NC	AC 230V 50/60Hz	NXC-120 230V 50/60Hz	262298
120A	3NO	2NO+2NC	AC 110V 50Hz	NXC-120 110V 50Hz	836509
120A	3NO	2NO+2NC	AC 127V 50Hz	NXC-120 127V 50Hz	836510
120A	3NO	2NO+2NC	AC 220V 50Hz	NXC-120 220V 50Hz	836511
120A	3NO	2NO+2NC	AC 380V 50Hz	NXC-120 380V 50Hz	836512
120A	3NO	2NO+2NC	AC 110V 60Hz	NXC-120 110V 60Hz	925216
120A	3NO	2NO+2NC	AC 127V 60Hz	NXC-120 127V 60Hz	925217
120A	3NO	2NO+2NC	AC 220V 60Hz	NXC-120 220V 60Hz	925218
120A	3NO	2NO+2NC	AC 380V 60Hz	NXC-120 380V 60Hz	925219
120A	3NO	2NO+2NC	AC 110V 50/60Hz	NXC-120 110V 50/60Hz	925248
120A	3NO	2NO+2NC	AC 127V 50/60Hz	NXC-120 127V 50/60Hz	925249
120A	3NO	2NO+2NC	AC 220V 50/60Hz	NXC-120 220V 50/60Hz	925250
120A	3NO	2NO+2NC	AC 380V 50/60Hz	NXC-120 380V 50/60Hz	925251
120A	3NO	2NO+2NC	AC 240V 50/60Hz	NXC-120 240V 50/60Hz	956543
120A	3NO	2NO+2NC	AC 240V 50Hz	NXC-120 240V 50Hz	956546
120A	3NO	2NO+2NC	AC 400V 50/60Hz	NXC-120 400V 50/60Hz	956550
120A	3NO	2NO+2NC	AC 110V 50Hz	NXC-120/N 110V 50Hz	836525
120A	3NO	2NO+2NC	AC 127V 50Hz	NXC-120/N 127V 50Hz	836526
120A	3NO	2NO+2NC	AC 220V 50Hz	NXC-120/N 220V 50Hz	836527
120A	3NO	2NO+2NC	AC 380V 50Hz	NXC-120/N 380V 50Hz	836528
120A	3NO	2NO+2NC	AC 110V 60Hz	NXC-120/N 110V 60Hz	925232
120A	3NO	2NO+2NC	AC 127V 60Hz	NXC-120/N 127V 60Hz	925233
120A	3NO	2NO+2NC	AC 220V 60Hz	NXC-120/N 220V 60Hz	925234
120A	3NO	2NO+2NC	AC 380V 60Hz	NXC-120/N 380V 60Hz	925235
120A	3NO	2NO+2NC	AC 110V 50/60Hz	NXC-120/N 110V 50/60Hz	925264
120A	3NO	2NO+2NC	AC 127V 50/60Hz	NXC-120/N 127V 50/60Hz	925265
120A	3NO	2NO+2NC	AC 220V 50/60Hz	NXC-120/N 220V 50/60Hz	925266
120A	3NO	2NO+2NC	AC 380V 50/60Hz	NXC-120/N 380V 50/60Hz	925267

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
160A	3NO	2NO+2NC	AC 415V 50Hz	NXC-160 415V 50Hz	154393
160A	3NO	2NO+2NC	AC 415V 50/60Hz	NXC-160 415V 50/60Hz	154397
160A	3NO	2NO+2NC	AC 230V 50Hz	NXC-160 230V 50Hz	257174
160A	3NO	2NO+2NC	AC 230V 60Hz	NXC-160 230V 60Hz	257175
160A	3NO	2NO+2NC	AC 240V 60Hz	NXC-160 240V 60Hz	257176
160A	3NO	2NO+2NC	AC 400V 50Hz	NXC-160 400V 50Hz	257177
160A	3NO	2NO+2NC	AC 400V 60Hz	NXC-160 400V 60Hz	257178
160A	3NO	2NO+2NC	AC 415V 60Hz	NXC-160 415V 60Hz	257179
160A	3NO	2NO+2NC	AC 110V 50Hz	NXC-160 110V 50Hz	836513
160A	3NO	2NO+2NC	AC 127V 50Hz	NXC-160 127V 50Hz	836514
160A	3NO	2NO+2NC	AC 220V 50Hz	NXC-160 220V 50Hz	836515
160A	3NO	2NO+2NC	AC 380V 50Hz	NXC-160 380V 50Hz	836516
160A	3NO	2NO+2NC	AC 110V 60Hz	NXC-160 110V 60Hz	925220
160A	3NO	2NO+2NC	AC 127V 60Hz	NXC-160 127V 60Hz	925221
160A	3NO	2NO+2NC	AC 220V 60Hz	NXC-160 220V 60Hz	925222
160A	3NO	2NO+2NC	AC 380V 60Hz	NXC-160 380V 60Hz	925223
160A	3NO	2NO+2NC	AC 110V 50/60Hz	NXC-160 110V 50/60Hz	925252
160A	3NO	2NO+2NC	AC 127V 50/60Hz	NXC-160 127V 50/60Hz	925253
160A	3NO	2NO+2NC	AC 220V 50/60Hz	NXC-160 220V 50/60Hz	925254
160A	3NO	2NO+2NC	AC 380V 50/60Hz	NXC-160 380V 50/60Hz	925255
160A	3NO	2NO+2NC	AC 230V 50/60Hz	NXC-160 230V 50/60Hz	956520
160A	3NO	2NO+2NC	AC 240V 50/60Hz	NXC-160 240V 50/60Hz	956544
160A	3NO	2NO+2NC	AC 240V 50Hz	NXC-160 240V 50Hz	956547
160A	3NO	2NO+2NC	AC 400V 50/60Hz	NXC-160 400V 50/60Hz	956551
160A	3NO	2NO+2NC	AC 110V 50Hz	NXC-160/N 110V 50Hz	836529
160A	3NO	2NO+2NC	AC 127V 50Hz	NXC-160/N 127V 50Hz	836530
160A	3NO	2NO+2NC	AC 220V 50Hz	NXC-160/N 220V 50Hz	836531
160A	3NO	2NO+2NC	AC 380V 50Hz	NXC-160/N 380V 50Hz	836532
160A	3NO	2NO+2NC	AC 110V 60Hz	NXC-160/N 110V 60Hz	925236
160A	3NO	2NO+2NC	AC 127V 60Hz	NXC-160/N 127V 60Hz	925237
160A	3NO	2NO+2NC	AC 220V 60Hz	NXC-160/N 220V 60Hz	925238
160A	3NO	2NO+2NC	AC 380V 60Hz	NXC-160/N 380V 60Hz	925239
160A	3NO	2NO+2NC	AC 110V 50/60Hz	NXC-160/N 110V 50/60Hz	925268
160A	3NO	2NO+2NC	AC 127V 50/60Hz	NXC-160/N 127V 50/60Hz	925269
160A	3NO	2NO+2NC	AC 220V 50/60Hz	NXC-160/N 220V 50/60Hz	925270
160A	3NO	2NO+2NC	AC 380V 50/60Hz	NXC-160/N 380V 50/60Hz	925271

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
185A	3NO	2NO+2NC	AC 230V 50/60Hz	NXC-185 230V 50/60Hz	146689
185A	3NO	2NO+2NC	AC 415V 50Hz	NXC-185 415V 50Hz	154394
185A	3NO	2NO+2NC	AC 415V 50/60Hz	NXC-185 415V 50/60Hz	154398
185A	3NO	2NO+2NC	AC 230V 50Hz	NXC-185 230V 50Hz	257180
185A	3NO	2NO+2NC	AC 230V 60Hz	NXC-185 230V 60Hz	257181
185A	3NO	2NO+2NC	AC 240V 60Hz	NXC-185 240V 60Hz	257182
185A	3NO	2NO+2NC	AC 400V 50Hz	NXC-185 400V 50Hz	257183
185A	3NO	2NO+2NC	AC 400V 60Hz	NXC-185 400V 60Hz	257184
185A	3NO	2NO+2NC	AC 415V 60Hz	NXC-185 415V 60Hz	257185
185A	3NO	2NO+2NC	AC 110V 50Hz	NXC-185 110V 50Hz	836517
185A	3NO	2NO+2NC	AC 127V 50Hz	NXC-185 127V 50Hz	836518
185A	3NO	2NO+2NC	AC 220V 50Hz	NXC-185 220V 50Hz	836519
185A	3NO	2NO+2NC	AC 380V 50Hz	NXC-185 380V 50Hz	836520
185A	3NO	2NO+2NC	AC 110V 60Hz	NXC-185 110V 60Hz	925224
185A	3NO	2NO+2NC	AC 127V 60Hz	NXC-185 127V 60Hz	925225
185A	3NO	2NO+2NC	AC 220V 60Hz	NXC-185 220V 60Hz	925226
185A	3NO	2NO+2NC	AC 380V 60Hz	NXC-185 380V 60Hz	925227
185A	3NO	2NO+2NC	AC 110V 50/60Hz	NXC-185 110V 50/60Hz	925256
185A	3NO	2NO+2NC	AC 127V 50/60Hz	NXC-185 127V 50/60Hz	925257
185A	3NO	2NO+2NC	AC 220V 50/60Hz	NXC-185 220V 50/60Hz	925258
185A	3NO	2NO+2NC	AC 380V 50/60Hz	NXC-185 380V 50/60Hz	925259
185A	3NO	2NO+2NC	AC 240V 50/60Hz	NXC-185 240V 50/60Hz	956545
185A	3NO	2NO+2NC	AC 240V 50Hz	NXC-185 240V 50Hz	956548
185A	3NO	2NO+2NC	AC 400V 50/60Hz	NXC-185 400V 50/60Hz	956552
185A	3NO	2NO+2NC	AC 110V 50Hz	NXC-185/N 110V 50Hz	836533
185A	3NO	2NO+2NC	AC 127V 50Hz	NXC-185/N 127V 50Hz	836534
185A	3NO	2NO+2NC	AC 220V 50Hz	NXC-185/N 220V 50Hz	836535
185A	3NO	2NO+2NC	AC 380V 50Hz	NXC-185/N 380V 50Hz	836536
185A	3NO	2NO+2NC	AC 110V 60Hz	NXC-185/N 110V 60Hz	925240
185A	3NO	2NO+2NC	AC 127V 60Hz	NXC-185/N 127V 60Hz	925241
185A	3NO	2NO+2NC	AC 220V 60Hz	NXC-185/N 220V 60Hz	925242
185A	3NO	2NO+2NC	AC 380V 60Hz	NXC-185/N 380V 60Hz	925243
185A	3NO	2NO+2NC	AC 110V 50/60Hz	NXC-185/N 110V 50/60Hz	925272
185A	3NO	2NO+2NC	AC 127V 50/60Hz	NXC-185/N 127V 50/60Hz	925273
185A	3NO	2NO+2NC	AC 220V 50/60Hz	NXC-185/N 220V 50/60Hz	925274
185A	3NO	2NO+2NC	AC 380V 50/60Hz	NXC-185/N 380V 50/60Hz	925275

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
225A	3NO	2NO+2NC	AC 415V 50Hz	NXC-225 415V 50Hz	154395
225A	3NO	2NO+2NC	AC 415V 50/60Hz	NXC-225 415V 50/60Hz	154399
225A	3NO	2NO+2NC	AC 230V 50Hz	NXC-225 230V 50Hz	257186
225A	3NO	2NO+2NC	AC 230V 60Hz	NXC-225 230V 60Hz	257187
225A	3NO	2NO+2NC	AC 240V 60Hz	NXC-225 240V 60Hz	257188
225A	3NO	2NO+2NC	AC 400V 50Hz	NXC-225 400V 50Hz	257189
225A	3NO	2NO+2NC	AC 400V 60Hz	NXC-225 400V 60Hz	257190
225A	3NO	2NO+2NC	AC 415V 60Hz	NXC-225 415V 60Hz	257191
225A	3NO	2NO+2NC	AC 110V 50Hz	NXC-225 110V 50Hz	836521
225A	3NO	2NO+2NC	AC 127V 50Hz	NXC-225 127V 50Hz	836522
225A	3NO	2NO+2NC	AC 220V 50Hz	NXC-225 220V 50Hz	836523
225A	3NO	2NO+2NC	AC 380V 50Hz	NXC-225 380V 50Hz	836524
225A	3NO	2NO+2NC	AC 110V 60Hz	NXC-225 110V 60Hz	925228
225A	3NO	2NO+2NC	AC 127V 60Hz	NXC-225 127V 60Hz	925229
225A	3NO	2NO+2NC	AC 220V 60Hz	NXC-225 220V 60Hz	925230
225A	3NO	2NO+2NC	AC 380V 60Hz	NXC-225 380V 60Hz	925231
225A	3NO	2NO+2NC	AC 110V 50/60Hz	NXC-225 110V 50/60Hz	925260
225A	3NO	2NO+2NC	AC 127V 50/60Hz	NXC-225 127V 50/60Hz	925261
225A	3NO	2NO+2NC	AC 220V 50/60Hz	NXC-225 220V 50/60Hz	925262
225A	3NO	2NO+2NC	AC 380V 50/60Hz	NXC-225 380V 50/60Hz	925263
225A	3NO	2NO+2NC	AC 230V 50/60Hz	NXC-225 230V 50/60Hz	938248
225A	3NO	2NO+2NC	AC 240V 50/60Hz	NXC-225 240V 50/60Hz	956530
225A	3NO	2NO+2NC	AC 240V 50Hz	NXC-225 240V 50Hz	956549
225A	3NO	2NO+2NC	AC 400V 50/60Hz	NXC-225 400V 50/60Hz	956553
225A	3NO	2NO+2NC	AC 110V 50Hz	NXC-225/N 110V 50Hz	836537
225A	3NO	2NO+2NC	AC 127V 50Hz	NXC-225/N 127V 50Hz	836538
225A	3NO	2NO+2NC	AC 220V 50Hz	NXC-225/N 220V 50Hz	836539
225A	3NO	2NO+2NC	AC 380V 50Hz	NXC-225/N 380V 50Hz	836540
225A	3NO	2NO+2NC	AC 110V 60Hz	NXC-225/N 110V 60Hz	925244
225A	3NO	2NO+2NC	AC 127V 60Hz	NXC-225/N 127V 60Hz	925245
225A	3NO	2NO+2NC	AC 220V 60Hz	NXC-225/N 220V 60Hz	925246
225A	3NO	2NO+2NC	AC 380V 60Hz	NXC-225/N 380V 60Hz	925247
225A	3NO	2NO+2NC	AC 110V 50/60Hz	NXC-225/N 110V 50/60Hz	925276
225A	3NO	2NO+2NC	AC 127V 50/60Hz	NXC-225/N 127V 50/60Hz	925277
225A	3NO	2NO+2NC	AC 220V 50/60Hz	NXC-225/N 220V 50/60Hz	925278
225A	3NO	2NO+2NC	AC 380V 50/60Hz	NXC-225/N 380V 50/60Hz	925279

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
265A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-265 AC/DC 380V-415V	836541
265A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-265 AC/DC 220V-240V	836542
265A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-265 AC/DC 110V-127V	836543
265A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-265/N AC/DC 380V-415V	836550
265A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-265/N AC/DC 220V-240V	836551
265A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-265/N AC/DC 110V-127V	836552
330A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-330 AC/DC 380V-415V	836544
330A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-330 AC/DC 220V-240V	836545
330A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-330 AC/DC 110V-127V	836546
330A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-330/N AC/DC 380V-415V	836553
330A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-330/N AC/DC 220V-240V	836554
330A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-330/N AC/DC 110V-127V	836555
400A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-400 AC/DC 380V-415V	836547
400A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-400 AC/DC 220V-240V	836548
400A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-400 AC/DC 110V-127V	836549
400A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-400/N AC/DC 380V-415V	836556
400A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-400/N AC/DC 220V-240V	836557
400A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-400/N AC/DC 110V-127V	836558
500A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-500 AC/DC 380V-415V	836559
500A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-500 AC/DC 220V-240V	836560
500A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-500 AC/DC 110V-127V	836561
500A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-500/N AC/DC 380V-415V	836565
500A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-500/N AC/DC 220V-240V	836566
500A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-500/N AC/DC 110V-127V	836567
630A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-630 AC/DC 380V-415V	836562
630A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-630 AC/DC 220V-240V	836563
630A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-630 AC/DC 110V-127V	836564
630A	3NO	2NO+2NC	AC/DC 380V-415V	NXC-630/N AC/DC 380V-415V	836568
630A	3NO	2NO+2NC	AC/DC 220V-240V	NXC-630/N AC/DC 220V-240V	836569
630A	3NO	2NO+2NC	AC/DC 110V-127V	NXC-630/N AC/DC 110V-127V	836570

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
-	-	2NO+2NC	-	AX-3X/22	938251
-	-	3NO+1NC	-	AX-3X/31	938252
-	-	1NO+3NC	-	AX-3X/13	938253
-	-	4NO	-	AX-3X/40	938254
-	-	4NC	-	AX-3X/04	938255
-	-	1NO+1NC	-	AX-3X/11	938256
-	-	2NC	-	AX-3X/02	938257
-	-	2NO	-	AX-3X/20	938258
-	-	4NO	-	AX-3M/40	925184
-	-	3NO+1NC	-	AX-3M/31	925185
-	-	2NO+2NC	-	AX-3M/22	925186
-	-	1NO+3NC	-	AX-3M/13	925187
-	-	4NC	-	AX-3M/04	925188
-	-	2NO	-	AX-3M/20	925189
-	-	1NO+1NC	-	AX-3M/11	925190
-	-	2NC	-	AX-3M/02	925191
-	-	1NO+1NC	-	AX-3C/11	938259
-	-	1NO+1NC	-	AX-3C/11B	253591



NC1 Series AC Contactors

1. General

1.1 Certificates: CE, VDE, EK, EAC, UL;

1.2 Electric ratings: AC50Hz (or 50/60 Hz), 690V, up to 95A;

1.3 Application: remote making & breaking circuits;
protect circuit from over-load when assembling with thermal over-load relay;
Frequent start-up and control of AC contactor;

1.4 Utilization category: AC-3, AC-4;

1.5 Altitude: ≤2000m;

1.6 Ambient temperature: -5℃ ~+40℃ ;

1.7 Mounting category: Ⅲ

1.8 Mounting conditions:
inclination between the mounting plane and the vertical plane should not exceed ±5°

1.9 Standard: IEC/EN 60947-4-1 2.0 IP10

2. Type designation

N C1- □□ □ - □

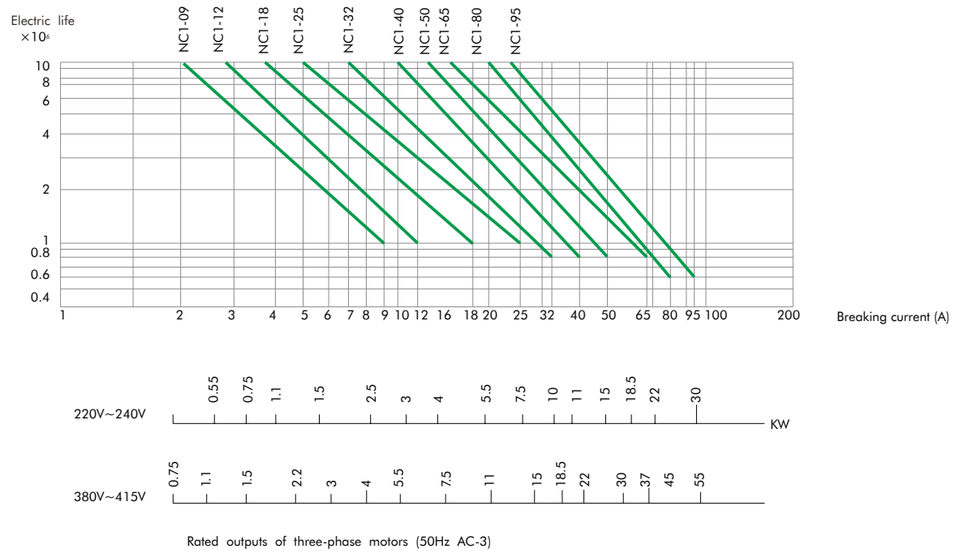
- Z: DC coil
  N:Reversing/change-over type contactor (There is no such type as NC1-**Z (DC coil) and NC1-**08 (2N/O+2N/C)).
- Number of contacts
  10: 3 N/O main contacts+1 N/O auxiliary contact (9A,12A,18A,25A,32A)
  01: 3 N/O main contacts+1 N/C auxiliary contact (9A,12A,18A,25A,32A)
  11: 3 N/O main contacts+1 N/O and 1N/C auxiliary contact (40A,50A,65A,80A,95A)
  04: 4 N/O main contacts (9A,12A,25A,40A,50A,65A,80A,95A)
  08: 2 N/O and 2N/C main contacts (9A,12A,25A,40A,50A,65A,80A,95A)
- Basic specification, expressed with the rated operational current 400(380)V, AC-3
- Design sequence No.
- Contactor
- Company code

The correction factors for diferent rated operation current under operaion temperature higher than +40℃ are given in the following table. The rated operation voltage remains unchanged.

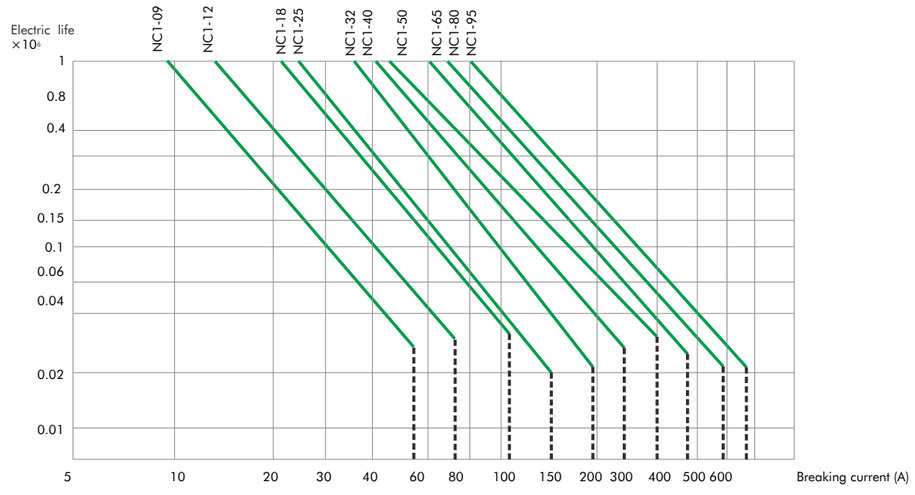
Ambient temperature (℃)	**40**	**50**	**60**	**70**
Correction factor	1	0.875	0.75	0.625

3. Curves

Electric life curves (AC-3)



Electric life curves (AC-4)



Example:
Request to control the start of three-phase motors
main technical parameter of three-phase motors: P=5.5kW, Ue=400V(380V), Ie=11A,Ic=6xIe=66A
The electric life span of request: 2,00,000 operations
the contactor should be NC1-32 according to the curves above

4. Technical data

4.1 AC coil contactor

★ AC coil operation

Items		Mode	NC1-09N	NC1-12N	NC1-18N	NC1-25N	NC1-32N	NC1-40N	NC1-50N	NC1-65N	NC1-80N	NC1-95N
Frame			**Frame 1(3P,4P)**		**Frame 2(3P)**	**Frame 3(3P,4P)**	**Frame 4(3P)**	**Frame 5(3P,4P)**			**Frame 6(3P,4P)**	
												
Rated conventional heating current(A)AC-1			25	25	32	45	50	60	80	80	110(Can be customized for 125)	110(Can be customized for 125)
Rated operational current(A)	400(380)V	AC-3	9	12	18	25	32	40	50	65	80	95
		AC-4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
	690(660)V	AC-3	6.6	8.9	12	18	21	34	39	42	49	49
		AC-4	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Rated insulation voltage(V AC)			690	690	690	690	690	690	690	690	690	690
Power of controlled 3-phase cage motor(AC-3)	kW	230(220)VAC	2.2	3	4	5.5	7.5	11	15	18.5	22	25
		400(380)VAC	4	5.5	7.5	11	15	18.5	22	30	37	45
		690(660)VAC	5.5	7.5	10	15	18.5	30	37	37	45	45
	hp	200VAC	3	5	7.5	7.5	10	15	15	20	25	30
		240VAC	3	5	7.5	10	15	20	20	25	30	30
		460VAC	5	7.5	10	15	20	25	30	40	40	50
		600VAC	5	7.5	10	15	20	25	30	40	40	50
Operating frequency (operations/h)	Electrical	AC-3	1,200	1,200	1,200	1,200	600	600	600	600	600	600
		AC-4	300	300	300	300	300	300	300	300	300	300
	Mechanical		3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600
Electrical life ($\times 10^5$ operations)	AC-3		1,000	1,000	1,000	1,000	800	800	600	600	600	600
	AC-4		200	200	200	200	200	150	150	150	100	100
Mechanical life($\times 10^6$ operations)			10	10	10	10	8	8	8	8	6	6
Matched fuse type			gG-20	gG-20	gG-32	gG-40	gG-50	gG-63	gG-80	gG-80	gG-125	gG-125

★ AC coil operation,reversing type

Items		Mode	NC1-09N	NC1-12N	NC1-18N	NC1-25N	NC1-32N	NC1-40N	NC1-50N	NC1-65N	NC1-80N	NC1-95N
Frame			**Frame 1(3P,4P)**		**Frame 2(3P)**	**Frame 3(3P,4P)**	**Frame 4(3P)**	**Frame 5(3P,4P)**			**Frame 6(3P,4P)**	
Rated conventional heating current(A)AC-1			25	25	32	45	50	60	80	80	110(Can be customized for 125)	110(Can be customized for 125)
AC-4	Ie(A)	380/400V	3.5	5	7.7	8.5	12	18.5	24	28	37	44
		660/690V	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
	Pe(kW)	380/400V	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22
		660/690V	1.1	1.5	3.7	4	5.5	7.5	11	11	15	18.5
Power of controlled 3-phase cage motor(AC-3)	hp	200V	3	5	7.5	7.5	10	15	15	20	25	30
		240V	3	5	7.5	10	15	20	20	25	30	30
		460V	5	7.5	10	15	20	25	30	40	40	50
		600V	5	7.5	10	15	20	25	30	40	40	50

★ AC coil operation,change-over type

Items		Mode	NC1-09N	NC1-12N	NC1-25N	NC1-40N	NC1-50N	NC1-65N	NC1-80N	NC1-95N
Frame			**Frame 1(4P)**	**Frame 2(4P)**	**Frame 3(4P)**	**Frame 4(4P)**	**Frame 5(4P)**		**Frame 6(4P)**	
Rated conventional heating current(A)AC-1			25	25	45	60	80	80	110(Can be customized for 125)	110(Can be customized for 125)
AC-4	Ie(A)	380/400V	3.5	5	8.5	18.5	24	28	37	44
		660/690V	1.5	2	4.4	9	12	14	17.3	21.3
	Pe(kW)	380/400V	1.5	2.2	4	7.5	11	15	18.5	22
		660/690V	1.1	1.5	4	7.5	11	11	15	18.5
Power of controlled 3-phase cage motor(AC-3)	hp	200V	3	5	7.5	15	15	20	25	30
		240V	3	5	10	20	20	25	30	30
		460V	5	7.5	15	25	30	40	40	50
		600V	5	7.5	15	25	30	40	40	50

4.2 DC coil contactor

★ DC coil operation(24V,110V,220V)

Items		Mode	NC1-09Z	NC1-12Z	NC1-18Z	NC1-25Z	NC1-32Z	NC1-40Z	NC1-50Z	NC1-65Z	NC1-80Z	NC1-95Z
Frame			**Frame 1(3P,4P)**		**Frame 2(3P)**	**Frame 3(3P,4P)**	**Frame 4(3P)**	**Frame 5(3P,4P)**			**Frame 6(3P,4P)**	
												
Rated conventional heating current(A)AC-1			25	25	32	45	50	60	80	80	110(Can be customized for 125)	110(Can be customized for 125)
Rated operational current(A)	400(380)V	AC-3	9	12	18	25	32	40	50	65	80	95
		AC-4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
	690(660)V	AC-3	6.6	8.9	12	180	21	34	39	42	49	49
		AC-4	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Conventional heating current(A)			25	25	7.7	8.5	50	60	80	80	110(Can be customized for 125)	110(Can be customized for 125)
Rated insulation voltage(V AC)			690	690	12	18	690	690	690	690	690	690
Power of controlled 3-phase cage motor(AC-3)	kW	230(220)VAC	2.2	3	3.8	4.4	7.5	11	15	18.5	22	25
		400(380)VAC	4	5.5	32	45	15	18.5	22	30	37	45
		690(660)VAC	5.5	7.5	690	690	18.5	30	37	37	45	45
Operating frequency (operations/h)	Electrical	AC-3	1,200	1,200	1,200	1,200	600	600	600	600	600	600
		AC-4	300	300	300	300	300	300	300	300	300	300
	Mechanical		3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600
Electrical life ($\times 10^3$ operations)	AC-3		1,000	1,000	1,000	1,000	800	800	600	600	600	600
	AC-4		200	200	200	200	200	150	150	150	100	100
Mechanical life($\times 10^6$ operations)			10	10	10	10	8	8	8	8	6	6
Matched fuse type			gG-20	gG-20	gG-32	gG-40	gG-50	gG-63	gG-80	gG-80	gG-125	gG-125

5. Accessories

5. Accessories

Items		Model	NC1-09	NC1-12	NC1-18	NC1-25	NC1-32	NC1-40	NC1-50	NC1-65	NC1-80	NC1-95
AC coil	Coil power	In-rush(VA)	70	70	70	110	110	300	300	300	300	300
		Sealed(VA)	9	9	9.5	14	14	57	57	57	57	57
		Power(W)	1.8~2.7	1.8~2.7	3~4	3~4	3~4	6~10	6~10	6~10	6~10	6~10
	Operation range	Operation voltage	(85%~110%)US				(85%~110%) Us					
		Drop-out voltage	(20%~75%) Us				(20%~75%) Us					
	Coil voltage(50Hz,60Hz, 50/60Hz)(V)		24,36,48,110,127,220,230,240,380,415,440,480,500,600,660				24,36,42,48,110,120,127,200,208,220,230,240,277,380,400,415,440,460,480,500,525,600,660					
DC coil	Coil power(W)		9	9	11	11	11	22	22	22	22	22
	Operation range	Pick-up voltage	(85%~110%) Us				(85%~110%) Us					
		Drop-out voltage	(10%~75%) Us				(10%~75%) Us					
	Coil voltage(V)		24,36,48,110,220									

F4 auxiliary contact

F4 - □ □

- Number of N/C auxiliary contact
- Number of N/O auxiliary contact
- Auxiliary contact assembly

F5 Time-delay Relay

F5 - □ □

- 0: time-delay range, 0.1s~3s
  2: time-delay range, 0.1s~30s
  4: time-delay range, 10s~180s
- T: On-delay; D: Off delay
- Time-delay Relay

NCF1-11C lateral side auxiliary contact

N C F 1 - 1 1 C

- Lateral side
- 1 N/C contact
- 1 N/O contact
- Design sequence No.
- Auxiliary contact assembly
- Contactor
- Company code



Picture	Model	Configuration of contacts	
		Number of N/O contact	Number of N/C contact
	F4-20	2	0
	F4-11	1	1
	F4-02	0	2
	F4-40	4	0
	F4-31	3	1
	F4-22	2	2
	F4-13	1	3
	F4-04	0	4

Picture	Model	Time-delay range	umber of time-delay contacts
	F5-T0	0.1s~3s	N/O+N/C
	F5-T2	0.1s~30s	N/O+N/C
	F5-T4	10s~180s	N/O+N/C
	F5-D0	0.1s ~ 3s	N/O+N/C
	F5-D2	0.1s~30s	N/O+N/C
	F5-D4	10s~180s	N/O+N/C
	NCF1-11C NC1-40Z-95Z(DC coil)cannot be in stalled with such accessory	11	

Picture	Suppression voltage range			
 SR2-A Surge suppressor		AC 24V ~ 48V	SR2-A 24V ~ 48V	Able to be used for the products of 9A~38A or lower
		AC 100V~250V	SR2-A 100V~250V	
		AC 380V ~ 440V	SR2-A 380V ~ 440V	
 SR2-C Surge suppressor		AC 24V~48V	SR2-C 24V ~ 48V	Able to be used for the products of 40A~95A or lower
		AC 100V~250V	SR2-C 100V ~ 250V	
		AC 380V ~ 440V	SR2-C 380V ~ 440V	

5.2 Derived products when the contactor is assembled with following accessory module

Derived products	Contactor	Accessorial modular	Picture
Time-delay contactor		 Time-delay block	
Reversing contactor		 Mechanical interlock	
Magnetic starter		 Thermal relay	
AC contactor for capacitor switching		 Current-limiting contact assembly	
Star-delta starter		 Time-delay Relay  Auxiliary contact assembly	

Note: NC1-09Z-95Z cannot form the reversing contactor.

5.3 Assembly with thermal over-load relay

Model of contactor	Assembled thermal over-load rday			
	Model	Rated current(A)	Recommended fuse type	
			aM	gG
NC1-09 NC1-12 NC1-18 NC1-25 NC1-32	 NR2-25	0.1~0.16	0.25	2
		0.16~0.25	0.5	2
		0.25~0.4	1	2
		0.4~0.63	1	2
		0.63~1	2	4
		1~1.6	2	4
		1.25~2	4	6
		1.6~2.5	4	6
		2.5~4	6	10
		4~6	8	16
		5.5 ~ 8	12	20
		7~10	12	20
		9~13	16	25
		12~18	20	35
		17~25	25	50
NC1-32	 NR2-36	23~32	40	63
		28~36	40	80
NC1-40 NC1-50 NC1-65 NC1-80 NC1-95	 NR2-93	23~32	40	63
		30~40	40	100
		37~50	63	100
		48~65	63	100
		55~70	80	125
		63~80	80	125
		80 ~ 93	100	160

5.4 Assembly with electronic overload relay

Model of contactor	Model	Rated	Range of setting	Recommended
		Assembled themal current(A)	Over-load rday current(A)	Fuse type
NC1-09		1.2	0.6~1.2	RT36-4(NT00-4)
		2.4	1.2~2.4	RT36-6(NT00-6)
		4	2~4	RT36-10(NT00-10)
		8	4~8	RT36-16(NT00-16)
NC1-12		10	5~10	RT36-20(NT00-20)
		12	7~12	RT36-25(NT00-25)
NC1-18		20	10~20	RT36-40(NT00-40)
NC1-25	NRE8-25	25	20~25	RT36-50(NT00-50)
NC1-32		32	22~32	RT36-80(NT00-80)
NC1-40		4	2~4	RT36-10(NT00-10)
		8	4~8	RT36-16(NT00-16)
		10	5~10	RT36-20(NT00-20)
		20	10~20	RT36-40(NT00-40)
	NRE8-40	40	20~40	RT36-80(NT00-80)
NC1-40		65	30~65	RT36-160(NT00-160)
NC1-50				
NC1-65				
NC1-80		100	50~100	RT36-200(NT00-200)
NC1-95	NRE8-100			

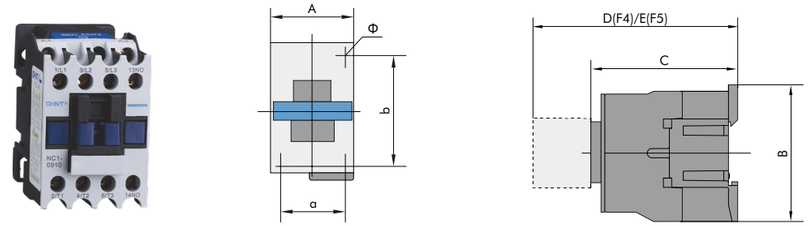
6. Technical information

6.1 Terminal connection

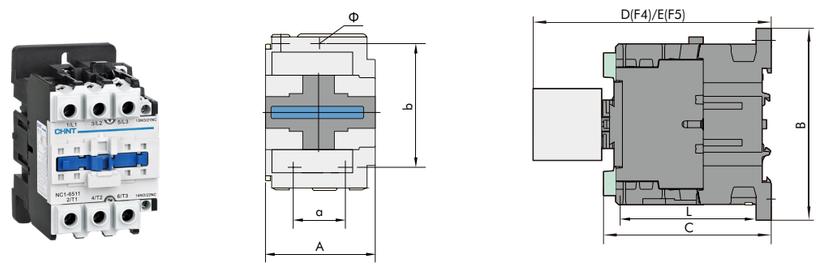
Model	Cabling cross section(Cu)					
	Number of piece	Flexible cable with cold-pressed socket(mm^2)	Flexible cable without cold-pressed socket(mm^2)	Inflexible cable (mm^2)	Screw size	Tightening toroque(Nm)
NC1-09	1	1/2.5	1/4	1/4	M3.5	0.8
	2	1/2.5	1/2.5	1/4	M3.5	0.8
NC1-12	1	1/2.5	1/4	1/4	M3.5	0.8
	2	1/2.5	1/2.5	14	M3.5	0.8
NC1-18	1	1.5/4	1.5/6	1.5/6	M3.5	0.8
	2	1.5/4	1.5/4	1.5/6	M3.5	0.8
NC1-25	1	1.5/4	1.5/10	1.5/6	M4	1.2
	2	1.5/4	1.5/6	1.5/6	M4	1.2
NC1-32	1	2.5/6	2.5/10	2.5/10	M4	1.2
	2	2.5/6	2.5/6	2.5/10	M4	1.2
NC1-40	1	6/25	6/25	6/25	M8	6
	2	4/10	4/10	4/10	M8	6
NC1-50	1	6/25	6/25	6/25	M8	6
	2	4/10	4/10	4/10	M8	6
NC1-65	1	6/25	6/25	6/25	M8	6
	2	4/10	4/10	4/10	M8	6
NC1-80	1	10/35	10/35	10/35	M10	◑ 6 ◎ 10
	2	6/16	6/16	6/16	M10	◑ 6 ◎ 10
NC1-95	1	10/35(50)	10/35(50)	10/35(50)	M10	◑ 6 ◎ 10
	2	6/16	6/16	6/16	M10	◑ 6 ◎ 10

7. Overall and mounting dimensions (mm)

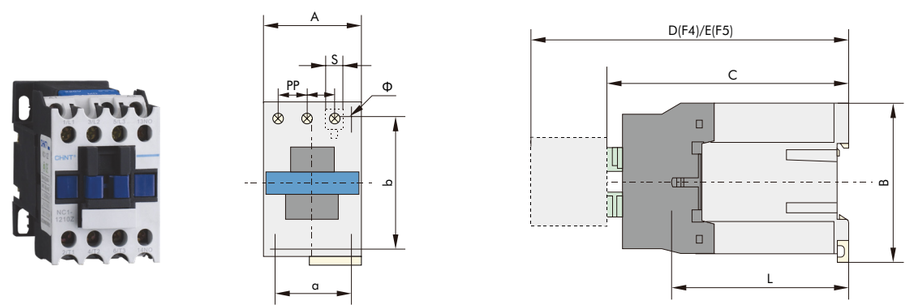
NC1-09~32



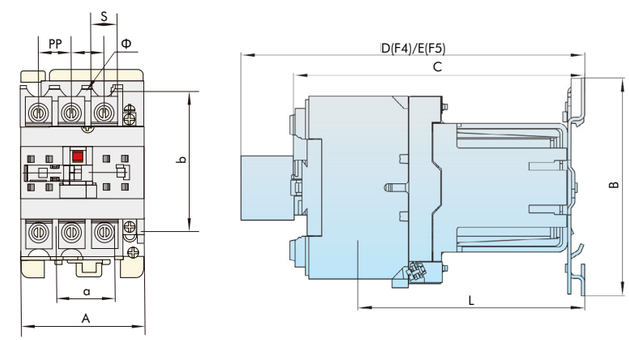
NC1-40~95



NC1-09Z~32Z

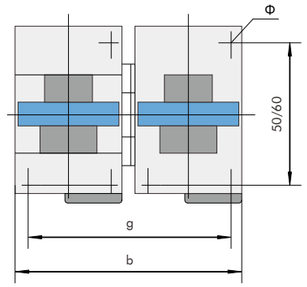


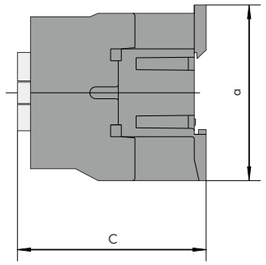
NC1-40Z~95Z



Model	A max	B max	C max	D max	E max	a	b	Φ	L	P	S
NC1-09(Z)~12(Z)	47	76	82(116)	115(149)	135.5(169.5)	34/35	50/60	4.5	60(95)	10.5	8.6
NC1-18(Z)	47	76	87(122)	120(155)	140(175.5)	34/35	50/60	4.5	61(96)	11.3	10.4
NC1-25(Z)	57	86	95(131)	128(164)	149.5(185.5)	40	48	4.5	70(107)	13.2	11.7
NC1-32(Z)	57	86	100(138)	133(171)	154.5(192.5)	40	48	4.5	78(135)	14.5	13
NC1-4011(Z)~6511(Z)	77	129	116(173)	146(203)	168(225)	40	105	6.5	78(135)	20	8.8
NC1-4004~6504	84	129	116(173)	146(203)	168(225)	40	105	6.5	78(135)	20	8.8
NC1-4008~6508	84	129	127(184)	146(203)	168(225)	40	105	6.5	78(135)	20	8.8
NC1-8011(Z)~9511(Z)	87	129	127(188)	155(212)	177(234)	40	105	6.5	83(140)	23.5	12
NC1-8004~9504	96	129	122(181)	155(212)	177(234)	40	105	6.5	83(140)	23.5	12
NC1-8008~9508	96	129	135(194)	155(212)	177(234)	40	105	6.5	83(140)	23.5	12

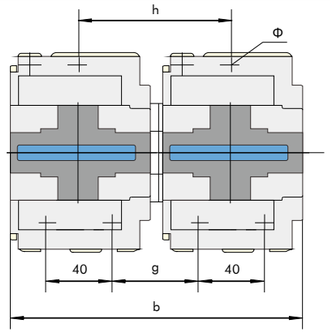


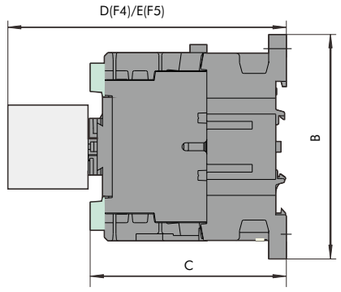




NC1-40~95N







Contactormodel	a	b	c	g	h	Φ
NC1-09N~12N	86	109	82	95	-	4.5
NC1-18N	86	109	87	95	-	4.5
NC1-25N	93	131	95	111	-	4.5
NC1-32N	93	131	100	111	-	4.5
NC1-40N~65N(3P)	129	165	116	50	90	6.5
NC1-80N~95N(3P)	129	187	127	57	96	6.5
NC1-40N~65N(4P)	129	180	116	56	96	6.5
NC1-80N~95N(4P)	129	205	127	70	110	6.5

Note:
1. L: in main circuit, the distance between terminals and plate; 2. P:
in main circuit, the distance between two phases;
3. S: in main circuit, the width of contacting plate.

NC1	-	09	01	Z	220V	50Hz
Product Series		**Rated Current (AC-3)**	**Contact Type and Quantity**	**Coil Type and function**	**Control Voltage**	**Frequency**
		09: 9A 12: 12A 18: 18A 25: 25A 32: 32A 40: 40A 50: 50A 65: 65A 80: 80A 95: 95A	01: 3NO main contacts and 1NC auxiliary contact (9~32A) 10: 3NO main contacts and 1NO auxiliary contact (9~32A) 11: 3NO main contacts and 1NO+1NC auxiliary contacts (40~95A) 04: 4NO main contacts and without auxiliary contact (9~95A except 18/32A) 08: 2NO+2NC main contacts and without auxiliary contact (9~95A except 18/32A)	Blank: standard AC coil Z: standard DC coil N: reversing	24V: AC24V 110V: AC110V 120V: AC120V 220V: AC220V 230V: AC230V 240V: AC240V 380V: AC380V 400V: AC400V 415V: AC415V 440V: AC440V DC24V: DC24V DC48V: DC48V DC110V: DC110V DC220V: DC220V	50Hz 60Hz 50/60Hz

NC1 Contactor 9~95A

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	3NO	1NC	AC 110V 50/60Hz	NC1-0901 110V 50/60Hz	220787
9A	3NO	1NC	AC 110V 50Hz	NC1-0901 110V 50Hz	220788
9A	3NO	1NC	AC 110V 60Hz	NC1-0901 110V 60Hz	220789
9A	3NO	1NC	AC 120V 50/60Hz	NC1-0901 120V 50/60Hz	220790
9A	3NO	1NC	AC 120V 50Hz	NC1-0901 120V 50Hz	220791
9A	3NO	1NC	AC 120V 60Hz	NC1-0901 120V 60Hz	220792
9A	3NO	1NC	AC 220V 50/60Hz	NC1-0901 220V 50/60Hz	220796
9A	3NO	1NC	AC 220V 50Hz	NC1-0901 220V 50Hz	220797
9A	3NO	1NC	AC 220V 60Hz	NC1-0901 220V 60Hz	220798
9A	3NO	1NC	AC 230V 50/60Hz	NC1-0901 230V 50/60Hz	220799
9A	3NO	1NC	AC 230V 50Hz	NC1-0901 230V 50Hz	220800
9A	3NO	1NC	AC 230V 60Hz	NC1-0901 230V 60Hz	220801
9A	3NO	1NC	AC 240V 50/60Hz	NC1-0901 240V 50/60Hz	220802
9A	3NO	1NC	AC 240V 50Hz	NC1-0901 240V 50Hz	220803
9A	3NO	1NC	AC 240V 60Hz	NC1-0901 240V 60Hz	220804
9A	3NO	1NC	AC 24V 50/60Hz	NC1-0901 24V 50/60Hz	220805
9A	3NO	1NC	AC 24V 50Hz	NC1-0901 24V 50Hz	220806
9A	3NO	1NC	AC 24V 60Hz	NC1-0901 24V 60Hz	220807
9A	3NO	1NC	AC 380V 50/60Hz	NC1-0901 380V 50/60Hz	220812
9A	3NO	1NC	AC 380V 50Hz	NC1-0901 380V 50Hz	220813
9A	3NO	1NC	AC 380V 60Hz	NC1-0901 380V 60Hz	220814
9A	3NO	1NC	AC 400V 50/60Hz	NC1-0901 400V 50/60Hz	220815
9A	3NO	1NC	AC 400V 50Hz	NC1-0901 400V 50Hz	220816
9A	3NO	1NC	AC 400V 60Hz	NC1-0901 400V 60Hz	220817
9A	3NO	1NC	AC 415V 50/60Hz	NC1-0901 415V 50/60Hz	220818
9A	3NO	1NC	AC 415V 50Hz	NC1-0901 415V 50Hz	220819
9A	3NO	1NC	AC 415V 60Hz	NC1-0901 415V 60Hz	220820
9A	3NO	1NC	AC 440V 50/60Hz	NC1-0901 440V 50/60Hz	220824
9A	3NO	1NC	AC 440V 50Hz	NC1-0901 440V 50Hz	220825
9A	3NO	1NC	AC 440V 60Hz	NC1-0901 440V 60Hz	220826

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	3NO	1NC	AC 110V 50/60Hz	NC1-0901N 110V 50/60Hz	220834
9A	3NO	1NC	AC 110V 50Hz	NC1-0901N 110V 50Hz	220835
9A	3NO	1NC	AC 110V 60Hz	NC1-0901N 110V 60Hz	220836
9A	3NO	1NC	AC 220V 50/60Hz	NC1-0901N 220V 50/60Hz	220840
9A	3NO	1NC	AC 220V 50Hz	NC1-0901N 220V 50Hz	220841
9A	3NO	1NC	AC 220V 60Hz	NC1-0901N 220V 60Hz	220842
9A	3NO	1NC	AC 230V 50/60Hz	NC1-0901N 230V 50/60Hz	220843
9A	3NO	1NC	AC 230V 50Hz	NC1-0901N 230V 50Hz	220844
9A	3NO	1NC	AC 230V 60Hz	NC1-0901N 230V 60Hz	220845
9A	3NO	1NC	AC 240V 50/60Hz	NC1-0901N 240V 50/60Hz	220846
9A	3NO	1NC	AC 240V 50Hz	NC1-0901N 240V 50Hz	220847
9A	3NO	1NC	AC 240V 60Hz	NC1-0901N 240V 60Hz	220848
9A	3NO	1NC	AC 24V 50/60Hz	NC1-0901N 24V 50/60Hz	220849
9A	3NO	1NC	AC 24V 50Hz	NC1-0901N 24V 50Hz	220850
9A	3NO	1NC	AC 24V 60Hz	NC1-0901N 24V 60Hz	220851
9A	3NO	1NC	AC 380V 50/60Hz	NC1-0901N 380V 50/60Hz	220855
9A	3NO	1NC	AC 380V 50Hz	NC1-0901N 380V 50Hz	220856
9A	3NO	1NC	AC 380V 60Hz	NC1-0901N 380V 60Hz	220857
9A	3NO	1NC	AC 400V 50/60Hz	NC1-0901N 400V 50/60Hz	220858
9A	3NO	1NC	AC 400V 50Hz	NC1-0901N 400V 50Hz	220859
9A	3NO	1NC	AC 400V 60Hz	NC1-0901N 400V 60Hz	220860
9A	3NO	1NC	AC 415V 50/60Hz	NC1-0901N 415V 50/60Hz	220861
9A	3NO	1NC	AC 415V 50Hz	NC1-0901N 415V 50Hz	220862
9A	3NO	1NC	AC 415V 60Hz	NC1-0901N 415V 60Hz	220863
9A	3NO	1NC	AC 120V 50/60Hz	NC1-0901N 120V 50/60Hz	226025
9A	3NO	1NC	DC 110V	NC1-0901Z 110V	220879
9A	3NO	1NC	DC 220V	NC1-0901Z 220V	220880
9A	3NO	1NC	DC 24V	NC1-0901Z 24V	220881
9A	3NO	1NC	DC 48V	NC1-0901Z 48V	220882
9A	3NO	1NO	AC 110V 50/60Hz	NC1-0910 110V 50/60Hz	221020
9A	3NO	1NO	AC 110V 50Hz	NC1-0910 110V 50Hz	221021
9A	3NO	1NO	AC 110V 60Hz	NC1-0910 110V 60Hz	221022
9A	3NO	1NO	AC 120V 50/60Hz	NC1-0910 120V 50/60Hz	221023
9A	3NO	1NO	AC 120V 50Hz	NC1-0910 120V 50Hz	221024
9A	3NO	1NO	AC 120V 60Hz	NC1-0910 120V 60Hz	221025
9A	3NO	1NO	AC 220V 50/60Hz	NC1-0910 220V 50/60Hz	221029
9A	3NO	1NO	AC 220V 50Hz	NC1-0910 220V 50Hz	221030
9A	3NO	1NO	AC 220V 60Hz	NC1-0910 220V 60Hz	221031
9A	3NO	1NO	AC 230V 50/60Hz	NC1-0910 230V 50/60Hz	221032
9A	3NO	1NO	AC 230V 50Hz	NC1-0910 230V 50Hz	221033
9A	3NO	1NO	AC 230V 60Hz	NC1-0910 230V 60Hz	221034
9A	3NO	1NO	AC 240V 50/60Hz	NC1-0910 240V 50/60Hz	221035
9A	3NO	1NO	AC 240V 50Hz	NC1-0910 240V 50Hz	221036

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	3NO	1NO	AC 240V 60Hz	NC1-0910 240V 60Hz	221037
9A	3NO	1NO	AC 24V 50/60Hz	NC1-0910 24V 50/60Hz	221038
9A	3NO	1NO	AC 24V 50Hz	NC1-0910 24V 50Hz	221039
9A	3NO	1NO	AC 24V 60Hz	NC1-0910 24V 60Hz	221040
9A	3NO	1NO	AC 380V 50/60Hz	NC1-0910 380V 50/60Hz	221044
9A	3NO	1NO	AC 380V 50Hz	NC1-0910 380V 50Hz	221045
9A	3NO	1NO	AC 380V 60Hz	NC1-0910 380V 60Hz	221046
9A	3NO	1NO	AC 400V 50/60Hz	NC1-0910 400V 50/60Hz	221047
9A	3NO	1NO	AC 400V 50Hz	NC1-0910 400V 50Hz	221048
9A	3NO	1NO	AC 400V 60Hz	NC1-0910 400V 60Hz	221049
9A	3NO	1NO	AC 415V 50/60Hz	NC1-0910 415V 50/60Hz	221050
9A	3NO	1NO	AC 415V 50Hz	NC1-0910 415V 50Hz	221051
9A	3NO	1NO	AC 415V 60Hz	NC1-0910 415V 60Hz	221052
9A	3NO	1NO	AC 440V 50/60Hz	NC1-0910 440V 50/60Hz	221056
9A	3NO	1NO	AC 440V 50Hz	NC1-0910 440V 50Hz	221057
9A	3NO	1NO	AC 440V 60Hz	NC1-0910 440V 60Hz	221058
9A	3NO	1NO	AC 110V 50/60Hz	NC1-0910N 110V 50/60Hz	221065
9A	3NO	1NO	AC 110V 50Hz	NC1-0910N 110V 50Hz	221066
9A	3NO	1NO	AC 110V 60Hz	NC1-0910N 110V 60Hz	221067
9A	3NO	1NO	AC 220V 50/60Hz	NC1-0910N 220V 50/60Hz	221071
9A	3NO	1NO	AC 220V 50Hz	NC1-0910N 220V 50Hz	221072
9A	3NO	1NO	AC 220V 60Hz	NC1-0910N 220V 60Hz	221073
9A	3NO	1NO	AC 230V 50/60Hz	NC1-0910N 230V 50/60Hz	221074
9A	3NO	1NO	AC 230V 50Hz	NC1-0910N 230V 50Hz	221075
9A	3NO	1NO	AC 230V 60Hz	NC1-0910N 230V 60Hz	221076
9A	3NO	1NO	AC 240V 50/60Hz	NC1-0910N 240V 50/60Hz	221077
9A	3NO	1NO	AC 240V 50Hz	NC1-0910N 240V 50Hz	221078
9A	3NO	1NO	AC 240V 60Hz	NC1-0910N 240V 60Hz	221079
9A	3NO	1NO	AC 24V 50/60Hz	NC1-0910N 24V 50/60Hz	221080
9A	3NO	1NO	AC 24V 50Hz	NC1-0910N 24V 50Hz	221081
9A	3NO	1NO	AC 24V 60Hz	NC1-0910N 24V 60Hz	221082
9A	3NO	1NO	AC 380V 50/60Hz	NC1-0910N 380V 50/60Hz	221086
9A	3NO	1NO	AC 380V 50Hz	NC1-0910N 380V 50Hz	221087
9A	3NO	1NO	AC 380V 60Hz	NC1-0910N 380V 60Hz	221088
9A	3NO	1NO	AC 400V 50/60Hz	NC1-0910N 400V 50/60Hz	221089
9A	3NO	1NO	AC 400V 50Hz	NC1-0910N 400V 50Hz	221090
9A	3NO	1NO	AC 400V 60Hz	NC1-0910N 400V 60Hz	221091
9A	3NO	1NO	AC 415V 50/60Hz	NC1-0910N 415V 50/60Hz	221092
9A	3NO	1NO	AC 415V 50Hz	NC1-0910N 415V 50Hz	221093
9A	3NO	1NO	AC 415V 60Hz	NC1-0910N 415V 60Hz	221094
9A	3NO	1NO	AC 120V 60Hz	NC1-0910N 120V 60Hz	225828
9A	3NO	1NO	AC 120V 50/60Hz	NC1-0910N 120V 50/60Hz	226024

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	3NO	1NO	DC 110V	NC1-0910Z 110V	221110
9A	3NO	1NO	DC 220V	NC1-0910Z 220V	221111
9A	3NO	1NO	DC 24V	NC1-0910Z 24V	221112
9A	3NO	1NO	DC 48V	NC1-0910Z 48V	221113
9A	4NO	-	AC 110V 50/60Hz	NC1-0904 110V 50/60Hz	220884
9A	4NO	-	AC 110V 50Hz	NC1-0904 110V 50Hz	220885
9A	4NO	-	AC 110V 60Hz	NC1-0904 110V 60Hz	220886
9A	4NO	-	AC 220V 50/60Hz	NC1-0904 220V 50/60Hz	220890
9A	4NO	-	AC 220V 50Hz	NC1-0904 220V 50Hz	220891
9A	4NO	-	AC 220V 60Hz	NC1-0904 220V 60Hz	220892
9A	4NO	-	AC 230V 50/60Hz	NC1-0904 230V 50/60Hz	220893
9A	4NO	-	AC 230V 50Hz	NC1-0904 230V 50Hz	220894
9A	4NO	-	AC 230V 60Hz	NC1-0904 230V 60Hz	220895
9A	4NO	-	AC 240V 50/60Hz	NC1-0904 240V 50/60Hz	220896
9A	4NO	-	AC 240V 50Hz	NC1-0904 240V 50Hz	220897
9A	4NO	-	AC 240V 60Hz	NC1-0904 240V 60Hz	220898
9A	4NO	-	AC 24V 50/60Hz	NC1-0904 24V 50/60Hz	220899
9A	4NO	-	AC 24V 50Hz	NC1-0904 24V 50Hz	220900
9A	4NO	-	AC 24V 60Hz	NC1-0904 24V 60Hz	220901
9A	4NO	-	AC 380V 50/60Hz	NC1-0904 380V 50/60Hz	220905
9A	4NO	-	AC 380V 50Hz	NC1-0904 380V 50Hz	220906
9A	4NO	-	AC 380V 60Hz	NC1-0904 380V 60Hz	220907
9A	4NO	-	AC 400V 50/60Hz	NC1-0904 400V 50/60Hz	220908
9A	4NO	-	AC 400V 50Hz	NC1-0904 400V 50Hz	220909
9A	4NO	-	AC 400V 60Hz	NC1-0904 400V 60Hz	220910
9A	4NO	-	AC 415V 50/60Hz	NC1-0904 415V 50/60Hz	220911
9A	4NO	-	AC 415V 50Hz	NC1-0904 415V 50Hz	220912
9A	4NO	-	AC 415V 60Hz	NC1-0904 415V 60Hz	220913
9A	4NO	-	AC 440V 50/60Hz	NC1-0904 440V 50/60Hz	220917
9A	4NO	-	AC 440V 50Hz	NC1-0904 440V 50Hz	220918
9A	4NO	-	AC 440V 60Hz	NC1-0904 440V 60Hz	220919
9A	4NO	-	AC 120V 60Hz	NC1-0904 120V 60Hz	225548
9A	4NO	-	AC 120V 50/60Hz	NC1-0904 120V 50/60Hz	225811
9A	4NO	-	AC 110V 50/60Hz	NC1-0904N 110V 50/60Hz	220926
9A	4NO	-	AC 110V 50Hz	NC1-0904N 110V 50Hz	220927
9A	4NO	-	AC 110V 60Hz	NC1-0904N 110V 60Hz	220928
9A	4NO	-	AC 220V 50/60Hz	NC1-0904N 220V 50/60Hz	220932
9A	4NO	-	AC 220V 50Hz	NC1-0904N 220V 50Hz	220933
9A	4NO	-	AC 220V 60Hz	NC1-0904N 220V 60Hz	220934
9A	4NO	-	AC 230V 50/60Hz	NC1-0904N 230V 50/60Hz	220935
9A	4NO	-	AC 230V 50Hz	NC1-0904N 230V 50Hz	220936
9A	4NO	-	AC 230V 60Hz	NC1-0904N 230V 60Hz	220937
9A	4NO	-	AC 240V 50/60Hz	NC1-0904N 240V 50/60Hz	220938
9A	4NO	-	AC 240V 50Hz	NC1-0904N 240V 50Hz	220939
9A	4NO	-	AC 240V 60Hz	NC1-0904N 240V 60Hz	220940
9A	4NO	-	AC 24V 50/60Hz	NC1-0904N 24V 50/60Hz	220941

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
9A	4NO	-	AC 24V 50Hz	NC1-0904N 24V 50Hz	220942
9A	4NO	-	AC 24V 60Hz	NC1-0904N 24V 60Hz	220943
9A	4NO	-	AC 380V 50/60Hz	NC1-0904N 380V 50/60Hz	220947
9A	4NO	-	AC 380V 50Hz	NC1-0904N 380V 50Hz	220948
9A	4NO	-	AC 380V 60Hz	NC1-0904N 380V 60Hz	220949
9A	4NO	-	AC 400V 50/60Hz	NC1-0904N 400V 50/60Hz	220950
9A	4NO	-	AC 400V 50Hz	NC1-0904N 400V 50Hz	220951
9A	4NO	-	AC 400V 60Hz	NC1-0904N 400V 60Hz	220952
9A	4NO	-	AC 415V 50/60Hz	NC1-0904N 415V 50/60Hz	220953
9A	4NO	-	AC 415V 50Hz	NC1-0904N 415V 50Hz	220954
9A	4NO	-	AC 415V 60Hz	NC1-0904N 415V 60Hz	220955
9A	4NO	-	DC 110V	NC1-0904Z 110V	220968
9A	4NO	-	DC 220V	NC1-0904Z 220V	220969
9A	4NO	-	DC 24V	NC1-0904Z 24V	220970
9A	4NO	-	DC 48V	NC1-0904Z 48V	220971
9A	2NO+2NC	-	AC 110V 50/60Hz	NC1-0908 110V 50/60Hz	220973
9A	2NO+2NC	-	AC 110V 50Hz	NC1-0908 110V 50Hz	220974
9A	2NO+2NC	-	AC 110V 60Hz	NC1-0908 110V 60Hz	220975
9A	2NO+2NC	-	AC 220V 50/60Hz	NC1-0908 220V 50/60Hz	220979
9A	2NO+2NC	-	AC 220V 50Hz	NC1-0908 220V 50Hz	220980
9A	2NO+2NC	-	AC 220V 60Hz	NC1-0908 220V 60Hz	220981
9A	2NO+2NC	-	AC 230V 50/60Hz	NC1-0908 230V 50/60Hz	220982
9A	2NO+2NC	-	AC 230V 50Hz	NC1-0908 230V 50Hz	220983
9A	2NO+2NC	-	AC 230V 60Hz	NC1-0908 230V 60Hz	220984
9A	2NO+2NC	-	AC 240V 50/60Hz	NC1-0908 240V 50/60Hz	220985
9A	2NO+2NC	-	AC 240V 50Hz	NC1-0908 240V 50Hz	220986
9A	2NO+2NC	-	AC 240V 60Hz	NC1-0908 240V 60Hz	220987
9A	2NO+2NC	-	AC 24V 50/60Hz	NC1-0908 24V 50/60Hz	220988
9A	2NO+2NC	-	AC 24V 50Hz	NC1-0908 24V 50Hz	220989
9A	2NO+2NC	-	AC 24V 60Hz	NC1-0908 24V 60Hz	220990
9A	2NO+2NC	-	AC 380V 50/60Hz	NC1-0908 380V 50/60Hz	220994
9A	2NO+2NC	-	AC 380V 50Hz	NC1-0908 380V 50Hz	220995
9A	2NO+2NC	-	AC 380V 60Hz	NC1-0908 380V 60Hz	220996
9A	2NO+2NC	-	AC 400V 50/60Hz	NC1-0908 400V 50/60Hz	220997
9A	2NO+2NC	-	AC 400V 50Hz	NC1-0908 400V 50Hz	220998
9A	2NO+2NC	-	AC 400V 60Hz	NC1-0908 400V 60Hz	220999
9A	2NO+2NC	-	AC 415V 50/60Hz	NC1-0908 415V 50/60Hz	221000
9A	2NO+2NC	-	AC 415V 50Hz	NC1-0908 415V 50Hz	221001
9A	2NO+2NC	-	AC 415V 60Hz	NC1-0908 415V 60Hz	221002
9A	2NO+2NC	-	AC 440V 50/60Hz	NC1-0908 440V 50/60Hz	221006
9A	2NO+2NC	-	AC 440V 50Hz	NC1-0908 440V 50Hz	221007
9A	2NO+2NC	-	AC 440V 60Hz	NC1-0908 440V 60Hz	221008
9A	2NO+2NC	-	AC 120V 50/60Hz	NC1-0908 120V 50/60Hz	226579
9A	2NO+2NC	-	DC 110V	NC1-0908Z 110V	221015
9A	2NO+2NC	-	DC 220V	NC1-0908Z 220V	221016
9A	2NO+2NC	-	DC 24V	NC1-0908Z 24V	221017
9A	2NO+2NC	-	DC 48V	NC1-0908Z 48V	221018

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	3NO	1NC	AC 110V 50/60Hz	NC1-1201 110V 50/60Hz	221115
12A	3NO	1NC	AC 110V 50Hz	NC1-1201 110V 50Hz	221116
12A	3NO	1NC	AC 110V 60Hz	NC1-1201 110V 60Hz	221117
12A	3NO	1NC	AC 120V 50/60Hz	NC1-1201 120V 50/60Hz	221118
12A	3NO	1NC	AC 120V 50Hz	NC1-1201 120V 50Hz	221119
12A	3NO	1NC	AC 120V 60Hz	NC1-1201 120V 60Hz	221120
12A	3NO	1NC	AC 220V 50/60Hz	NC1-1201 220V 50/60Hz	221124
12A	3NO	1NC	AC 220V 50Hz	NC1-1201 220V 50Hz	221125
12A	3NO	1NC	AC 220V 60Hz	NC1-1201 220V 60Hz	221126
12A	3NO	1NC	AC 230V 50/60Hz	NC1-1201 230V 50/60Hz	221127
12A	3NO	1NC	AC 230V 50Hz	NC1-1201 230V 50Hz	221128
12A	3NO	1NC	AC 230V 60Hz	NC1-1201 230V 60Hz	221129
12A	3NO	1NC	AC 240V 50/60Hz	NC1-1201 240V 50/60Hz	221130
12A	3NO	1NC	AC 240V 50Hz	NC1-1201 240V 50Hz	221131
12A	3NO	1NC	AC 240V 60Hz	NC1-1201 240V 60Hz	221132
12A	3NO	1NC	AC 24V 50/60Hz	NC1-1201 24V 50/60Hz	221133
12A	3NO	1NC	AC 24V 50Hz	NC1-1201 24V 50Hz	221134
12A	3NO	1NC	AC 24V 60Hz	NC1-1201 24V 60Hz	221135
12A	3NO	1NC	AC 380V 50/60Hz	NC1-1201 380V 50/60Hz	221139
12A	3NO	1NC	AC 380V 50Hz	NC1-1201 380V 50Hz	221140
12A	3NO	1NC	AC 380V 60Hz	NC1-1201 380V 60Hz	221141
12A	3NO	1NC	AC 400V 50/60Hz	NC1-1201 400V 50/60Hz	221142
12A	3NO	1NC	AC 400V 50Hz	NC1-1201 400V 50Hz	221143
12A	3NO	1NC	AC 400V 60Hz	NC1-1201 400V 60Hz	221144
12A	3NO	1NC	AC 415V 50/60Hz	NC1-1201 415V 50/60Hz	221145
12A	3NO	1NC	AC 415V 50Hz	NC1-1201 415V 50Hz	221146
12A	3NO	1NC	AC 415V 60Hz	NC1-1201 415V 60Hz	221147
12A	3NO	1NC	AC 440V 50/60Hz	NC1-1201 440V 50/60Hz	221151
12A	3NO	1NC	AC 440V 50Hz	NC1-1201 440V 50Hz	221152
12A	3NO	1NC	AC 440V 60Hz	NC1-1201 440V 60Hz	221153
12A	3NO	1NC	AC 110V 50/60Hz	NC1-1201N 110V 50/60Hz	221160
12A	3NO	1NC	AC 110V 50Hz	NC1-1201N 110V 50Hz	221161
12A	3NO	1NC	AC 110V 60Hz	NC1-1201N 110V 60Hz	221162
12A	3NO	1NC	AC 220V 50/60Hz	NC1-1201N 220V 50/60Hz	221166
12A	3NO	1NC	AC 220V 50Hz	NC1-1201N 220V 50Hz	221167
12A	3NO	1NC	AC 220V 60Hz	NC1-1201N 220V 60Hz	221168
12A	3NO	1NC	AC 230V 50/60Hz	NC1-1201N 230V 50/60Hz	221169
12A	3NO	1NC	AC 230V 50Hz	NC1-1201N 230V 50Hz	221170
12A	3NO	1NC	AC 230V 60Hz	NC1-1201N 230V 60Hz	221171
12A	3NO	1NC	AC 240V 50/60Hz	NC1-1201N 240V 50/60Hz	221172
12A	3NO	1NC	AC 240V 50Hz	NC1-1201N 240V 50Hz	221173
12A	3NO	1NC	AC 240V 60Hz	NC1-1201N 240V 60Hz	221174
12A	3NO	1NC	AC 24V 50/60Hz	NC1-1201N 24V 50/60Hz	221175
12A	3NO	1NC	AC 24V 50Hz	NC1-1201N 24V 50Hz	221176
12A	3NO	1NC	AC 24V 60Hz	NC1-1201N 24V 60Hz	221177
12A	3NO	1NC	AC 380V 50/60Hz	NC1-1201N 380V 50/60Hz	221181

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	3NO	1NC	AC 380V 50Hz	NC1-1201N 380V 50Hz	221182
12A	3NO	1NC	AC 380V 60Hz	NC1-1201N 380V 60Hz	221183
12A	3NO	1NC	AC 400V 50/60Hz	NC1-1201N 400V 50/60Hz	221184
12A	3NO	1NC	AC 400V 50Hz	NC1-1201N 400V 50Hz	221185
12A	3NO	1NC	AC 400V 60Hz	NC1-1201N 400V 60Hz	221186
12A	3NO	1NC	AC 415V 50/60Hz	NC1-1201N 415V 50/60Hz	221187
12A	3NO	1NC	AC 415V 50Hz	NC1-1201N 415V 50Hz	221188
12A	3NO	1NC	AC 415V 60Hz	NC1-1201N 415V 60Hz	221189
12A	3NO	1NC	AC 24V 50/60Hz	NC1-1201N 24V 50/60Hz	223588
12A	3NO	1NC	AC 120V 50/60Hz	NC1-1201N 120V 50/60Hz	226034
12A	3NO	1NC	DC 110V	NC1-1201Z 110V	221205
12A	3NO	1NC	DC 220V	NC1-1201Z 220V	221206
12A	3NO	1NC	DC 24V	NC1-1201Z 24V	221207
12A	3NO	1NC	DC 48V	NC1-1201Z 48V	221208
12A	3NO	1NO	AC 110V 50/60Hz	NC1-1210 110V 50/60Hz	221346
12A	3NO	1NO	AC 110V 50Hz	NC1-1210 110V 50Hz	221347
12A	3NO	1NO	AC 110V 60Hz	NC1-1210 110V 60Hz	221348
12A	3NO	1NO	AC 120V 50/60Hz	NC1-1210 120V 50/60Hz	221349
12A	3NO	1NO	AC 120V 50Hz	NC1-1210 120V 50Hz	221350
12A	3NO	1NO	AC 120V 60Hz	NC1-1210 120V 60Hz	221351
12A	3NO	1NO	AC 220V 50/60Hz	NC1-1210 220V 50/60Hz	221355
12A	3NO	1NO	AC 220V 50Hz	NC1-1210 220V 50Hz	221356
12A	3NO	1NO	AC 220V 60Hz	NC1-1210 220V 60Hz	221357
12A	3NO	1NO	AC 230V 50Hz	NC1-1210 230V 50Hz	221358
12A	3NO	1NO	AC 230V 60Hz	NC1-1210 230V 60Hz	221359
12A	3NO	1NO	AC 240V 50/60Hz	NC1-1210 240V 50/60Hz	221360
12A	3NO	1NO	AC 240V 50Hz	NC1-1210 240V 50Hz	221361
12A	3NO	1NO	AC 240V 60Hz	NC1-1210 240V 60Hz	221362
12A	3NO	1NO	AC 24V 50/60Hz	NC1-1210 24V 50/60Hz	221363
12A	3NO	1NO	AC 24V 50Hz	NC1-1210 24V 50Hz	221364
12A	3NO	1NO	AC 24V 60Hz	NC1-1210 24V 60Hz	221365
12A	3NO	1NO	AC 380V 50/60Hz	NC1-1210 380V 50/60Hz	221369
12A	3NO	1NO	AC 380V 50Hz	NC1-1210 380V 50Hz	221370
12A	3NO	1NO	AC 380V 60Hz	NC1-1210 380V 60Hz	221371
12A	3NO	1NO	AC 400V 50/60Hz	NC1-1210 400V 50/60Hz	221372
12A	3NO	1NO	AC 400V 50Hz	NC1-1210 400V 50Hz	221373
12A	3NO	1NO	AC 400V 60Hz	NC1-1210 400V 60Hz	221374
12A	3NO	1NO	AC 415V 50/60Hz	NC1-1210 415V 50/60Hz	221375
12A	3NO	1NO	AC 415V 50Hz	NC1-1210 415V 50Hz	221376
12A	3NO	1NO	AC 415V 60Hz	NC1-1210 415V 60Hz	221377
12A	3NO	1NO	AC 440V 50/60Hz	NC1-1210 440V 50/60Hz	221381
12A	3NO	1NO	AC 440V 50Hz	NC1-1210 440V 50Hz	221382
12A	3NO	1NO	AC 440V 60Hz	NC1-1210 440V 60Hz	221383
12A	3NO	1NO	AC 230V 50/60Hz	NC1-1210 230V 50/60Hz	225513
12A	3NO	1NO	AC 110V 50/60Hz	NC1-1210N 110V 50/60Hz	221390
12A	3NO	1NO	AC 110V 50Hz	NC1-1210N 110V 50Hz	221391

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	3NO	1NO	AC 110V 60Hz	NC1-1210N 110V 60Hz	221392
12A	3NO	1NO	AC 220V 50/60Hz	NC1-1210N 220V 50/60Hz	221396
12A	3NO	1NO	AC 220V 50Hz	NC1-1210N 220V 50Hz	221397
12A	3NO	1NO	AC 220V 60Hz	NC1-1210N 220V 60Hz	221398
12A	3NO	1NO	AC 230V 50/60Hz	NC1-1210N 230V 50/60Hz	221399
12A	3NO	1NO	AC 230V 50Hz	NC1-1210N 230V 50Hz	221400
12A	3NO	1NO	AC 230V 60Hz	NC1-1210N 230V 60Hz	221401
12A	3NO	1NO	AC 240V 50/60Hz	NC1-1210N 240V 50/60Hz	221402
12A	3NO	1NO	AC 240V 50Hz	NC1-1210N 240V 50Hz	221403
12A	3NO	1NO	AC 240V 60Hz	NC1-1210N 240V 60Hz	221404
12A	3NO	1NO	AC 24V 50/60Hz	NC1-1210N 24V 50/60Hz	221405
12A	3NO	1NO	AC 24V 50Hz	NC1-1210N 24V 50Hz	221406
12A	3NO	1NO	AC 24V 60Hz	NC1-1210N 24V 60Hz	221407
12A	3NO	1NO	AC 380V 50/60Hz	NC1-1210N 380V 50/60Hz	221411
12A	3NO	1NO	AC 380V 50Hz	NC1-1210N 380V 50Hz	221412
12A	3NO	1NO	AC 380V 60Hz	NC1-1210N 380V 60Hz	221413
12A	3NO	1NO	AC 400V 50/60Hz	NC1-1210N 400V 50/60Hz	221414
12A	3NO	1NO	AC 400V 50Hz	NC1-1210N 400V 50Hz	221415
12A	3NO	1NO	AC 400V 60Hz	NC1-1210N 400V 60Hz	221416
12A	3NO	1NO	AC 415V 50/60Hz	NC1-1210N 415V 50/60Hz	221417
12A	3NO	1NO	AC 415V 50Hz	NC1-1210N 415V 50Hz	221418
12A	3NO	1NO	AC 415V 60Hz	NC1-1210N 415V 60Hz	221419
12A	3NO	1NO	AC 120V 60Hz	NC1-1210N 120V 60Hz	225555
12A	3NO	1NO	AC 120V 50/60Hz	NC1-1210N 120V 50/60Hz	226026
12A	3NO	1NO	DC 110V	NC1-1210Z 110V	221435
12A	3NO	1NO	DC 220V	NC1-1210Z 220V	221436
12A	3NO	1NO	DC 24V	NC1-1210Z 24V	221437
12A	3NO	1NO	DC 48V	NC1-1210Z 48V	221438
12A	4NO	-	AC 110V 50/60Hz	NC1-1204 110V 50/60Hz	221210
12A	4NO	-	AC 110V 50Hz	NC1-1204 110V 50Hz	221211
12A	4NO	-	AC 110V 60Hz	NC1-1204 110V 60Hz	221212
12A	4NO	-	AC 220V 50/60Hz	NC1-1204 220V 50/60Hz	221216
12A	4NO	-	AC 220V 50Hz	NC1-1204 220V 50Hz	221217
12A	4NO	-	AC 220V 60Hz	NC1-1204 220V 60Hz	221218
12A	4NO	-	AC 230V 50/60Hz	NC1-1204 230V 50/60Hz	221219
12A	4NO	-	AC 230V 50Hz	NC1-1204 230V 50Hz	221220
12A	4NO	-	AC 230V 60Hz	NC1-1204 230V 60Hz	221221
12A	4NO	-	AC 240V 50/60Hz	NC1-1204 240V 50/60Hz	221222
12A	4NO	-	AC 240V 50Hz	NC1-1204 240V 50Hz	221223
12A	4NO	-	AC 240V 60Hz	NC1-1204 240V 60Hz	221224
12A	4NO	-	AC 24V 50/60Hz	NC1-1204 24V 50/60Hz	221225
12A	4NO	-	AC 24V 50Hz	NC1-1204 24V 50Hz	221226
12A	4NO	-	AC 24V 60Hz	NC1-1204 24V 60Hz	221227
12A	4NO	-	AC 380V 50/60Hz	NC1-1204 380V 50/60Hz	221231
12A	4NO	-	AC 380V 50Hz	NC1-1204 380V 50Hz	221232
12A	4NO	-	AC 380V 60Hz	NC1-1204 380V 60Hz	221233

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	4NO	-	AC 400V 50/60Hz	NC1-1204 400V 50/60Hz	221234
12A	4NO	-	AC 400V 50Hz	NC1-1204 400V 50Hz	221235
12A	4NO	-	AC 400V 60Hz	NC1-1204 400V 60Hz	221236
12A	4NO	-	AC 415V 50/60Hz	NC1-1204 415V 50/60Hz	221237
12A	4NO	-	AC 415V 50Hz	NC1-1204 415V 50Hz	221238
12A	4NO	-	AC 415V 60Hz	NC1-1204 415V 60Hz	221239
12A	4NO	-	AC 440V 50/60Hz	NC1-1204 440V 50/60Hz	221243
12A	4NO	-	AC 440V 50Hz	NC1-1204 440V 50Hz	221244
12A	4NO	-	AC 440V 60Hz	NC1-1204 440V 60Hz	221245
12A	4NO	-	AC 120V 60Hz	NC1-1204 120V 60Hz	225549
12A	4NO	-	AC 120V 50/60Hz	NC1-1204 120V 50/60Hz	225833
12A	4NO	-	AC 110V 50/60Hz	NC1-1204N 110V 50/60Hz	221252
12A	4NO	-	AC 110V 50Hz	NC1-1204N 110V 50Hz	221253
12A	4NO	-	AC 110V 60Hz	NC1-1204N 110V 60Hz	221254
12A	4NO	-	AC 220V 50/60Hz	NC1-1204N 220V 50/60Hz	221258
12A	4NO	-	AC 220V 50Hz	NC1-1204N 220V 50Hz	221259
12A	4NO	-	AC 220V 60Hz	NC1-1204N 220V 60Hz	221260
12A	4NO	-	AC 230V 50/60Hz	NC1-1204N 230V 50/60Hz	221261
12A	4NO	-	AC 230V 50Hz	NC1-1204N 230V 50Hz	221262
12A	4NO	-	AC 230V 60Hz	NC1-1204N 230V 60Hz	221263
12A	4NO	-	AC 240V 50/60Hz	NC1-1204N 240V 50/60Hz	221264
12A	4NO	-	AC 240V 50Hz	NC1-1204N 240V 50Hz	221265
12A	4NO	-	AC 240V 60Hz	NC1-1204N 240V 60Hz	221266
12A	4NO	-	AC 24V 50/60Hz	NC1-1204N 24V 50/60Hz	221267
12A	4NO	-	AC 24V 50Hz	NC1-1204N 24V 50Hz	221268
12A	4NO	-	AC 24V 60Hz	NC1-1204N 24V 60Hz	221269
12A	4NO	-	AC 380V 50/60Hz	NC1-1204N 380V 50/60Hz	221273
12A	4NO	-	AC 380V 50Hz	NC1-1204N 380V 50Hz	221274
12A	4NO	-	AC 380V 60Hz	NC1-1204N 380V 60Hz	221275
12A	4NO	-	AC 400V 50/60Hz	NC1-1204N 400V 50/60Hz	221276
12A	4NO	-	AC 400V 50Hz	NC1-1204N 400V 50Hz	221277
12A	4NO	-	AC 400V 60Hz	NC1-1204N 400V 60Hz	221278
12A	4NO	-	AC 415V 50/60Hz	NC1-1204N 415V 50/60Hz	221279
12A	4NO	-	AC 415V 50Hz	NC1-1204N 415V 50Hz	221280
12A	4NO	-	AC 415V 60Hz	NC1-1204N 415V 60Hz	221281
12A	4NO	-	DC 110V	NC1-1204Z 110V	221294
12A	4NO	-	DC 220V	NC1-1204Z 220V	221295
12A	4NO	-	DC 24V	NC1-1204Z 24V	221296
12A	4NO	-	DC 48V	NC1-1204Z 48V	221297

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
12A	2NO+2NC	-	AC 110V 50/60Hz	NC1-1208 110V 50/60Hz	221299
12A	2NO+2NC	-	AC 110V 50Hz	NC1-1208 110V 50Hz	221300
12A	2NO+2NC	-	AC 110V 60Hz	NC1-1208 110V 60Hz	221301
12A	2NO+2NC	-	AC 220V 50/60Hz	NC1-1208 220V 50/60Hz	221305
12A	2NO+2NC	-	AC 220V 50Hz	NC1-1208 220V 50Hz	221306
12A	2NO+2NC	-	AC 220V 60Hz	NC1-1208 220V 60Hz	221307
12A	2NO+2NC	-	AC 230V 50/60Hz	NC1-1208 230V 50/60Hz	221308
12A	2NO+2NC	-	AC 230V 50Hz	NC1-1208 230V 50Hz	221309
12A	2NO+2NC	-	AC 230V 60Hz	NC1-1208 230V 60Hz	221310
12A	2NO+2NC	-	AC 240V 50/60Hz	NC1-1208 240V 50/60Hz	221311
12A	2NO+2NC	-	AC 240V 50Hz	NC1-1208 240V 50Hz	221312
12A	2NO+2NC	-	AC 240V 60Hz	NC1-1208 240V 60Hz	221313
12A	2NO+2NC	-	AC 24V 50/60Hz	NC1-1208 24V 50/60Hz	221314
12A	2NO+2NC	-	AC 24V 50Hz	NC1-1208 24V 50Hz	221315
12A	2NO+2NC	-	AC 24V 60Hz	NC1-1208 24V 60Hz	221316
12A	2NO+2NC	-	AC 380V 50/60Hz	NC1-1208 380V 50/60Hz	221320
12A	2NO+2NC	-	AC 380V 50Hz	NC1-1208 380V 50Hz	221321
12A	2NO+2NC	-	AC 380V 60Hz	NC1-1208 380V 60Hz	221322
12A	2NO+2NC	-	AC 400V 50/60Hz	NC1-1208 400V 50/60Hz	221323
12A	2NO+2NC	-	AC 400V 50Hz	NC1-1208 400V 50Hz	221324
12A	2NO+2NC	-	AC 400V 60Hz	NC1-1208 400V 60Hz	221325
12A	2NO+2NC	-	AC 415V 50/60Hz	NC1-1208 415V 50/60Hz	221326
12A	2NO+2NC	-	AC 415V 50Hz	NC1-1208 415V 50Hz	221327
12A	2NO+2NC	-	AC 415V 60Hz	NC1-1208 415V 60Hz	221328
12A	2NO+2NC	-	AC 440V 50/60Hz	NC1-1208 440V 50/60Hz	221332
12A	2NO+2NC	-	AC 440V 50Hz	NC1-1208 440V 50Hz	221333
12A	2NO+2NC	-	AC 440V 60Hz	NC1-1208 440V 60Hz	221334
12A	2NO+2NC	-	AC 120V 60Hz	NC1-1208 120V 60Hz	225547
12A	2NO+2NC	-	AC 120V 50/60Hz	NC1-1208 120V 50/60Hz	225679
12A	2NO+2NC	-	DC 110V	NC1-1208Z 110V	221341
12A	2NO+2NC	-	DC 220V	NC1-1208Z 220V	221342
12A	2NO+2NC	-	DC 24V	NC1-1208Z 24V	221343
12A	2NO+2NC	-	DC 48V	NC1-1208Z 48V	221344
12A	2NO+2NC	-	DC 30V	NC1-1208Z 30V	226568

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
18A	3NO	1NC	AC 110V 50/60Hz	NC1-1801 110V 50/60Hz	221440
18A	3NO	1NC	AC 110V 50Hz	NC1-1801 110V 50Hz	221441
18A	3NO	1NC	AC 110V 60Hz	NC1-1801 110V 60Hz	221442
18A	3NO	1NC	AC 220V 50/60Hz	NC1-1801 220V 50/60Hz	221446
18A	3NO	1NC	AC 220V 50Hz	NC1-1801 220V 50Hz	221447
18A	3NO	1NC	AC 220V 60Hz	NC1-1801 220V 60Hz	221448
18A	3NO	1NC	AC 230V 50/60Hz	NC1-1801 230V 50/60Hz	221449
18A	3NO	1NC	AC 230V 50Hz	NC1-1801 230V 50Hz	221450
18A	3NO	1NC	AC 230V 60Hz	NC1-1801 230V 60Hz	221451
18A	3NO	1NC	AC 240V 50/60Hz	NC1-1801 240V 50/60Hz	221452
18A	3NO	1NC	AC 240V 50Hz	NC1-1801 240V 50Hz	221453
18A	3NO	1NC	AC 240V 60Hz	NC1-1801 240V 60Hz	221454
18A	3NO	1NC	AC 24V 50/60Hz	NC1-1801 24V 50/60Hz	221455
18A	3NO	1NC	AC 24V 50Hz	NC1-1801 24V 50Hz	221456
18A	3NO	1NC	AC 24V 60Hz	NC1-1801 24V 60Hz	221457
18A	3NO	1NC	AC 380V 50/60Hz	NC1-1801 380V 50/60Hz	221461
18A	3NO	1NC	AC 380V 50Hz	NC1-1801 380V 50Hz	221462
18A	3NO	1NC	AC 380V 60Hz	NC1-1801 380V 60Hz	221463
18A	3NO	1NC	AC 400V 50/60Hz	NC1-1801 400V 50/60Hz	221464
18A	3NO	1NC	AC 400V 50Hz	NC1-1801 400V 50Hz	221465
18A	3NO	1NC	AC 400V 60Hz	NC1-1801 400V 60Hz	221466
18A	3NO	1NC	AC 415V 50/60Hz	NC1-1801 415V 50/60Hz	221467
18A	3NO	1NC	AC 415V 50Hz	NC1-1801 415V 50Hz	221468
18A	3NO	1NC	AC 415V 60Hz	NC1-1801 415V 60Hz	221469
18A	3NO	1NC	AC 440V 50/60Hz	NC1-1801 440V 50/60Hz	221473
18A	3NO	1NC	AC 440V 50Hz	NC1-1801 440V 50Hz	221474
18A	3NO	1NC	AC 440V 60Hz	NC1-1801 440V 60Hz	221475
18A	3NO	1NC	AC 120V 50Hz	NC1-1801 120V 50Hz	225517
18A	3NO	1NC	AC 120V 60Hz	NC1-1801 120V 60Hz	225518
18A	3NO	1NC	AC 120V 50/60Hz	NC1-1801 120V 50/60Hz	225519
18A	3NO	1NC	AC 110V 50/60Hz	NC1-1801N 110V 50/60Hz	221482
18A	3NO	1NC	AC 110V 50Hz	NC1-1801N 110V 50Hz	221483
18A	3NO	1NC	AC 110V 60Hz	NC1-1801N 110V 60Hz	221484
18A	3NO	1NC	AC 220V 50/60Hz	NC1-1801N 220V 50/60Hz	221488
18A	3NO	1NC	AC 220V 50Hz	NC1-1801N 220V 50Hz	221489
18A	3NO	1NC	AC 220V 60Hz	NC1-1801N 220V 60Hz	221490
18A	3NO	1NC	AC 230V 50/60Hz	NC1-1801N 230V 50/60Hz	221491
18A	3NO	1NC	AC 230V 50Hz	NC1-1801N 230V 50Hz	221492
18A	3NO	1NC	AC 230V 60Hz	NC1-1801N 230V 60Hz	221493
18A	3NO	1NC	AC 240V 50/60Hz	NC1-1801N 240V 50/60Hz	221494

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
18A	3NO	1NC	AC 240V 50Hz	NC1-1801N 240V 50Hz	221495
18A	3NO	1NC	AC 240V 60Hz	NC1-1801N 240V 60Hz	221496
18A	3NO	1NC	AC 24V 50/60Hz	NC1-1801N 24V 50/60Hz	221497
18A	3NO	1NC	AC 24V 50Hz	NC1-1801N 24V 50Hz	221498
18A	3NO	1NC	AC 24V 60Hz	NC1-1801N 24V 60Hz	221499
18A	3NO	1NC	AC 380V 50/60Hz	NC1-1801N 380V 50/60Hz	221503
18A	3NO	1NC	AC 380V 50Hz	NC1-1801N 380V 50Hz	221504
18A	3NO	1NC	AC 380V 60Hz	NC1-1801N 380V 60Hz	221505
18A	3NO	1NC	AC 400V 50/60Hz	NC1-1801N 400V 50/60Hz	221506
18A	3NO	1NC	AC 400V 50Hz	NC1-1801N 400V 50Hz	221507
18A	3NO	1NC	AC 400V 60Hz	NC1-1801N 400V 60Hz	221508
18A	3NO	1NC	AC 415V 50/60Hz	NC1-1801N 415V 50/60Hz	221509
18A	3NO	1NC	AC 415V 50Hz	NC1-1801N 415V 50Hz	221510
18A	3NO	1NC	AC 415V 60Hz	NC1-1801N 415V 60Hz	221511
18A	3NO	1NC	AC 120V 50/60Hz	NC1-1801N 120V 50/60Hz	226035
18A	3NO	1NC	DC 110V	NC1-1801Z 110V	221527
18A	3NO	1NC	DC 220V	NC1-1801Z 220V	221528
18A	3NO	1NC	DC 24V	NC1-1801Z 24V	221529
18A	3NO	1NC	DC 48V	NC1-1801Z 48V	221530
18A	3NO	1NO	AC 110V 50/60Hz	NC1-1810 110V 50/60Hz	221532
18A	3NO	1NO	AC 110V 50Hz	NC1-1810 110V 50Hz	221533
18A	3NO	1NO	AC 110V 60Hz	NC1-1810 110V 60Hz	221534
18A	3NO	1NO	AC 120V 50/60Hz	NC1-1810 120V 50/60Hz	221535
18A	3NO	1NO	AC 120V 50Hz	NC1-1810 120V 50Hz	221536
18A	3NO	1NO	AC 120V 60Hz	NC1-1810 120V 60Hz	221537
18A	3NO	1NO	AC 220V 50/60Hz	NC1-1810 220V 50/60Hz	221541
18A	3NO	1NO	AC 220V 50Hz	NC1-1810 220V 50Hz	221542
18A	3NO	1NO	AC 220V 60Hz	NC1-1810 220V 60Hz	221543
18A	3NO	1NO	AC 230V 50/60Hz	NC1-1810 230V 50/60Hz	221544
18A	3NO	1NO	AC 230V 50Hz	NC1-1810 230V 50Hz	221545
18A	3NO	1NO	AC 230V 60Hz	NC1-1810 230V 60Hz	221546
18A	3NO	1NO	AC 240V 50/60Hz	NC1-1810 240V 50/60Hz	221547
18A	3NO	1NO	AC 240V 50Hz	NC1-1810 240V 50Hz	221548
18A	3NO	1NO	AC 240V 60Hz	NC1-1810 240V 60Hz	221549
18A	3NO	1NO	AC 24V 50/60Hz	NC1-1810 24V 50/60Hz	221550
18A	3NO	1NO	AC 24V 50Hz	NC1-1810 24V 50Hz	221551
18A	3NO	1NO	AC 24V 60Hz	NC1-1810 24V 60Hz	221552
18A	3NO	1NO	AC 380V 50/60Hz	NC1-1810 380V 50/60Hz	221556
18A	3NO	1NO	AC 380V 50Hz	NC1-1810 380V 50Hz	221557
18A	3NO	1NO	AC 380V 60Hz	NC1-1810 380V 60Hz	221558

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
18A	3NO	1NO	AC 400V 50/60Hz	NC1-1810 400V 50/60Hz	221559
18A	3NO	1NO	AC 400V 50Hz	NC1-1810 400V 50Hz	221560
18A	3NO	1NO	AC 400V 60Hz	NC1-1810 400V 60Hz	221561
18A	3NO	1NO	AC 415V 50/60Hz	NC1-1810 415V 50/60Hz	221562
18A	3NO	1NO	AC 415V 50Hz	NC1-1810 415V 50Hz	221563
18A	3NO	1NO	AC 415V 60Hz	NC1-1810 415V 60Hz	221564
18A	3NO	1NO	AC 440V 50/60Hz	NC1-1810 440V 50/60Hz	221565
18A	3NO	1NO	AC 440V 50Hz	NC1-1810 440V 50Hz	221566
18A	3NO	1NO	AC 440V 60Hz	NC1-1810 440V 60Hz	221567
18A	3NO	1NO	AC 110V 50/60Hz	NC1-1810N 110V 50/60Hz	221574
18A	3NO	1NO	AC 110V 50Hz	NC1-1810N 110V 50Hz	221575
18A	3NO	1NO	AC 110V 60Hz	NC1-1810N 110V 60Hz	221576
18A	3NO	1NO	AC 220V 50/60Hz	NC1-1810N 220V 50/60Hz	221580
18A	3NO	1NO	AC 220V 50Hz	NC1-1810N 220V 50Hz	221581
18A	3NO	1NO	AC 220V 60Hz	NC1-1810N 220V 60Hz	221582
18A	3NO	1NO	AC 230V 50/60Hz	NC1-1810N 230V 50/60Hz	221583
18A	3NO	1NO	AC 230V 50Hz	NC1-1810N 230V 50Hz	221584
18A	3NO	1NO	AC 230V 60Hz	NC1-1810N 230V 60Hz	221585
18A	3NO	1NO	AC 240V 50/60Hz	NC1-1810N 240V 50/60Hz	221586
18A	3NO	1NO	AC 240V 50Hz	NC1-1810N 240V 50Hz	221587
18A	3NO	1NO	AC 240V 60Hz	NC1-1810N 240V 60Hz	221588
18A	3NO	1NO	AC 24V 50/60Hz	NC1-1810N 24V 50/60Hz	221589
18A	3NO	1NO	AC 24V 50Hz	NC1-1810N 24V 50Hz	221590
18A	3NO	1NO	AC 24V 60Hz	NC1-1810N 24V 60Hz	221591
18A	3NO	1NO	AC 380V 50/60Hz	NC1-1810N 380V 50/60Hz	221595
18A	3NO	1NO	AC 380V 50Hz	NC1-1810N 380V 50Hz	221596
18A	3NO	1NO	AC 380V 60Hz	NC1-1810N 380V 60Hz	221597
18A	3NO	1NO	AC 400V 50/60Hz	NC1-1810N 400V 50/60Hz	221598
18A	3NO	1NO	AC 400V 50Hz	NC1-1810N 400V 50Hz	221599
18A	3NO	1NO	AC 400V 60Hz	NC1-1810N 400V 60Hz	221600
18A	3NO	1NO	AC 415V 50/60Hz	NC1-1810N 415V 50/60Hz	221601
18A	3NO	1NO	AC 415V 50Hz	NC1-1810N 415V 50Hz	221602
18A	3NO	1NO	AC 415V 60Hz	NC1-1810N 415V 60Hz	221603
18A	3NO	1NO	AC 120V 50/60Hz	NC1-1810N 120V 50/60Hz	226027
18A	3NO	1NO	DC 110V	NC1-1810Z 110V	221619
18A	3NO	1NO	DC 220V	NC1-1810Z 220V	221620
18A	3NO	1NO	DC 24V	NC1-1810Z 24V	221621
18A	3NO	1NO	DC 48V	NC1-1810Z 48V	221622

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3NO	1NC	AC 110V 50/60Hz	NC1-2501 110V 50/60Hz	221624
25A	3NO	1NC	AC 110V 50Hz	NC1-2501 110V 50Hz	221625
25A	3NO	1NC	AC 110V 60Hz	NC1-2501 110V 60Hz	221626
25A	3NO	1NC	AC 220V 50/60Hz	NC1-2501 220V 50/60Hz	221630
25A	3NO	1NC	AC 220V 50Hz	NC1-2501 220V 50Hz	221631
25A	3NO	1NC	AC 220V 60Hz	NC1-2501 220V 60Hz	221632
25A	3NO	1NC	AC 230V 50/60Hz	NC1-2501 230V 50/60Hz	221633
25A	3NO	1NC	AC 230V 50Hz	NC1-2501 230V 50Hz	221634
25A	3NO	1NC	AC 230V 60Hz	NC1-2501 230V 60Hz	221635
25A	3NO	1NC	AC 240V 50/60Hz	NC1-2501 240V 50/60Hz	221636
25A	3NO	1NC	AC 240V 50Hz	NC1-2501 240V 50Hz	221637
25A	3NO	1NC	AC 240V 60Hz	NC1-2501 240V 60Hz	221638
25A	3NO	1NC	AC 24V 50/60Hz	NC1-2501 24V 50/60Hz	221639
25A	3NO	1NC	AC 24V 50Hz	NC1-2501 24V 50Hz	221640
25A	3NO	1NC	AC 24V 60Hz	NC1-2501 24V 60Hz	221641
25A	3NO	1NC	AC 380V 50/60Hz	NC1-2501 380V 50/60Hz	221645
25A	3NO	1NC	AC 380V 50Hz	NC1-2501 380V 50Hz	221646
25A	3NO	1NC	AC 380V 60Hz	NC1-2501 380V 60Hz	221647
25A	3NO	1NC	AC 400V 50/60Hz	NC1-2501 400V 50/60Hz	221648
25A	3NO	1NC	AC 400V 50Hz	NC1-2501 400V 50Hz	221649
25A	3NO	1NC	AC 400V 60Hz	NC1-2501 400V 60Hz	221650
25A	3NO	1NC	AC 415V 50/60Hz	NC1-2501 415V 50/60Hz	221651
25A	3NO	1NC	AC 415V 50Hz	NC1-2501 415V 50Hz	221652
25A	3NO	1NC	AC 415V 60Hz	NC1-2501 415V 60Hz	221653
25A	3NO	1NC	AC 440V 50/60Hz	NC1-2501 440V 50/60Hz	221657
25A	3NO	1NC	AC 440V 50Hz	NC1-2501 440V 50Hz	221658
25A	3NO	1NC	AC 440V 60Hz	NC1-2501 440V 60Hz	221659
25A	3NO	1NC	AC 120V 50/60Hz	NC1-2501 120V 50/60Hz	225515
25A	3NO	1NC	AC 120V 50Hz	NC1-2501 120V 50Hz	225520
25A	3NO	1NC	AC 120V 60Hz	NC1-2501 120V 60Hz	225521
25A	3NO	1NC	AC 110V 50/60Hz	NC1-2501N 110V 50/60Hz	221666
25A	3NO	1NC	AC 110V 50Hz	NC1-2501N 110V 50Hz	221667
25A	3NO	1NC	AC 110V 60Hz	NC1-2501N 110V 60Hz	221668
25A	3NO	1NC	AC 220V 50/60Hz	NC1-2501N 220V 50/60Hz	221672
25A	3NO	1NC	AC 220V 50Hz	NC1-2501N 220V 50Hz	221673
25A	3NO	1NC	AC 220V 60Hz	NC1-2501N 220V 60Hz	221674
25A	3NO	1NC	AC 230V 50/60Hz	NC1-2501N 230V 50/60Hz	221675
25A	3NO	1NC	AC 230V 50Hz	NC1-2501N 230V 50Hz	221676
25A	3NO	1NC	AC 230V 60Hz	NC1-2501N 230V 60Hz	221677
25A	3NO	1NC	AC 240V 50/60Hz	NC1-2501N 240V 50/60Hz	221678
25A	3NO	1NC	AC 240V 50Hz	NC1-2501N 240V 50Hz	221679
25A	3NO	1NC	AC 240V 60Hz	NC1-2501N 240V 60Hz	221680
25A	3NO	1NC	AC 24V 50/60Hz	NC1-2501N 24V 50/60Hz	221681
25A	3NO	1NC	AC 24V 50Hz	NC1-2501N 24V 50Hz	221682
25A	3NO	1NC	AC 24V 60Hz	NC1-2501N 24V 60Hz	221683

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3NO	1NC	AC 380V 50/60Hz	NC1-2501N 380V 50/60Hz	221687
25A	3NO	1NC	AC 380V 50Hz	NC1-2501N 380V 50Hz	221688
25A	3NO	1NC	AC 380V 60Hz	NC1-2501N 380V 60Hz	221689
25A	3NO	1NC	AC 400V 50/60Hz	NC1-2501N 400V 50/60Hz	221690
25A	3NO	1NC	AC 400V 50Hz	NC1-2501N 400V 50Hz	221691
25A	3NO	1NC	AC 400V 60Hz	NC1-2501N 400V 60Hz	221692
25A	3NO	1NC	AC 415V 50/60Hz	NC1-2501N 415V 50/60Hz	221693
25A	3NO	1NC	AC 415V 50Hz	NC1-2501N 415V 50Hz	221694
25A	3NO	1NC	AC 415V 60Hz	NC1-2501N 415V 60Hz	221695
25A	3NO	1NC	AC 120V 50/60Hz	NC1-2501N 120V 50/60Hz	226029
25A	3NO	1NC	DC 110V	NC1-2501Z 110V	221711
25A	3NO	1NC	DC 220V	NC1-2501Z 220V	221712
25A	3NO	1NC	DC 24V	NC1-2501Z 24V	221713
25A	3NO	1NC	DC 48V	NC1-2501Z 48V	221714
25A	3NO	1NO	AC 110V 50/60Hz	NC1-2510 110V 50/60Hz	221852
25A	3NO	1NO	AC 110V 50Hz	NC1-2510 110V 50Hz	221853
25A	3NO	1NO	AC 110V 60Hz	NC1-2510 110V 60Hz	221854
25A	3NO	1NO	AC 120V 50/60Hz	NC1-2510 120V 50/60Hz	221855
25A	3NO	1NO	AC 120V 50Hz	NC1-2510 120V 50Hz	221856
25A	3NO	1NO	AC 120V 60Hz	NC1-2510 120V 60Hz	221857
25A	3NO	1NO	AC 220V 50/60Hz	NC1-2510 220V 50/60Hz	221861
25A	3NO	1NO	AC 220V 50Hz	NC1-2510 220V 50Hz	221862
25A	3NO	1NO	AC 220V 60Hz	NC1-2510 220V 60Hz	221863
25A	3NO	1NO	AC 230V 50/60Hz	NC1-2510 230V 50/60Hz	221864
25A	3NO	1NO	AC 230V 50Hz	NC1-2510 230V 50Hz	221865
25A	3NO	1NO	AC 230V 60Hz	NC1-2510 230V 60Hz	221866
25A	3NO	1NO	AC 240V 50/60Hz	NC1-2510 240V 50/60Hz	221867
25A	3NO	1NO	AC 240V 50Hz	NC1-2510 240V 50Hz	221868
25A	3NO	1NO	AC 240V 60Hz	NC1-2510 240V 60Hz	221869
25A	3NO	1NO	AC 24V 50/60Hz	NC1-2510 24V 50/60Hz	221870
25A	3NO	1NO	AC 24V 50Hz	NC1-2510 24V 50Hz	221871
25A	3NO	1NO	AC 24V 60Hz	NC1-2510 24V 60Hz	221872
25A	3NO	1NO	AC 380V 50/60Hz	NC1-2510 380V 50/60Hz	221876
25A	3NO	1NO	AC 380V 50Hz	NC1-2510 380V 50Hz	221877
25A	3NO	1NO	AC 380V 60Hz	NC1-2510 380V 60Hz	221878
25A	3NO	1NO	AC 400V 50/60Hz	NC1-2510 400V 50/60Hz	221879
25A	3NO	1NO	AC 400V 50Hz	NC1-2510 400V 50Hz	221880
25A	3NO	1NO	AC 400V 60Hz	NC1-2510 400V 60Hz	221881
25A	3NO	1NO	AC 415V 50/60Hz	NC1-2510 415V 50/60Hz	221882
25A	3NO	1NO	AC 415V 50Hz	NC1-2510 415V 50Hz	221883
25A	3NO	1NO	AC 415V 60Hz	NC1-2510 415V 60Hz	221884
25A	3NO	1NO	AC 440V 50/60Hz	NC1-2510 440V 50/60Hz	221888
25A	3NO	1NO	AC 440V 50Hz	NC1-2510 440V 50Hz	221889
25A	3NO	1NO	AC 440V 60Hz	NC1-2510 440V 60Hz	221890
25A	3NO	1NO	AC 110V 50/60Hz	NC1-2510N 110V 50/60Hz	221897

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3NO	1NO	AC 110V 50Hz	NC1-2510N 110V 50Hz	221898
25A	3NO	1NO	AC 110V 60Hz	NC1-2510N 110V 60Hz	221899
25A	3NO	1NO	AC 220V 50/60Hz	NC1-2510N 220V 50/60Hz	221903
25A	3NO	1NO	AC 220V 50Hz	NC1-2510N 220V 50Hz	221904
25A	3NO	1NO	AC 220V 60Hz	NC1-2510N 220V 60Hz	221905
25A	3NO	1NO	AC 230V 50/60Hz	NC1-2510N 230V 50/60Hz	221906
25A	3NO	1NO	AC 230V 50Hz	NC1-2510N 230V 50Hz	221907
25A	3NO	1NO	AC 230V 60Hz	NC1-2510N 230V 60Hz	221908
25A	3NO	1NO	AC 240V 50/60Hz	NC1-2510N 240V 50/60Hz	221909
25A	3NO	1NO	AC 240V 50Hz	NC1-2510N 240V 50Hz	221910
25A	3NO	1NO	AC 240V 60Hz	NC1-2510N 240V 60Hz	221911
25A	3NO	1NO	AC 24V 50/60Hz	NC1-2510N 24V 50/60Hz	221912
25A	3NO	1NO	AC 24V 50Hz	NC1-2510N 24V 50Hz	221913
25A	3NO	1NO	AC 24V 60Hz	NC1-2510N 24V 60Hz	221914
25A	3NO	1NO	AC 380V 50/60Hz	NC1-2510N 380V 50/60Hz	221918
25A	3NO	1NO	AC 380V 50Hz	NC1-2510N 380V 50Hz	221919
25A	3NO	1NO	AC 380V 60Hz	NC1-2510N 380V 60Hz	221920
25A	3NO	1NO	AC 400V 50/60Hz	NC1-2510N 400V 50/60Hz	221921
25A	3NO	1NO	AC 400V 50Hz	NC1-2510N 400V 50Hz	221922
25A	3NO	1NO	AC 400V 60Hz	NC1-2510N 400V 60Hz	221923
25A	3NO	1NO	AC 415V 50/60Hz	NC1-2510N 415V 50/60Hz	221924
25A	3NO	1NO	AC 415V 50Hz	NC1-2510N 415V 50Hz	221925
25A	3NO	1NO	AC 415V 60Hz	NC1-2510N 415V 60Hz	221926
25A	3NO	1NO	AC 120V 50/60Hz	NC1-2510N 120V 50/60Hz	226028
25A	3NO	1NO	DC 110V	NC1-2510Z 110V	221942
25A	3NO	1NO	DC 220V	NC1-2510Z 220V	221943
25A	3NO	1NO	DC 24V	NC1-2510Z 24V	221944
25A	3NO	1NO	DC 48V	NC1-2510Z 48V	221945
25A	3NO	1NO	DC 230V	NC1-2510Z⁇230V	225940
25A	4NO	-	AC 110V 50/60Hz	NC1-2504 110V 50/60Hz	221716
25A	4NO	-	AC 110V 50Hz	NC1-2504 110V 50Hz	221717
25A	4NO	-	AC 110V 60Hz	NC1-2504 110V 60Hz	221718
25A	4NO	-	AC 220V 50/60Hz	NC1-2504 220V 50/60Hz	221722
25A	4NO	-	AC 220V 50Hz	NC1-2504 220V 50Hz	221723
25A	4NO	-	AC 220V 60Hz	NC1-2504 220V 60Hz	221724
25A	4NO	-	AC 230V 50/60Hz	NC1-2504 230V 50/60Hz	221725
25A	4NO	-	AC 230V 50Hz	NC1-2504 230V 50Hz	221726
25A	4NO	-	AC 230V 60Hz	NC1-2504 230V 60Hz	221727
25A	4NO	-	AC 240V 50/60Hz	NC1-2504 240V 50/60Hz	221728
25A	4NO	-	AC 240V 50Hz	NC1-2504 240V 50Hz	221729
25A	4NO	-	AC 240V 60Hz	NC1-2504 240V 60Hz	221730
25A	4NO	-	AC 24V 50/60Hz	NC1-2504 24V 50/60Hz	221731
25A	4NO	-	AC 24V 50Hz	NC1-2504 24V 50Hz	221732
25A	4NO	-	AC 24V 60Hz	NC1-2504 24V 60Hz	221733
25A	4NO	-	AC 380V 50/60Hz	NC1-2504 380V 50/60Hz	221737

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	4NO	-	AC 380V 50Hz	NC1-2504 380V 50Hz	221738
25A	4NO	-	AC 380V 60Hz	NC1-2504 380V 60Hz	221739
25A	4NO	-	AC 400V 50/60Hz	NC1-2504 400V 50/60Hz	221740
25A	4NO	-	AC 400V 50Hz	NC1-2504 400V 50Hz	221741
25A	4NO	-	AC 400V 60Hz	NC1-2504 400V 60Hz	221742
25A	4NO	-	AC 415V 50/60Hz	NC1-2504 415V 50/60Hz	221743
25A	4NO	-	AC 415V 50Hz	NC1-2504 415V 50Hz	221744
25A	4NO	-	AC 415V 60Hz	NC1-2504 415V 60Hz	221745
25A	4NO	-	AC 440V 50/60Hz	NC1-2504 440V 50/60Hz	221749
25A	4NO	-	AC 440V 50Hz	NC1-2504 440V 50Hz	221750
25A	4NO	-	AC 440V 60Hz	NC1-2504 440V 60Hz	221751
25A	4NO	-	AC 120V 60Hz	NC1-2504 120V 60Hz	225528
25A	4NO	-	AC 120V 50/60Hz	NC1-2504 120V 50/60Hz	225827
25A	4NO	-	AC 110V 50/60Hz	NC1-2504N 110V 50/60Hz	221758
25A	4NO	-	AC 110V 50Hz	NC1-2504N 110V 50Hz	221759
25A	4NO	-	AC 110V 60Hz	NC1-2504N 110V 60Hz	221760
25A	4NO	-	AC 220V 50/60Hz	NC1-2504N 220V 50/60Hz	221764
25A	4NO	-	AC 220V 50Hz	NC1-2504N 220V 50Hz	221765
25A	4NO	-	AC 220V 60Hz	NC1-2504N 220V 60Hz	221766
25A	4NO	-	AC 230V 50/60Hz	NC1-2504N 230V 50/60Hz	221767
25A	4NO	-	AC 230V 50Hz	NC1-2504N 230V 50Hz	221768
25A	4NO	-	AC 230V 60Hz	NC1-2504N 230V 60Hz	221769
25A	4NO	-	AC 240V 50/60Hz	NC1-2504N 240V 50/60Hz	221770
25A	4NO	-	AC 240V 50Hz	NC1-2504N 240V 50Hz	221771
25A	4NO	-	AC 240V 60Hz	NC1-2504N 240V 60Hz	221772
25A	4NO	-	AC 24V 50/60Hz	NC1-2504N 24V 50/60Hz	221773
25A	4NO	-	AC 24V 50Hz	NC1-2504N 24V 50Hz	221774
25A	4NO	-	AC 24V 60Hz	NC1-2504N 24V 60Hz	221775
25A	4NO	-	AC 380V 50/60Hz	NC1-2504N 380V 50/60Hz	221779
25A	4NO	-	AC 380V 50Hz	NC1-2504N 380V 50Hz	221780
25A	4NO	-	AC 380V 60Hz	NC1-2504N 380V 60Hz	221781
25A	4NO	-	AC 400V 50/60Hz	NC1-2504N 400V 50/60Hz	221782
25A	4NO	-	AC 400V 50Hz	NC1-2504N 400V 50Hz	221783
25A	4NO	-	AC 400V 60Hz	NC1-2504N 400V 60Hz	221784
25A	4NO	-	AC 415V 50/60Hz	NC1-2504N 415V 50/60Hz	221785
25A	4NO	-	AC 415V 50Hz	NC1-2504N 415V 50Hz	221786
25A	4NO	-	AC 415V 60Hz	NC1-2504N 415V 60Hz	221787
25A	4NO	-	DC 110V	NC1-2504Z 110V	221800
25A	4NO	-	DC 220V	NC1-2504Z 220V	221801
25A	4NO	-	DC 24V	NC1-2504Z 24V	221802
25A	4NO	-	DC 48V	NC1-2504Z 48V	221803
25A	4NO	-	DC 125V	NC1-2504Z 125V	225995
25A	2NO+2NC	-	AC 110V 50/60Hz	NC1-2508 110V 50/60Hz	221805
25A	2NO+2NC	-	AC 110V 50Hz	NC1-2508 110V 50Hz	221806
25A	2NO+2NC	-	AC 110V 60Hz	NC1-2508 110V 60Hz	221807

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	2NO+2NC	-	AC 220V 50/60Hz	NC1-2508 220V 50/60Hz	221811
25A	2NO+2NC	-	AC 220V 50Hz	NC1-2508 220V 50Hz	221812
25A	2NO+2NC	-	AC 220V 60Hz	NC1-2508 220V 60Hz	221813
25A	2NO+2NC	-	AC 230V 50/60Hz	NC1-2508 230V 50/60Hz	221814
25A	2NO+2NC	-	AC 230V 50Hz	NC1-2508 230V 50Hz	221815
25A	2NO+2NC	-	AC 230V 60Hz	NC1-2508 230V 60Hz	221816
25A	2NO+2NC	-	AC 240V 50/60Hz	NC1-2508 240V 50/60Hz	221817
25A	2NO+2NC	-	AC 240V 50Hz	NC1-2508 240V 50Hz	221818
25A	2NO+2NC	-	AC 240V 60Hz	NC1-2508 240V 60Hz	221819
25A	2NO+2NC	-	AC 24V 50/60Hz	NC1-2508 24V 50/60Hz	221820
25A	2NO+2NC	-	AC 24V 50Hz	NC1-2508 24V 50Hz	221821
25A	2NO+2NC	-	AC 24V 60Hz	NC1-2508 24V 60Hz	221822
25A	2NO+2NC	-	AC 380V 50/60Hz	NC1-2508 380V 50/60Hz	221826
25A	2NO+2NC	-	AC 380V 50Hz	NC1-2508 380V 50Hz	221827
25A	2NO+2NC	-	AC 380V 60Hz	NC1-2508 380V 60Hz	221828
25A	2NO+2NC	-	AC 400V 50/60Hz	NC1-2508 400V 50/60Hz	221829
25A	2NO+2NC	-	AC 400V 50Hz	NC1-2508 400V 50Hz	221830
25A	2NO+2NC	-	AC 400V 60Hz	NC1-2508 400V 60Hz	221831
25A	2NO+2NC	-	AC 415V 50/60Hz	NC1-2508 415V 50/60Hz	221832
25A	2NO+2NC	-	AC 415V 50Hz	NC1-2508 415V 50Hz	221833
25A	2NO+2NC	-	AC 415V 60Hz	NC1-2508 415V 60Hz	221834
25A	2NO+2NC	-	AC 440V 50/60Hz	NC1-2508 440V 50/60Hz	221838
25A	2NO+2NC	-	AC 440V 50Hz	NC1-2508 440V 50Hz	221839
25A	2NO+2NC	-	AC 440V 60Hz	NC1-2508 440V 60Hz	221840
25A	2NO+2NC	-	AC 120V 60Hz	NC1-2508 120V 60Hz	225546
25A	2NO+2NC	-	AC 120V 50/60Hz	NC1-2508 120V 50/60Hz	225571
25A	2NO+2NC	-	DC 110V	NC1-2508Z 110V	221847
25A	2NO+2NC	-	DC 220V	NC1-2508Z 220V	221848
25A	2NO+2NC	-	DC 24V	NC1-2508Z 24V	221849
25A	2NO+2NC	-	DC 48V	NC1-2508Z 48V	221850

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3NO	1NC	AC 110V 50/60Hz	NC1-3201 110V 50/60Hz	221947
32A	3NO	1NC	AC 110V 50Hz	NC1-3201 110V 50Hz	221948
32A	3NO	1NC	AC 110V 60Hz	NC1-3201 110V 60Hz	221949
32A	3NO	1NC	AC 220V 50/60Hz	NC1-3201 220V 50/60Hz	221953
32A	3NO	1NC	AC 220V 50Hz	NC1-3201 220V 50Hz	221954
32A	3NO	1NC	AC 220V 60Hz	NC1-3201 220V 60Hz	221955
32A	3NO	1NC	AC 230V 50/60Hz	NC1-3201 230V 50/60Hz	221956
32A	3NO	1NC	AC 230V 50Hz	NC1-3201 230V 50Hz	221957
32A	3NO	1NC	AC 230V 60Hz	NC1-3201 230V 60Hz	221958
32A	3NO	1NC	AC 240V 50/60Hz	NC1-3201 240V 50/60Hz	221959
32A	3NO	1NC	AC 240V 50Hz	NC1-3201 240V 50Hz	221960
32A	3NO	1NC	AC 240V 60Hz	NC1-3201 240V 60Hz	221961
32A	3NO	1NC	AC 24V 50/60Hz	NC1-3201 24V 50/60Hz	221962
32A	3NO	1NC	AC 24V 50Hz	NC1-3201 24V 50Hz	221963
32A	3NO	1NC	AC 24V 60Hz	NC1-3201 24V 60Hz	221964
32A	3NO	1NC	AC 380V 50/60Hz	NC1-3201 380V 50/60Hz	221968
32A	3NO	1NC	AC 380V 50Hz	NC1-3201 380V 50Hz	221969
32A	3NO	1NC	AC 380V 60Hz	NC1-3201 380V 60Hz	221970
32A	3NO	1NC	AC 400V 50/60Hz	NC1-3201 400V 50/60Hz	221971
32A	3NO	1NC	AC 400V 50Hz	NC1-3201 400V 50Hz	221972
32A	3NO	1NC	AC 400V 60Hz	NC1-3201 400V 60Hz	221973
32A	3NO	1NC	AC 415V 50/60Hz	NC1-3201 415V 50/60Hz	221974
32A	3NO	1NC	AC 415V 50Hz	NC1-3201 415V 50Hz	221975
32A	3NO	1NC	AC 415V 60Hz	NC1-3201 415V 60Hz	221976
32A	3NO	1NC	AC 440V 50/60Hz	NC1-3201 440V 50/60Hz	221980
32A	3NO	1NC	AC 440V 50Hz	NC1-3201 440V 50Hz	221981
32A	3NO	1NC	AC 440V 60Hz	NC1-3201 440V 60Hz	221982
32A	3NO	1NC	AC 120V 50/60Hz	NC1-3201 120V 50/60Hz	225516
32A	3NO	1NC	AC 120V 60Hz	NC1-3201 120V 60Hz	225522
32A	3NO	1NC	AC 120V 50Hz	NC1-3201 120V 50Hz	225523
32A	3NO	1NC	AC 110V 50/60Hz	NC1-3201N 110V 50/60Hz	221989
32A	3NO	1NC	AC 110V 50Hz	NC1-3201N 110V 50Hz	221990
32A	3NO	1NC	AC 110V 60Hz	NC1-3201N 110V 60Hz	221991
32A	3NO	1NC	AC 220V 50/60Hz	NC1-3201N 220V 50/60Hz	221995
32A	3NO	1NC	AC 220V 50Hz	NC1-3201N 220V 50Hz	221996
32A	3NO	1NC	AC 220V 60Hz	NC1-3201N 220V 60Hz	221997
32A	3NO	1NC	AC 230V 50/60Hz	NC1-3201N 230V 50/60Hz	221998
32A	3NO	1NC	AC 230V 50Hz	NC1-3201N 230V 50Hz	221999
32A	3NO	1NC	AC 230V 60Hz	NC1-3201N 230V 60Hz	222000
32A	3NO	1NC	AC 240V 50/60Hz	NC1-3201N 240V 50/60Hz	222001

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3NO	1NC	AC 240V 50Hz	NC1-3201N 240V 50Hz	222002
32A	3NO	1NC	AC 240V 60Hz	NC1-3201N 240V 60Hz	222003
32A	3NO	1NC	AC 24V 50/60Hz	NC1-3201N 24V 50/60Hz	222004
32A	3NO	1NC	AC 24V 50Hz	NC1-3201N 24V 50Hz	222005
32A	3NO	1NC	AC 24V 60Hz	NC1-3201N 24V 60Hz	222006
32A	3NO	1NC	AC 380V 50/60Hz	NC1-3201N 380V 50/60Hz	222010
32A	3NO	1NC	AC 380V 50Hz	NC1-3201N 380V 50Hz	222011
32A	3NO	1NC	AC 380V 60Hz	NC1-3201N 380V 60Hz	222012
32A	3NO	1NC	AC 400V 50/60Hz	NC1-3201N 400V 50/60Hz	222013
32A	3NO	1NC	AC 400V 50Hz	NC1-3201N 400V 50Hz	222014
32A	3NO	1NC	AC 400V 60Hz	NC1-3201N 400V 60Hz	222015
32A	3NO	1NC	AC 415V 50/60Hz	NC1-3201N 415V 50/60Hz	222016
32A	3NO	1NC	AC 415V 50Hz	NC1-3201N 415V 50Hz	222017
32A	3NO	1NC	AC 415V 60Hz	NC1-3201N 415V 60Hz	222018
32A	3NO	1NC	AC 120V 60Hz	NC1-3201N 120V 60Hz	225574
32A	3NO	1NC	AC 120V 50/60Hz	NC1-3201N 120V 50/60Hz	226031
32A	3NO	1NC	DC 110V	NC1-3201Z 110V	222034
32A	3NO	1NC	DC 220V	NC1-3201Z 220V	222035
32A	3NO	1NC	DC 24V	NC1-3201Z 24V	222036
32A	3NO	1NC	DC 48V	NC1-3201Z 48V	222037
32A	3NO	1NO	AC 110V 50/60Hz	NC1-3210 110V 50/60Hz	222039
32A	3NO	1NO	AC 110V 50Hz	NC1-3210 110V 50Hz	222040
32A	3NO	1NO	AC 110V 60Hz	NC1-3210 110V 60Hz	222041
32A	3NO	1NO	AC 120V 50/60Hz	NC1-3210 120V 50/60Hz	222042
32A	3NO	1NO	AC 120V 50Hz	NC1-3210 120V 50Hz	222043
32A	3NO	1NO	AC 120V 60Hz	NC1-3210 120V 60Hz	222044
32A	3NO	1NO	AC 220V 50/60Hz	NC1-3210 220V 50/60Hz	222048
32A	3NO	1NO	AC 220V 50Hz	NC1-3210 220V 50Hz	222049
32A	3NO	1NO	AC 220V 60Hz	NC1-3210 220V 60Hz	222050
32A	3NO	1NO	AC 230V 50Hz	NC1-3210 230V 50Hz	222051
32A	3NO	1NO	AC 230V 60Hz	NC1-3210 230V 60Hz	222052
32A	3NO	1NO	AC 240V 50/60Hz	NC1-3210 240V 50/60Hz	222053
32A	3NO	1NO	AC 240V 50Hz	NC1-3210 240V 50Hz	222054
32A	3NO	1NO	AC 240V 60Hz	NC1-3210 240V 60Hz	222055
32A	3NO	1NO	AC 24V 50/60Hz	NC1-3210 24V 50/60Hz	222056
32A	3NO	1NO	AC 24V 50Hz	NC1-3210 24V 50Hz	222057
32A	3NO	1NO	AC 24V 60Hz	NC1-3210 24V 60Hz	222058
32A	3NO	1NO	AC 380V 50/60Hz	NC1-3210 380V 50/60Hz	222062
32A	3NO	1NO	AC 380V 50Hz	NC1-3210 380V 50Hz	222063
32A	3NO	1NO	AC 380V 60Hz	NC1-3210 380V 60Hz	222064

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3NO	1NO	AC 400V 50/60Hz	NC1-3210 400V 50/60Hz	222065
32A	3NO	1NO	AC 400V 50Hz	NC1-3210 400V 50Hz	222066
32A	3NO	1NO	AC 400V 60Hz	NC1-3210 400V 60Hz	222067
32A	3NO	1NO	AC 415V 50/60Hz	NC1-3210 415V 50/60Hz	222068
32A	3NO	1NO	AC 415V 50Hz	NC1-3210 415V 50Hz	222069
32A	3NO	1NO	AC 415V 60Hz	NC1-3210 415V 60Hz	222070
32A	3NO	1NO	AC 440V 50/60Hz	NC1-3210 440V 50/60Hz	222074
32A	3NO	1NO	AC 440V 50Hz	NC1-3210 440V 50Hz	222075
32A	3NO	1NO	AC 440V 60Hz	NC1-3210 440V 60Hz	222076
32A	3NO	1NO	AC 230V 50/60Hz	NC1-3210 230V 50/60Hz	225514
32A	3NO	1NO	AC 110V 50/60Hz	NC1-3210N 110V 50/60Hz	222083
32A	3NO	1NO	AC 110V 50Hz	NC1-3210N 110V 50Hz	222084
32A	3NO	1NO	AC 110V 60Hz	NC1-3210N 110V 60Hz	222085
32A	3NO	1NO	AC 220V 50/60Hz	NC1-3210N 220V 50/60Hz	222089
32A	3NO	1NO	AC 220V 50Hz	NC1-3210N 220V 50Hz	222090
32A	3NO	1NO	AC 220V 60Hz	NC1-3210N 220V 60Hz	222091
32A	3NO	1NO	AC 230V 50/60Hz	NC1-3210N 230V 50/60Hz	222092
32A	3NO	1NO	AC 230V 50Hz	NC1-3210N 230V 50Hz	222093
32A	3NO	1NO	AC 230V 60Hz	NC1-3210N 230V 60Hz	222094
32A	3NO	1NO	AC 240V 50/60Hz	NC1-3210N 240V 50/60Hz	222095
32A	3NO	1NO	AC 240V 50Hz	NC1-3210N 240V 50Hz	222096
32A	3NO	1NO	AC 240V 60Hz	NC1-3210N 240V 60Hz	222097
32A	3NO	1NO	AC 24V 50/60Hz	NC1-3210N 24V 50/60Hz	222098
32A	3NO	1NO	AC 24V 50Hz	NC1-3210N 24V 50Hz	222099
32A	3NO	1NO	AC 24V 60Hz	NC1-3210N 24V 60Hz	222100
32A	3NO	1NO	AC 380V 50/60Hz	NC1-3210N 380V 50/60Hz	222104
32A	3NO	1NO	AC 380V 50Hz	NC1-3210N 380V 50Hz	222105
32A	3NO	1NO	AC 380V 60Hz	NC1-3210N 380V 60Hz	222106
32A	3NO	1NO	AC 400V 50/60Hz	NC1-3210N 400V 50/60Hz	222107
32A	3NO	1NO	AC 400V 50Hz	NC1-3210N 400V 50Hz	222108
32A	3NO	1NO	AC 400V 60Hz	NC1-3210N 400V 60Hz	222109
32A	3NO	1NO	AC 415V 50/60Hz	NC1-3210N 415V 50/60Hz	222110
32A	3NO	1NO	AC 415V 50Hz	NC1-3210N 415V 50Hz	222111
32A	3NO	1NO	AC 415V 60Hz	NC1-3210N 415V 60Hz	222112
32A	3NO	1NO	AC 120V 50/60Hz	NC1-3210N 120V 50/60Hz	253665
32A	3NO	1NO	DC 110V	NC1-3210Z 110V	222128
32A	3NO	1NO	DC 220V	NC1-3210Z 220V	222129
32A	3NO	1NO	DC 24V	NC1-3210Z 24V	222130
32A	3NO	1NO	DC 48V	NC1-3210Z 48V	222131

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-4011 110V 50/60Hz	222259
40A	3NO	1NO+1NC	AC 110V 50Hz	NC1-4011 110V 50Hz	222260
40A	3NO	1NO+1NC	AC 110V 60Hz	NC1-4011 110V 60Hz	222261
40A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-4011 120V 50/60Hz	222262
40A	3NO	1NO+1NC	AC 120V 50Hz	NC1-4011 120V 50Hz	222263
40A	3NO	1NO+1NC	AC 120V 60Hz	NC1-4011 120V 60Hz	222264
40A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-4011 220V 50/60Hz	222268
40A	3NO	1NO+1NC	AC 220V 50Hz	NC1-4011 220V 50Hz	222269
40A	3NO	1NO+1NC	AC 220V 60Hz	NC1-4011 220V 60Hz	222270
40A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-4011 230V 50/60Hz	222271
40A	3NO	1NO+1NC	AC 230V 50Hz	NC1-4011 230V 50Hz	222272
40A	3NO	1NO+1NC	AC 230V 60Hz	NC1-4011 230V 60Hz	222273
40A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-4011 240V 50/60Hz	222274
40A	3NO	1NO+1NC	AC 240V 50Hz	NC1-4011 240V 50Hz	222275
40A	3NO	1NO+1NC	AC 240V 60Hz	NC1-4011 240V 60Hz	222276
40A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-4011 24V 50/60Hz	222277
40A	3NO	1NO+1NC	AC 24V 50Hz	NC1-4011 24V 50Hz	222278
40A	3NO	1NO+1NC	AC 24V 60Hz	NC1-4011 24V 60Hz	222279
40A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-4011 380V 50/60Hz	222283
40A	3NO	1NO+1NC	AC 380V 50Hz	NC1-4011 380V 50Hz	222284
40A	3NO	1NO+1NC	AC 380V 60Hz	NC1-4011 380V 60Hz	222285
40A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-4011 400V 50/60Hz	222286
40A	3NO	1NO+1NC	AC 400V 50Hz	NC1-4011 400V 50Hz	222287
40A	3NO	1NO+1NC	AC 400V 60Hz	NC1-4011 400V 60Hz	222288
40A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-4011 415V 50/60Hz	222289
40A	3NO	1NO+1NC	AC 415V 50Hz	NC1-4011 415V 50Hz	222290
40A	3NO	1NO+1NC	AC 415V 60Hz	NC1-4011 415V 60Hz	222291
40A	3NO	1NO+1NC	AC 440V 50/60Hz	NC1-4011 440V 50/60Hz	222295
40A	3NO	1NO+1NC	AC 440V 50Hz	NC1-4011 440V 50Hz	222296
40A	3NO	1NO+1NC	AC 440V 60Hz	NC1-4011 440V 60Hz	222297
40A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-4011N 110V 50/60Hz	222304
40A	3NO	1NO+1NC	AC 110V 50Hz	NC1-4011N 110V 50Hz	222305
40A	3NO	1NO+1NC	AC 110V 60Hz	NC1-4011N 110V 60Hz	222306
40A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-4011N 220V 50/60Hz	222310
40A	3NO	1NO+1NC	AC 220V 50Hz	NC1-4011N 220V 50Hz	222311
40A	3NO	1NO+1NC	AC 220V 60Hz	NC1-4011N 220V 60Hz	222312
40A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-4011N 230V 50/60Hz	222313
40A	3NO	1NO+1NC	AC 230V 50Hz	NC1-4011N 230V 50Hz	222314
40A	3NO	1NO+1NC	AC 230V 60Hz	NC1-4011N 230V 60Hz	222315
40A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-4011N 240V 50/60Hz	222316
40A	3NO	1NO+1NC	AC 240V 50Hz	NC1-4011N 240V 50Hz	222317
40A	3NO	1NO+1NC	AC 240V 60Hz	NC1-4011N 240V 60Hz	222318
40A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-4011N 24V 50/60Hz	222319
40A	3NO	1NO+1NC	AC 24V 50Hz	NC1-4011N 24V 50Hz	222320
40A	3NO	1NO+1NC	AC 24V 60Hz	NC1-4011N 24V 60Hz	222321
40A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-4011N 380V 50/60Hz	222325
40A	3NO	1NO+1NC	AC 380V 50Hz	NC1-4011N 380V 50Hz	222326
40A	3NO	1NO+1NC	AC 380V 60Hz	NC1-4011N 380V 60Hz	222327
40A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-4011N 400V 50/60Hz	222328
40A	3NO	1NO+1NC	AC 400V 50Hz	NC1-4011N 400V 50Hz	222329

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	3NO	1NO+1NC	AC 400V 60Hz	NC1-4011N 400V 60Hz	222330
40A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-4011N 415V 50/60Hz	222331
40A	3NO	1NO+1NC	AC 415V 50Hz	NC1-4011N 415V 50Hz	222332
40A	3NO	1NO+1NC	AC 415V 60Hz	NC1-4011N 415V 60Hz	222333
40A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-4011N 120V 50/60Hz	226032
40A	3NO	1NO+1NC	DC 110V	NC1-4011Z 110V	222349
40A	3NO	1NO+1NC	DC 220V	NC1-4011Z 220V	222350
40A	3NO	1NO+1NC	DC 24V	NC1-4011Z 24V	222351
40A	3NO	1NO+1NC	DC 48V	NC1-4011Z 48V	222352
40A	4NO	-	AC 110V 50/60Hz	NC1-4004 110V 50/60Hz	222133
40A	4NO	-	AC 110V 50Hz	NC1-4004 110V 50Hz	222134
40A	4NO	-	AC 110V 60Hz	NC1-4004 110V 60Hz	222135
40A	4NO	-	AC 220V 50/60Hz	NC1-4004 220V 50/60Hz	222139
40A	4NO	-	AC 220V 50Hz	NC1-4004 220V 50Hz	222140
40A	4NO	-	AC 220V 60Hz	NC1-4004 220V 60Hz	222141
40A	4NO	-	AC 230V 50/60Hz	NC1-4004 230V 50/60Hz	222142
40A	4NO	-	AC 230V 50Hz	NC1-4004 230V 50Hz	222143
40A	4NO	-	AC 230V 60Hz	NC1-4004 230V 60Hz	222144
40A	4NO	-	AC 240V 50/60Hz	NC1-4004 240V 50/60Hz	222145
40A	4NO	-	AC 240V 50Hz	NC1-4004 240V 50Hz	222146
40A	4NO	-	AC 240V 60Hz	NC1-4004 240V 60Hz	222147
40A	4NO	-	AC 24V 50/60Hz	NC1-4004 24V 50/60Hz	222148
40A	4NO	-	AC 24V 50Hz	NC1-4004 24V 50Hz	222149
40A	4NO	-	AC 24V 60Hz	NC1-4004 24V 60Hz	222150
40A	4NO	-	AC 380V 50/60Hz	NC1-4004 380V 50/60Hz	222154
40A	4NO	-	AC 380V 50Hz	NC1-4004 380V 50Hz	222155
40A	4NO	-	AC 380V 60Hz	NC1-4004 380V 60Hz	222156
40A	4NO	-	AC 400V 50/60Hz	NC1-4004 400V 50/60Hz	222157
40A	4NO	-	AC 400V 50Hz	NC1-4004 400V 50Hz	222158
40A	4NO	-	AC 400V 60Hz	NC1-4004 400V 60Hz	222159
40A	4NO	-	AC 415V 50/60Hz	NC1-4004 415V 50/60Hz	222160
40A	4NO	-	AC 415V 50Hz	NC1-4004 415V 50Hz	222161
40A	4NO	-	AC 415V 60Hz	NC1-4004 415V 60Hz	222162
40A	4NO	-	AC 440V 50/60Hz	NC1-4004 440V 50/60Hz	222166
40A	4NO	-	AC 440V 50Hz	NC1-4004 440V 50Hz	222167
40A	4NO	-	AC 440V 60Hz	NC1-4004 440V 60Hz	222168
40A	4NO	-	AC 120V 60Hz	NC1-4004 120V 60Hz	225550
40A	4NO	-	AC 120V 50/60Hz	NC1-4004 120V 50/60Hz	225829
40A	4NO	-	AC 110V 50/60Hz	NC1-4004N 110V 50/60Hz	222175
40A	4NO	-	AC 110V 50Hz	NC1-4004N 110V 50Hz	222176
40A	4NO	-	AC 110V 60Hz	NC1-4004N 110V 60Hz	222177
40A	4NO	-	AC 220V 50/60Hz	NC1-4004N 220V 50/60Hz	222181
40A	4NO	-	AC 220V 50Hz	NC1-4004N 220V 50Hz	222182
40A	4NO	-	AC 220V 60Hz	NC1-4004N 220V 60Hz	222183
40A	4NO	-	AC 230V 50/60Hz	NC1-4004N 230V 50/60Hz	222184
40A	4NO	-	AC 230V 50Hz	NC1-4004N 230V 50Hz	222185
40A	4NO	-	AC 230V 60Hz	NC1-4004N 230V 60Hz	222186
40A	4NO	-	AC 240V 50/60Hz	NC1-4004N 240V 50/60Hz	222187
40A	4NO	-	AC 240V 50Hz	NC1-4004N 240V 50Hz	222188
40A	4NO	-	AC 240V 60Hz	NC1-4004N 240V 60Hz	222189

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	4NO	-	AC 24V 50/60Hz	NC1-4004N 24V 50/60Hz	222190
40A	4NO	-	AC 24V 50Hz	NC1-4004N 24V 50Hz	222191
40A	4NO	-	AC 24V 60Hz	NC1-4004N 24V 60Hz	222192
40A	4NO	-	AC 380V 50/60Hz	NC1-4004N 380V 50/60Hz	222196
40A	4NO	-	AC 380V 50Hz	NC1-4004N 380V 50Hz	222197
40A	4NO	-	AC 380V 60Hz	NC1-4004N 380V 60Hz	222198
40A	4NO	-	AC 400V 50/60Hz	NC1-4004N 400V 50/60Hz	222199
40A	4NO	-	AC 400V 50Hz	NC1-4004N 400V 50Hz	222200
40A	4NO	-	AC 400V 60Hz	NC1-4004N 400V 60Hz	222201
40A	4NO	-	AC 415V 50/60Hz	NC1-4004N 415V 50/60Hz	222202
40A	4NO	-	AC 415V 50Hz	NC1-4004N 415V 50Hz	222203
40A	4NO	-	AC 415V 60Hz	NC1-4004N 415V 60Hz	222204
40A	4NO	-	DC 24V	NC1-4004Z 24V	225576
40A	4NO	-	DC 110V	NC1-4004Z 110V	225943
40A	4NO	-	DC 220V	NC1-4004Z 220V	225945
40A	4NO	-	DC 48V	NC1-4004Z 48V	226012
40A	2NO+2NC	-	AC 110V 50/60Hz	NC1-4008 110V 50/60Hz	222217
40A	2NO+2NC	-	AC 110V 50Hz	NC1-4008 110V 50Hz	222218
40A	2NO+2NC	-	AC 110V 60Hz	NC1-4008 110V 60Hz	222219
40A	2NO+2NC	-	AC 220V 50/60Hz	NC1-4008 220V 50/60Hz	222223
40A	2NO+2NC	-	AC 220V 50Hz	NC1-4008 220V 50Hz	222224
40A	2NO+2NC	-	AC 220V 60Hz	NC1-4008 220V 60Hz	222225
40A	2NO+2NC	-	AC 230V 50/60Hz	NC1-4008 230V 50/60Hz	222226
40A	2NO+2NC	-	AC 230V 50Hz	NC1-4008 230V 50Hz	222227
40A	2NO+2NC	-	AC 230V 60Hz	NC1-4008 230V 60Hz	222228
40A	2NO+2NC	-	AC 240V 50/60Hz	NC1-4008 240V 50/60Hz	222229
40A	2NO+2NC	-	AC 240V 50Hz	NC1-4008 240V 50Hz	222230
40A	2NO+2NC	-	AC 240V 60Hz	NC1-4008 240V 60Hz	222231
40A	2NO+2NC	-	AC 24V 50/60Hz	NC1-4008 24V 50/60Hz	222232
40A	2NO+2NC	-	AC 24V 50Hz	NC1-4008 24V 50Hz	222233
40A	2NO+2NC	-	AC 24V 60Hz	NC1-4008 24V 60Hz	222234
40A	2NO+2NC	-	AC 380V 50/60Hz	NC1-4008 380V 50/60Hz	222238
40A	2NO+2NC	-	AC 380V 50Hz	NC1-4008 380V 50Hz	222239
40A	2NO+2NC	-	AC 380V 60Hz	NC1-4008 380V 60Hz	222240
40A	2NO+2NC	-	AC 400V 50/60Hz	NC1-4008 400V 50/60Hz	222241
40A	2NO+2NC	-	AC 400V 50Hz	NC1-4008 400V 50Hz	222242
40A	2NO+2NC	-	AC 400V 60Hz	NC1-4008 400V 60Hz	222243
40A	2NO+2NC	-	AC 415V 50/60Hz	NC1-4008 415V 50/60Hz	222244
40A	2NO+2NC	-	AC 415V 50Hz	NC1-4008 415V 50Hz	222245
40A	2NO+2NC	-	AC 415V 60Hz	NC1-4008 415V 60Hz	222246
40A	2NO+2NC	-	AC 440V 50/60Hz	NC1-4008 440V 50/60Hz	222250
40A	2NO+2NC	-	AC 440V 50Hz	NC1-4008 440V 50Hz	222251
40A	2NO+2NC	-	AC 440V 60Hz	NC1-4008 440V 60Hz	222252
40A	2NO+2NC	-	AC 120V 60Hz	NC1-4008 120V 60Hz	225544
40A	2NO+2NC	-	AC 120V 50/60Hz	NC1-4008 120V 50/60Hz	225572
40A	2NO+2NC	-	DC 24V	NC1-4008Z 24V	225575
40A	2NO+2NC	-	DC 110V	NC1-4008Z 110V	225947
40A	2NO+2NC	-	DC 220V	NC1-4008Z 220V	225949

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
50A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-5011 110V 50/60Hz	222480
50A	3NO	1NO+1NC	AC 110V 50Hz	NC1-5011 110V 50Hz	222481
50A	3NO	1NO+1NC	AC 110V 60Hz	NC1-5011 110V 60Hz	222482
50A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-5011 120V 50/60Hz	222483
50A	3NO	1NO+1NC	AC 120V 50Hz	NC1-5011 120V 50Hz	222484
50A	3NO	1NO+1NC	AC 120V 60Hz	NC1-5011 120V 60Hz	222485
50A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-5011 220V 50/60Hz	222489
50A	3NO	1NO+1NC	AC 220V 50Hz	NC1-5011 220V 50Hz	222490
50A	3NO	1NO+1NC	AC 220V 60Hz	NC1-5011 220V 60Hz	222491
50A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-5011 230V 50/60Hz	222492
50A	3NO	1NO+1NC	AC 230V 50Hz	NC1-5011 230V 50Hz	222493
50A	3NO	1NO+1NC	AC 230V 60Hz	NC1-5011 230V 60Hz	222494
50A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-5011 240V 50/60Hz	222495
50A	3NO	1NO+1NC	AC 240V 50Hz	NC1-5011 240V 50Hz	222496
50A	3NO	1NO+1NC	AC 240V 60Hz	NC1-5011 240V 60Hz	222497
50A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-5011 24V 50/60Hz	222498
50A	3NO	1NO+1NC	AC 24V 50Hz	NC1-5011 24V 50Hz	222499
50A	3NO	1NO+1NC	AC 24V 60Hz	NC1-5011 24V 60Hz	222500
50A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-5011 380V 50/60Hz	222504
50A	3NO	1NO+1NC	AC 380V 50Hz	NC1-5011 380V 50Hz	222505
50A	3NO	1NO+1NC	AC 380V 60Hz	NC1-5011 380V 60Hz	222506
50A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-5011 400V 50/60Hz	222507
50A	3NO	1NO+1NC	AC 400V 50Hz	NC1-5011 400V 50Hz	222508
50A	3NO	1NO+1NC	AC 400V 60Hz	NC1-5011 400V 60Hz	222509
50A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-5011 415V 50/60Hz	222510
50A	3NO	1NO+1NC	AC 415V 50Hz	NC1-5011 415V 50Hz	222511
50A	3NO	1NO+1NC	AC 415V 60Hz	NC1-5011 415V 60Hz	222512
50A	3NO	1NO+1NC	AC 440V 50/60Hz	NC1-5011 440V 50/60Hz	222516
50A	3NO	1NO+1NC	AC 440V 50Hz	NC1-5011 440V 50Hz	222517
50A	3NO	1NO+1NC	AC 440V 60Hz	NC1-5011 440V 60Hz	222518
50A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-5011N 110V 50/60Hz	222525
50A	3NO	1NO+1NC	AC 110V 50Hz	NC1-5011N 110V 50Hz	222526
50A	3NO	1NO+1NC	AC 110V 60Hz	NC1-5011N 110V 60Hz	222527
50A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-5011N 220V 50/60Hz	222531
50A	3NO	1NO+1NC	AC 220V 50Hz	NC1-5011N 220V 50Hz	222532
50A	3NO	1NO+1NC	AC 220V 60Hz	NC1-5011N 220V 60Hz	222533
50A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-5011N 230V 50/60Hz	222534
50A	3NO	1NO+1NC	AC 230V 50Hz	NC1-5011N 230V 50Hz	222535
50A	3NO	1NO+1NC	AC 230V 60Hz	NC1-5011N 230V 60Hz	222536
50A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-5011N 240V 50/60Hz	222537
50A	3NO	1NO+1NC	AC 240V 50Hz	NC1-5011N 240V 50Hz	222538
50A	3NO	1NO+1NC	AC 240V 60Hz	NC1-5011N 240V 60Hz	222539
50A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-5011N 24V 50/60Hz	222540
50A	3NO	1NO+1NC	AC 24V 50Hz	NC1-5011N 24V 50Hz	222541
50A	3NO	1NO+1NC	AC 24V 60Hz	NC1-5011N 24V 60Hz	222542
50A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-5011N 380V 50/60Hz	222546
50A	3NO	1NO+1NC	AC 380V 50Hz	NC1-5011N 380V 50Hz	222547
50A	3NO	1NO+1NC	AC 380V 60Hz	NC1-5011N 380V 60Hz	222548
50A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-5011N 400V 50/60Hz	222549
50A	3NO	1NO+1NC	AC 400V 50Hz	NC1-5011N 400V 50Hz	222550

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
50A	3NO	1NO+1NC	AC 400V 60Hz	NC1-5011N 400V 60Hz	222551
50A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-5011N 415V 50/60Hz	222552
50A	3NO	1NO+1NC	AC 415V 50Hz	NC1-5011N 415V 50Hz	222553
50A	3NO	1NO+1NC	AC 415V 60Hz	NC1-5011N 415V 60Hz	222554
50A	3NO	1NO+1NC	AC 120V 60Hz	NC1-5011N 120V 60Hz	225539
50A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-5011N 120V 50/60Hz	226969
50A	3NO	1NO+1NC	DC 110V	NC1-5011Z 110V	222570
50A	3NO	1NO+1NC	DC 220V	NC1-5011Z 220V	222571
50A	3NO	1NO+1NC	DC 24V	NC1-5011Z 24V	222572
50A	3NO	1NO+1NC	DC 48V	NC1-5011Z 48V	222573
50A	4NO	-	AC 110V 50/60Hz	NC1-5004 110V 50/60Hz	222354
50A	4NO	-	AC 110V 50Hz	NC1-5004 110V 50Hz	222355
50A	4NO	-	AC 110V 60Hz	NC1-5004 110V 60Hz	222356
50A	4NO	-	AC 220V 50/60Hz	NC1-5004 220V 50/60Hz	222360
50A	4NO	-	AC 220V 50Hz	NC1-5004 220V 50Hz	222361
50A	4NO	-	AC 220V 60Hz	NC1-5004 220V 60Hz	222362
50A	4NO	-	AC 230V 50/60Hz	NC1-5004 230V 50/60Hz	222363
50A	4NO	-	AC 230V 50Hz	NC1-5004 230V 50Hz	222364
50A	4NO	-	AC 230V 60Hz	NC1-5004 230V 60Hz	222365
50A	4NO	-	AC 240V 50/60Hz	NC1-5004 240V 50/60Hz	222366
50A	4NO	-	AC 240V 50Hz	NC1-5004 240V 50Hz	222367
50A	4NO	-	AC 240V 60Hz	NC1-5004 240V 60Hz	222368
50A	4NO	-	AC 24V 50/60Hz	NC1-5004 24V 50/60Hz	222369
50A	4NO	-	AC 24V 50Hz	NC1-5004 24V 50Hz	222370
50A	4NO	-	AC 24V 60Hz	NC1-5004 24V 60Hz	222371
50A	4NO	-	AC 380V 50/60Hz	NC1-5004 380V 50/60Hz	222375
50A	4NO	-	AC 380V 50Hz	NC1-5004 380V 50Hz	222376
50A	4NO	-	AC 380V 60Hz	NC1-5004 380V 60Hz	222377
50A	4NO	-	AC 400V 50/60Hz	NC1-5004 400V 50/60Hz	222378
50A	4NO	-	AC 400V 50Hz	NC1-5004 400V 50Hz	222379
50A	4NO	-	AC 400V 60Hz	NC1-5004 400V 60Hz	222380
50A	4NO	-	AC 415V 50/60Hz	NC1-5004 415V 50/60Hz	222381
50A	4NO	-	AC 415V 50Hz	NC1-5004 415V 50Hz	222382
50A	4NO	-	AC 415V 60Hz	NC1-5004 415V 60Hz	222383
50A	4NO	-	AC 440V 50/60Hz	NC1-5004 440V 50/60Hz	222387
50A	4NO	-	AC 440V 50Hz	NC1-5004 440V 50Hz	222388
50A	4NO	-	AC 440V 60Hz	NC1-5004 440V 60Hz	222389
50A	4NO	-	AC 120V 60Hz	NC1-5004 120V 60Hz	225551
50A	4NO	-	AC 120V 50/60Hz	NC1-5004 120V 50/60Hz	226573
50A	4NO	-	AC 110V 50/60Hz	NC1-5004N 110V 50/60Hz	222396
50A	4NO	-	AC 110V 50Hz	NC1-5004N 110V 50Hz	222397
50A	4NO	-	AC 110V 60Hz	NC1-5004N 110V 60Hz	222398
50A	4NO	-	AC 220V 50/60Hz	NC1-5004N 220V 50/60Hz	222402
50A	4NO	-	AC 220V 50Hz	NC1-5004N 220V 50Hz	222403
50A	4NO	-	AC 220V 60Hz	NC1-5004N 220V 60Hz	222404
50A	4NO	-	AC 230V 50/60Hz	NC1-5004N 230V 50/60Hz	222405
50A	4NO	-	AC 230V 50Hz	NC1-5004N 230V 50Hz	222406
50A	4NO	-	AC 230V 60Hz	NC1-5004N 230V 60Hz	222407
50A	4NO	-	AC 240V 50/60Hz	NC1-5004N 240V 50/60Hz	222408
50A	4NO	-	AC 240V 50Hz	NC1-5004N 240V 50Hz	222409

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
50A	4NO	-	AC 240V 60Hz	NC1-5004N 240V 60Hz	222410
50A	4NO	-	AC 24V 50/60Hz	NC1-5004N 24V 50/60Hz	222411
50A	4NO	-	AC 24V 50Hz	NC1-5004N 24V 50Hz	222412
50A	4NO	-	AC 24V 60Hz	NC1-5004N 24V 60Hz	222413
50A	4NO	-	AC 380V 50/60Hz	NC1-5004N 380V 50/60Hz	222417
50A	4NO	-	AC 380V 50Hz	NC1-5004N 380V 50Hz	222418
50A	4NO	-	AC 380V 60Hz	NC1-5004N 380V 60Hz	222419
50A	4NO	-	AC 400V 50/60Hz	NC1-5004N 400V 50/60Hz	222420
50A	4NO	-	AC 400V 50Hz	NC1-5004N 400V 50Hz	222421
50A	4NO	-	AC 400V 60Hz	NC1-5004N 400V 60Hz	222422
50A	4NO	-	AC 415V 50/60Hz	NC1-5004N 415V 50/60Hz	222423
50A	4NO	-	AC 415V 50Hz	NC1-5004N 415V 50Hz	222424
50A	4NO	-	AC 415V 60Hz	NC1-5004N 415V 60Hz	222425
50A	4NO	-	DC 24V	NC1-5004Z 24V	225578
50A	4NO	-	DC 110V	NC1-5004Z 110V	225951
50A	4NO	-	DC 220V	NC1-5004Z 220V	225953
50A	4NO	-	DC 48V	NC1-5004Z 48V	226019
50A	2NO+2NC	-	AC 110V 50/60Hz	NC1-5008 110V 50/60Hz	222438
50A	2NO+2NC	-	AC 110V 50Hz	NC1-5008 110V 50Hz	222439
50A	2NO+2NC	-	AC 110V 60Hz	NC1-5008 110V 60Hz	222440
50A	2NO+2NC	-	AC 220V 50/60Hz	NC1-5008 220V 50/60Hz	222444
50A	2NO+2NC	-	AC 220V 50Hz	NC1-5008 220V 50Hz	222445
50A	2NO+2NC	-	AC 220V 60Hz	NC1-5008 220V 60Hz	222446
50A	2NO+2NC	-	AC 230V 50/60Hz	NC1-5008 230V 50/60Hz	222447
50A	2NO+2NC	-	AC 230V 50Hz	NC1-5008 230V 50Hz	222448
50A	2NO+2NC	-	AC 230V 60Hz	NC1-5008 230V 60Hz	222449
50A	2NO+2NC	-	AC 240V 50/60Hz	NC1-5008 240V 50/60Hz	222450
50A	2NO+2NC	-	AC 240V 50Hz	NC1-5008 240V 50Hz	222451
50A	2NO+2NC	-	AC 240V 60Hz	NC1-5008 240V 60Hz	222452
50A	2NO+2NC	-	AC 24V 50/60Hz	NC1-5008 24V 50/60Hz	222453
50A	2NO+2NC	-	AC 24V 50Hz	NC1-5008 24V 50Hz	222454
50A	2NO+2NC	-	AC 24V 60Hz	NC1-5008 24V 60Hz	222455
50A	2NO+2NC	-	AC 380V 50/60Hz	NC1-5008 380V 50/60Hz	222459
50A	2NO+2NC	-	AC 380V 50Hz	NC1-5008 380V 50Hz	222460
50A	2NO+2NC	-	AC 380V 60Hz	NC1-5008 380V 60Hz	222461
50A	2NO+2NC	-	AC 400V 50/60Hz	NC1-5008 400V 50/60Hz	222462
50A	2NO+2NC	-	AC 400V 50Hz	NC1-5008 400V 50Hz	222463
50A	2NO+2NC	-	AC 400V 60Hz	NC1-5008 400V 60Hz	222464
50A	2NO+2NC	-	AC 415V 50/60Hz	NC1-5008 415V 50/60Hz	222465
50A	2NO+2NC	-	AC 415V 50Hz	NC1-5008 415V 50Hz	222466
50A	2NO+2NC	-	AC 415V 60Hz	NC1-5008 415V 60Hz	222467
50A	2NO+2NC	-	AC 440V 50/60Hz	NC1-5008 440V 50/60Hz	222471
50A	2NO+2NC	-	AC 440V 50Hz	NC1-5008 440V 50Hz	222472
50A	2NO+2NC	-	AC 440V 60Hz	NC1-5008 440V 60Hz	222473
50A	2NO+2NC	-	AC 120V 50/60Hz	NC1-5008 120V 50/60Hz	225573
50A	2NO+2NC	-	AC 120V 60Hz	NC1-5008 120V 60Hz	225837
50A	2NO+2NC	-	DC 24V	NC1-5008Z 24V	225577
50A	2NO+2NC	-	DC 110V	NC1-5008Z 110V	225955
50A	2NO+2NC	-	DC 220V	NC1-5008Z 220V	225957

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
65A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-6511 110V 50/60Hz	222701
65A	3NO	1NO+1NC	AC 110V 50Hz	NC1-6511 110V 50Hz	222702
65A	3NO	1NO+1NC	AC 110V 60Hz	NC1-6511 110V 60Hz	222703
65A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-6511 120V 50/60Hz	222704
65A	3NO	1NO+1NC	AC 120V 50Hz	NC1-6511 120V 50Hz	222705
65A	3NO	1NO+1NC	AC 120V 60Hz	NC1-6511 120V 60Hz	222706
65A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-6511 220V 50/60Hz	222710
65A	3NO	1NO+1NC	AC 220V 50Hz	NC1-6511 220V 50Hz	222711
65A	3NO	1NO+1NC	AC 220V 60Hz	NC1-6511 220V 60Hz	222712
65A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-6511 230V 50/60Hz	222713
65A	3NO	1NO+1NC	AC 230V 50Hz	NC1-6511 230V 50Hz	222714
65A	3NO	1NO+1NC	AC 230V 60Hz	NC1-6511 230V 60Hz	222715
65A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-6511 240V 50/60Hz	222716
65A	3NO	1NO+1NC	AC 240V 50Hz	NC1-6511 240V 50Hz	222717
65A	3NO	1NO+1NC	AC 240V 60Hz	NC1-6511 240V 60Hz	222718
65A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-6511 24V 50/60Hz	222719
65A	3NO	1NO+1NC	AC 24V 50Hz	NC1-6511 24V 50Hz	222720
65A	3NO	1NO+1NC	AC 24V 60Hz	NC1-6511 24V 60Hz	222721
65A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-6511 380V 50/60Hz	222725
65A	3NO	1NO+1NC	AC 380V 50Hz	NC1-6511 380V 50Hz	222726
65A	3NO	1NO+1NC	AC 380V 60Hz	NC1-6511 380V 60Hz	222727
65A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-6511 400V 50/60Hz	222728
65A	3NO	1NO+1NC	AC 400V 50Hz	NC1-6511 400V 50Hz	222729
65A	3NO	1NO+1NC	AC 400V 60Hz	NC1-6511 400V 60Hz	222730
65A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-6511 415V 50/60Hz	222731
65A	3NO	1NO+1NC	AC 415V 50Hz	NC1-6511 415V 50Hz	222732
65A	3NO	1NO+1NC	AC 415V 60Hz	NC1-6511 415V 60Hz	222733
65A	3NO	1NO+1NC	AC 440V 50/60Hz	NC1-6511 440V 50/60Hz	222737
65A	3NO	1NO+1NC	AC 440V 50Hz	NC1-6511 440V 50Hz	222738
65A	3NO	1NO+1NC	AC 440V 60Hz	NC1-6511 440V 60Hz	222739
65A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-6511 110V 50/60Hz(korea)	226584
65A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-6511 220V 50/60Hz(korea)	226585
65A	3NO	1NO+1NC	AC 380V 50/60Hz (korea)	NC1-6511 380V 50/60Hz (korea)	226586
65A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-6511N 110V 50/60Hz	222746
65A	3NO	1NO+1NC	AC 110V 50Hz	NC1-6511N 110V 50Hz	222747
65A	3NO	1NO+1NC	AC 110V 60Hz	NC1-6511N 110V 60Hz	222748
65A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-6511N 220V 50/60Hz	222752
65A	3NO	1NO+1NC	AC 220V 50Hz	NC1-6511N 220V 50Hz	222753
65A	3NO	1NO+1NC	AC 220V 60Hz	NC1-6511N 220V 60Hz	222754
65A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-6511N 230V 50/60Hz	222755
65A	3NO	1NO+1NC	AC 230V 50Hz	NC1-6511N 230V 50Hz	222756
65A	3NO	1NO+1NC	AC 230V 60Hz	NC1-6511N 230V 60Hz	222757
65A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-6511N 240V 50/60Hz	222758
65A	3NO	1NO+1NC	AC 240V 50Hz	NC1-6511N 240V 50Hz	222759
65A	3NO	1NO+1NC	AC 240V 60Hz	NC1-6511N 240V 60Hz	222760
65A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-6511N 24V 50/60Hz	222761
65A	3NO	1NO+1NC	AC 24V 50Hz	NC1-6511N 24V 50Hz	222762
65A	3NO	1NO+1NC	AC 24V 60Hz	NC1-6511N 24V 60Hz	222763
65A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-6511N 380V 50/60Hz	222767
65A	3NO	1NO+1NC	AC 380V 50Hz	NC1-6511N 380V 50Hz	222768

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
65A	3NO	1NO+1NC	AC 380V 60Hz	NC1-6511N 380V 60Hz	222769
65A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-6511N 400V 50/60Hz	222770
65A	3NO	1NO+1NC	AC 400V 50Hz	NC1-6511N 400V 50Hz	222771
65A	3NO	1NO+1NC	AC 400V 60Hz	NC1-6511N 400V 60Hz	222772
65A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-6511N 415V 50/60Hz	222773
65A	3NO	1NO+1NC	AC 415V 50Hz	NC1-6511N 415V 50Hz	222774
65A	3NO	1NO+1NC	AC 415V 60Hz	NC1-6511N 415V 60Hz	222775
65A	3NO	1NO+1NC	AC 120V 60Hz	NC1-6511N 120V 60Hz	225853
65A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-6511N 120V 50/60Hz	226970
65A	3NO	1NO+1NC	DC 110V	NC1-6511Z 110V	222791
65A	3NO	1NO+1NC	DC 220V	NC1-6511Z 220V	222792
65A	3NO	1NO+1NC	DC 24V	NC1-6511Z 24V	222793
65A	3NO	1NO+1NC	DC 48V	NC1-6511Z 48V	222794
65A	4NO	-	AC 110V 50/60Hz	NC1-6504 110V 50/60Hz	222575
65A	4NO	-	AC 110V 50Hz	NC1-6504 110V 50Hz	222576
65A	4NO	-	AC 110V 60Hz	NC1-6504 110V 60Hz	222577
65A	4NO	-	AC 220V 50/60Hz	NC1-6504 220V 50/60Hz	222581
65A	4NO	-	AC 220V 50Hz	NC1-6504 220V 50Hz	222582
65A	4NO	-	AC 220V 60Hz	NC1-6504 220V 60Hz	222583
65A	4NO	-	AC 230V 50/60Hz	NC1-6504 230V 50/60Hz	222584
65A	4NO	-	AC 230V 50Hz	NC1-6504 230V 50Hz	222585
65A	4NO	-	AC 230V 60Hz	NC1-6504 230V 60Hz	222586
65A	4NO	-	AC 240V 50/60Hz	NC1-6504 240V 50/60Hz	222587
65A	4NO	-	AC 240V 50Hz	NC1-6504 240V 50Hz	222588
65A	4NO	-	AC 240V 60Hz	NC1-6504 240V 60Hz	222589
65A	4NO	-	AC 24V 50/60Hz	NC1-6504 24V 50/60Hz	222590
65A	4NO	-	AC 24V 50Hz	NC1-6504 24V 50Hz	222591
65A	4NO	-	AC 24V 60Hz	NC1-6504 24V 60Hz	222592
65A	4NO	-	AC 380V 50/60Hz	NC1-6504 380V 50/60Hz	222596
65A	4NO	-	AC 380V 50Hz	NC1-6504 380V 50Hz	222597
65A	4NO	-	AC 380V 60Hz	NC1-6504 380V 60Hz	222598
65A	4NO	-	AC 400V 50/60Hz	NC1-6504 400V 50/60Hz	222599
65A	4NO	-	AC 400V 50Hz	NC1-6504 400V 50Hz	222600
65A	4NO	-	AC 400V 60Hz	NC1-6504 400V 60Hz	222601
65A	4NO	-	AC 415V 50/60Hz	NC1-6504 415V 50/60Hz	222602
65A	4NO	-	AC 415V 50Hz	NC1-6504 415V 50Hz	222603
65A	4NO	-	AC 415V 60Hz	NC1-6504 415V 60Hz	222604
65A	4NO	-	AC 440V 50/60Hz	NC1-6504 440V 50/60Hz	222608
65A	4NO	-	AC 440V 50Hz	NC1-6504 440V 50Hz	222609
65A	4NO	-	AC 440V 60Hz	NC1-6504 440V 60Hz	222610
65A	4NO	-	AC 120V 60Hz	NC1-6504 120V 60Hz	225529
65A	4NO	-	AC 120V 50/60Hz	NC1-6504 120V 50/60Hz	225834
65A	4NO	-	AC 110V 50/60Hz	NC1-6504N 110V 50/60Hz	222617
65A	4NO	-	AC 110V 50Hz	NC1-6504N 110V 50Hz	222618
65A	4NO	-	AC 110V 60Hz	NC1-6504N 110V 60Hz	222619
65A	4NO	-	AC 220V 50/60Hz	NC1-6504N 220V 50/60Hz	222623
65A	4NO	-	AC 220V 50Hz	NC1-6504N 220V 50Hz	222624
65A	4NO	-	AC 220V 60Hz	NC1-6504N 220V 60Hz	222625
65A	4NO	-	AC 230V 50/60Hz	NC1-6504N 230V 50/60Hz	222626
65A	4NO	-	AC 230V 50Hz	NC1-6504N 230V 50Hz	222627

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
65A	4NO	-	AC 230V 60Hz	NC1-6504N 230V 60Hz	222628
65A	4NO	-	AC 240V 50/60Hz	NC1-6504N 240V 50/60Hz	222629
65A	4NO	-	AC 240V 50Hz	NC1-6504N 240V 50Hz	222630
65A	4NO	-	AC 240V 60Hz	NC1-6504N 240V 60Hz	222631
65A	4NO	-	AC 24V 50/60Hz	NC1-6504N 24V 50/60Hz	222632
65A	4NO	-	AC 24V 50Hz	NC1-6504N 24V 50Hz	222633
65A	4NO	-	AC 24V 60Hz	NC1-6504N 24V 60Hz	222634
65A	4NO	-	AC 380V 50/60Hz	NC1-6504N 380V 50/60Hz	222638
65A	4NO	-	AC 380V 50Hz	NC1-6504N 380V 50Hz	222639
65A	4NO	-	AC 380V 60Hz	NC1-6504N 380V 60Hz	222640
65A	4NO	-	AC 400V 50/60Hz	NC1-6504N 400V 50/60Hz	222641
65A	4NO	-	AC 400V 50Hz	NC1-6504N 400V 50Hz	222642
65A	4NO	-	AC 400V 60Hz	NC1-6504N 400V 60Hz	222643
65A	4NO	-	AC 415V 50/60Hz	NC1-6504N 415V 50/60Hz	222644
65A	4NO	-	AC 415V 50Hz	NC1-6504N 415V 50Hz	222645
65A	4NO	-	AC 415V 60Hz	NC1-6504N 415V 60Hz	222646
65A	4NO	-	DC 24V	NC1-6504Z 24V	225844
65A	4NO	-	DC 110V	NC1-6504Z 110V	225960
65A	4NO	-	DC 220V	NC1-6504Z 220V	225962
65A	4NO	-	DC 48V	NC1-6504Z 48V	226020
65A	2NO+2NC	-	AC 110V 50/60Hz	NC1-6508 110V 50/60Hz	222659
65A	2NO+2NC	-	AC 110V 50Hz	NC1-6508 110V 50Hz	222660
65A	2NO+2NC	-	AC 110V 60Hz	NC1-6508 110V 60Hz	222661
65A	2NO+2NC	-	AC 220V 50/60Hz	NC1-6508 220V 50/60Hz	222665
65A	2NO+2NC	-	AC 220V 50Hz	NC1-6508 220V 50Hz	222666
65A	2NO+2NC	-	AC 220V 60Hz	NC1-6508 220V 60Hz	222667
65A	2NO+2NC	-	AC 230V 50/60Hz	NC1-6508 230V 50/60Hz	222668
65A	2NO+2NC	-	AC 230V 50Hz	NC1-6508 230V 50Hz	222669
65A	2NO+2NC	-	AC 230V 60Hz	NC1-6508 230V 60Hz	222670
65A	2NO+2NC	-	AC 240V 50/60Hz	NC1-6508 240V 50/60Hz	222671
65A	2NO+2NC	-	AC 240V 50Hz	NC1-6508 240V 50Hz	222672
65A	2NO+2NC	-	AC 240V 60Hz	NC1-6508 240V 60Hz	222673
65A	2NO+2NC	-	AC 24V 50/60Hz	NC1-6508 24V 50/60Hz	222674
65A	2NO+2NC	-	AC 24V 50Hz	NC1-6508 24V 50Hz	222675
65A	2NO+2NC	-	AC 24V 60Hz	NC1-6508 24V 60Hz	222676
65A	2NO+2NC	-	AC 380V 50/60Hz	NC1-6508 380V 50/60Hz	222680
65A	2NO+2NC	-	AC 380V 50Hz	NC1-6508 380V 50Hz	222681
65A	2NO+2NC	-	AC 380V 60Hz	NC1-6508 380V 60Hz	222682
65A	2NO+2NC	-	AC 400V 50/60Hz	NC1-6508 400V 50/60Hz	222683
65A	2NO+2NC	-	AC 400V 50Hz	NC1-6508 400V 50Hz	222684
65A	2NO+2NC	-	AC 400V 60Hz	NC1-6508 400V 60Hz	222685
65A	2NO+2NC	-	AC 415V 50/60Hz	NC1-6508 415V 50/60Hz	222686
65A	2NO+2NC	-	AC 415V 50Hz	NC1-6508 415V 50Hz	222687
65A	2NO+2NC	-	AC 415V 60Hz	NC1-6508 415V 60Hz	222688
65A	2NO+2NC	-	AC 440V 50/60Hz	NC1-6508 440V 50/60Hz	222692
65A	2NO+2NC	-	AC 440V 50Hz	NC1-6508 440V 50Hz	222693
65A	2NO+2NC	-	AC 440V 60Hz	NC1-6508 440V 60Hz	222694
65A	2NO+2NC	-	AC 120V 60Hz	NC1-6508 120V 60Hz	225530
65A	2NO+2NC	-	AC 120V 50/60Hz	NC1-6508 120V 50/60Hz	225835
65A	2NO+2NC	-	DC 110V	NC1-6508Z 110V	225964
65A	2NO+2NC	-	DC 220V	NC1-6508Z 220V	225966
65A	2NO+2NC	-	DC 24V	NC1-6508Z 24V	226966

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
80A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-8011 110V 50/60Hz	222922
80A	3NO	1NO+1NC	AC 110V 50Hz	NC1-8011 110V 50Hz	222923
80A	3NO	1NO+1NC	AC 110V 60Hz	NC1-8011 110V 60Hz	222924
80A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-8011 120V 50/60Hz	222925
80A	3NO	1NO+1NC	AC 120V 50Hz	NC1-8011 120V 50Hz	222926
80A	3NO	1NO+1NC	AC 120V 60Hz	NC1-8011 120V 60Hz	222927
80A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-8011 220V 50/60Hz	222931
80A	3NO	1NO+1NC	AC 220V 50Hz	NC1-8011 220V 50Hz	222932
80A	3NO	1NO+1NC	AC 220V 60Hz	NC1-8011 220V 60Hz	222933
80A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-8011 230V 50/60Hz	222934
80A	3NO	1NO+1NC	AC 230V 50Hz	NC1-8011 230V 50Hz	222935
80A	3NO	1NO+1NC	AC 230V 60Hz	NC1-8011 230V 60Hz	222936
80A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-8011 240V 50/60Hz	222937
80A	3NO	1NO+1NC	AC 240V 50Hz	NC1-8011 240V 50Hz	222938
80A	3NO	1NO+1NC	AC 240V 60Hz	NC1-8011 240V 60Hz	222939
80A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-8011 24V 50/60Hz	222940
80A	3NO	1NO+1NC	AC 24V 50Hz	NC1-8011 24V 50Hz	222941
80A	3NO	1NO+1NC	AC 24V 60Hz	NC1-8011 24V 60Hz	222942
80A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-8011 380V 50/60Hz	222946
80A	3NO	1NO+1NC	AC 380V 50Hz	NC1-8011 380V 50Hz	222947
80A	3NO	1NO+1NC	AC 380V 60Hz	NC1-8011 380V 60Hz	222948
80A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-8011 400V 50/60Hz	222949
80A	3NO	1NO+1NC	AC 400V 50Hz	NC1-8011 400V 50Hz	222950
80A	3NO	1NO+1NC	AC 400V 60Hz	NC1-8011 400V 60Hz	222951
80A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-8011 415V 50/60Hz	222952
80A	3NO	1NO+1NC	AC 415V 50Hz	NC1-8011 415V 50Hz	222953
80A	3NO	1NO+1NC	AC 415V 60Hz	NC1-8011 415V 60Hz	222954
80A	3NO	1NO+1NC	AC 440V 50/60Hz	NC1-8011 440V 50/60Hz	222958
80A	3NO	1NO+1NC	AC 440V 50Hz	NC1-8011 440V 50Hz	222959
80A	3NO	1NO+1NC	AC 440V 60Hz	NC1-8011 440V 60Hz	222960
80A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-8011 110V 50/60Hz(korea)	226587
80A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-8011 220V 50/60Hz(korea)	226588
80A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-8011 380V 50/60Hz(korea)	226589
80A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-8011N 110V 50/60Hz	222967
80A	3NO	1NO+1NC	AC 110V 50Hz	NC1-8011N 110V 50Hz	222968
80A	3NO	1NO+1NC	AC 110V 60Hz	NC1-8011N 110V 60Hz	222969
80A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-8011N 220V 50/60Hz	222973
80A	3NO	1NO+1NC	AC 220V 50Hz	NC1-8011N 220V 50Hz	222974
80A	3NO	1NO+1NC	AC 220V 60Hz	NC1-8011N 220V 60Hz	222975
80A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-8011N 230V 50/60Hz	222976
80A	3NO	1NO+1NC	AC 230V 50Hz	NC1-8011N 230V 50Hz	222977
80A	3NO	1NO+1NC	AC 230V 60Hz	NC1-8011N 230V 60Hz	222978
80A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-8011N 240V 50/60Hz	222979
80A	3NO	1NO+1NC	AC 240V 50Hz	NC1-8011N 240V 50Hz	222980
80A	3NO	1NO+1NC	AC 240V 60Hz	NC1-8011N 240V 60Hz	222981
80A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-8011N 24V 50/60Hz	222982
80A	3NO	1NO+1NC	AC 24V 50Hz	NC1-8011N 24V 50Hz	222983
80A	3NO	1NO+1NC	AC 24V 60Hz	NC1-8011N 24V 60Hz	222984
80A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-8011N 380V 50/60Hz	222988
80A	3NO	1NO+1NC	AC 380V 50Hz	NC1-8011N 380V 50Hz	222989

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
80A	3NO	1NO+1NC	AC 380V 60Hz	NC1-8011N 380V 60Hz	222990
80A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-8011N 400V 50/60Hz	222991
80A	3NO	1NO+1NC	AC 400V 50Hz	NC1-8011N 400V 50Hz	222992
80A	3NO	1NO+1NC	AC 400V 60Hz	NC1-8011N 400V 60Hz	222993
80A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-8011N 415V 50/60Hz	222994
80A	3NO	1NO+1NC	AC 415V 50Hz	NC1-8011N 415V 50Hz	222995
80A	3NO	1NO+1NC	AC 415V 60Hz	NC1-8011N 415V 60Hz	222996
80A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-8011N 120V 50/60Hz	226033
80A	3NO	1NO+1NC	DC 110V	NC1-8011Z 110V	223012
80A	3NO	1NO+1NC	DC 220V	NC1-8011Z 220V	223013
80A	3NO	1NO+1NC	DC 24V	NC1-8011Z 24V	223014
80A	3NO	1NO+1NC	DC 48V	NC1-8011Z 48V	223015
80A	4NO	-	AC 110V 50/60Hz	NC1-8004 110V 50/60Hz	222796
80A	4NO	-	AC 110V 50Hz	NC1-8004 110V 50Hz	222797
80A	4NO	-	AC 110V 60Hz	NC1-8004 110V 60Hz	222798
80A	4NO	-	AC 220V 50/60Hz	NC1-8004 220V 50/60Hz	222802
80A	4NO	-	AC 220V 50Hz	NC1-8004 220V 50Hz	222803
80A	4NO	-	AC 220V 60Hz	NC1-8004 220V 60Hz	222804
80A	4NO	-	AC 230V 50/60Hz	NC1-8004 230V 50/60Hz	222805
80A	4NO	-	AC 230V 50Hz	NC1-8004 230V 50Hz	222806
80A	4NO	-	AC 230V 60Hz	NC1-8004 230V 60Hz	222807
80A	4NO	-	AC 240V 50/60Hz	NC1-8004 240V 50/60Hz	222808
80A	4NO	-	AC 240V 50Hz	NC1-8004 240V 50Hz	222809
80A	4NO	-	AC 240V 60Hz	NC1-8004 240V 60Hz	222810
80A	4NO	-	AC 24V 50/60Hz	NC1-8004 24V 50/60Hz	222811
80A	4NO	-	AC 24V 50Hz	NC1-8004 24V 50Hz	222812
80A	4NO	-	AC 24V 60Hz	NC1-8004 24V 60Hz	222813
80A	4NO	-	AC 380V 50/60Hz	NC1-8004 380V 50/60Hz	222817
80A	4NO	-	AC 380V 50Hz	NC1-8004 380V 50Hz	222818
80A	4NO	-	AC 380V 60Hz	NC1-8004 380V 60Hz	222819
80A	4NO	-	AC 400V 50/60Hz	NC1-8004 400V 50/60Hz	222820
80A	4NO	-	AC 400V 50Hz	NC1-8004 400V 50Hz	222821
80A	4NO	-	AC 400V 60Hz	NC1-8004 400V 60Hz	222822
80A	4NO	-	AC 415V 50/60Hz	NC1-8004 415V 50/60Hz	222823
80A	4NO	-	AC 415V 50Hz	NC1-8004 415V 50Hz	222824
80A	4NO	-	AC 415V 60Hz	NC1-8004 415V 60Hz	222825
80A	4NO	-	AC 440V 50/60Hz	NC1-8004 440V 50/60Hz	222829
80A	4NO	-	AC 440V 50Hz	NC1-8004 440V 50Hz	222830
80A	4NO	-	AC 440V 60Hz	NC1-8004 440V 60Hz	222831
80A	4NO	-	AC 120V 50/60Hz	NC1-8004 120V 50/60Hz	226578
80A	4NO	-	AC 110V 50/60Hz	NC1-8004N 110V 50/60Hz	222838
80A	4NO	-	AC 110V 50Hz	NC1-8004N 110V 50Hz	222839
80A	4NO	-	AC 110V 60Hz	NC1-8004N 110V 60Hz	222840
80A	4NO	-	AC 220V 50/60Hz	NC1-8004N 220V 50/60Hz	222844
80A	4NO	-	AC 220V 50Hz	NC1-8004N 220V 50Hz	222845
80A	4NO	-	AC 220V 60Hz	NC1-8004N 220V 60Hz	222846
80A	4NO	-	AC 230V 50/60Hz	NC1-8004N 230V 50/60Hz	222847
80A	4NO	-	AC 230V 50Hz	NC1-8004N 230V 50Hz	222848
80A	4NO	-	AC 230V 60Hz	NC1-8004N 230V 60Hz	222849
80A	4NO	-	AC 240V 50/60Hz	NC1-8004N 240V 50/60Hz	222850

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
80A	4NO	-	AC 240V 50Hz	NC1-8004N 240V 50Hz	222851
80A	4NO	-	AC 240V 60Hz	NC1-8004N 240V 60Hz	222852
80A	4NO	-	AC 24V 50/60Hz	NC1-8004N 24V 50/60Hz	222853
80A	4NO	-	AC 24V 50Hz	NC1-8004N 24V 50Hz	222854
80A	4NO	-	AC 24V 60Hz	NC1-8004N 24V 60Hz	222855
80A	4NO	-	AC 380V 50/60Hz	NC1-8004N 380V 50/60Hz	222859
80A	4NO	-	AC 380V 50Hz	NC1-8004N 380V 50Hz	222860
80A	4NO	-	AC 380V 60Hz	NC1-8004N 380V 60Hz	222861
80A	4NO	-	AC 400V 50/60Hz	NC1-8004N 400V 50/60Hz	222862
80A	4NO	-	AC 400V 50Hz	NC1-8004N 400V 50Hz	222863
80A	4NO	-	AC 400V 60Hz	NC1-8004N 400V 60Hz	222864
80A	4NO	-	AC 415V 50/60Hz	NC1-8004N 415V 50/60Hz	222865
80A	4NO	-	AC 415V 50Hz	NC1-8004N 415V 50Hz	222866
80A	4NO	-	AC 415V 60Hz	NC1-8004N 415V 60Hz	222867
80A	4NO	-	DC 24V	NC1-8004Z 24V	225579
80A	4NO	-	DC 110V	NC1-8004Z 110V	225969
80A	4NO	-	DC 220V	NC1-8004Z 220V	225971
80A	4NO	-	DC 48V	NC1-8004Z 48V	226021
80A	2NO+2NC	-	AC 110V 50/60Hz	NC1-8008 110V 50/60Hz	222880
80A	2NO+2NC	-	AC 110V 50Hz	NC1-8008 110V 50Hz	222881
80A	2NO+2NC	-	AC 110V 60Hz	NC1-8008 110V 60Hz	222882
80A	2NO+2NC	-	AC 220V 50/60Hz	NC1-8008 220V 50/60Hz	222886
80A	2NO+2NC	-	AC 220V 50Hz	NC1-8008 220V 50Hz	222887
80A	2NO+2NC	-	AC 220V 60Hz	NC1-8008 220V 60Hz	222888
80A	2NO+2NC	-	AC 230V 50/60Hz	NC1-8008 230V 50/60Hz	222889
80A	2NO+2NC	-	AC 230V 50Hz	NC1-8008 230V 50Hz	222890
80A	2NO+2NC	-	AC 230V 60Hz	NC1-8008 230V 60Hz	222891
80A	2NO+2NC	-	AC 240V 50/60Hz	NC1-8008 240V 50/60Hz	222892
80A	2NO+2NC	-	AC 240V 50Hz	NC1-8008 240V 50Hz	222893
80A	2NO+2NC	-	AC 240V 60Hz	NC1-8008 240V 60Hz	222894
80A	2NO+2NC	-	AC 24V 50/60Hz	NC1-8008 24V 50/60Hz	222895
80A	2NO+2NC	-	AC 24V 50Hz	NC1-8008 24V 50Hz	222896
80A	2NO+2NC	-	AC 24V 60Hz	NC1-8008 24V 60Hz	222897
80A	2NO+2NC	-	AC 380V 50/60Hz	NC1-8008 380V 50/60Hz	222901
80A	2NO+2NC	-	AC 380V 50Hz	NC1-8008 380V 50Hz	222902
80A	2NO+2NC	-	AC 380V 60Hz	NC1-8008 380V 60Hz	222903
80A	2NO+2NC	-	AC 400V 50/60Hz	NC1-8008 400V 50/60Hz	222904
80A	2NO+2NC	-	AC 400V 50Hz	NC1-8008 400V 50Hz	222905
80A	2NO+2NC	-	AC 400V 60Hz	NC1-8008 400V 60Hz	222906
80A	2NO+2NC	-	AC 415V 50/60Hz	NC1-8008 415V 50/60Hz	222907
80A	2NO+2NC	-	AC 415V 50Hz	NC1-8008 415V 50Hz	222908
80A	2NO+2NC	-	AC 415V 60Hz	NC1-8008 415V 60Hz	222909
80A	2NO+2NC	-	AC 440V 50/60Hz	NC1-8008 440V 50/60Hz	222913
80A	2NO+2NC	-	AC 440V 50Hz	NC1-8008 440V 50Hz	222914
80A	2NO+2NC	-	AC 440V 60Hz	NC1-8008 440V 60Hz	222915
80A	2NO+2NC	-	AC 120V 60Hz	NC1-8008 120V 60Hz	225538
80A	2NO+2NC	-	AC 120V 50/60Hz	NC1-8008 120V 50/60Hz	226575
80A	2NO+2NC	-	DC 24V	NC1-8008Z 24V	225580
80A	2NO+2NC	-	DC 110V	NC1-8008Z 110V	225973
80A	2NO+2NC	-	DC 220V	NC1-8008Z 220V	225975

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
95A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-9511 110V 50/60Hz	223143
95A	3NO	1NO+1NC	AC 110V 50Hz	NC1-9511 110V 50Hz	223144
95A	3NO	1NO+1NC	AC 110V 60Hz	NC1-9511 110V 60Hz	223145
95A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-9511 120V 50/60Hz	223146
95A	3NO	1NO+1NC	AC 120V 50Hz	NC1-9511 120V 50Hz	223147
95A	3NO	1NO+1NC	AC 120V 60Hz	NC1-9511 120V 60Hz	223148
95A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-9511 220V 50/60Hz	223152
95A	3NO	1NO+1NC	AC 220V 50Hz	NC1-9511 220V 50Hz	223153
95A	3NO	1NO+1NC	AC 220V 60Hz	NC1-9511 220V 60Hz	223154
95A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-9511 230V 50/60Hz	223155
95A	3NO	1NO+1NC	AC 230V 50Hz	NC1-9511 230V 50Hz	223156
95A	3NO	1NO+1NC	AC 230V 60Hz	NC1-9511 230V 60Hz	223157
95A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-9511 240V 50/60Hz	223158
95A	3NO	1NO+1NC	AC 240V 50Hz	NC1-9511 240V 50Hz	223159
95A	3NO	1NO+1NC	AC 240V 60Hz	NC1-9511 240V 60Hz	223160
95A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-9511 24V 50/60Hz	223161
95A	3NO	1NO+1NC	AC 24V 50Hz	NC1-9511 24V 50Hz	223162
95A	3NO	1NO+1NC	AC 24V 60Hz	NC1-9511 24V 60Hz	223163
95A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-9511 380V 50/60Hz	223167
95A	3NO	1NO+1NC	AC 380V 50Hz	NC1-9511 380V 50Hz	223168
95A	3NO	1NO+1NC	AC 380V 60Hz	NC1-9511 380V 60Hz	223169
95A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-9511 400V 50/60Hz	223170
95A	3NO	1NO+1NC	AC 400V 50Hz	NC1-9511 400V 50Hz	223171
95A	3NO	1NO+1NC	AC 400V 60Hz	NC1-9511 400V 60Hz	223172
95A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-9511 415V 50/60Hz	223173
95A	3NO	1NO+1NC	AC 415V 50Hz	NC1-9511 415V 50Hz	223174
95A	3NO	1NO+1NC	AC 415V 60Hz	NC1-9511 415V 60Hz	223175
95A	3NO	1NO+1NC	AC 440V 50/60Hz	NC1-9511 440V 50/60Hz	223179
95A	3NO	1NO+1NC	AC 440V 50Hz	NC1-9511 440V 50Hz	223180
95A	3NO	1NO+1NC	AC 440V 60Hz	NC1-9511 440V 60Hz	223181
95A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-9511 110V 50/60Hz(korea)	226590
95A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-9511 220V 50/60Hz(korea)	226591
95A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-9511 380V 50/60Hz(korea)	226592
95A	3NO	1NO+1NC	AC 110V 50/60Hz	NC1-9511N 110V 50/60Hz	223188
95A	3NO	1NO+1NC	AC 110V 50Hz	NC1-9511N 110V 50Hz	223189
95A	3NO	1NO+1NC	AC 110V 60Hz	NC1-9511N 110V 60Hz	223190
95A	3NO	1NO+1NC	AC 220V 50/60Hz	NC1-9511N 220V 50/60Hz	223194
95A	3NO	1NO+1NC	AC 220V 50Hz	NC1-9511N 220V 50Hz	223195
95A	3NO	1NO+1NC	AC 220V 60Hz	NC1-9511N 220V 60Hz	223196
95A	3NO	1NO+1NC	AC 230V 50/60Hz	NC1-9511N 230V 50/60Hz	223197
95A	3NO	1NO+1NC	AC 230V 50Hz	NC1-9511N 230V 50Hz	223198
95A	3NO	1NO+1NC	AC 230V 60Hz	NC1-9511N 230V 60Hz	223199
95A	3NO	1NO+1NC	AC 240V 50/60Hz	NC1-9511N 240V 50/60Hz	223200
95A	3NO	1NO+1NC	AC 240V 50Hz	NC1-9511N 240V 50Hz	223201
95A	3NO	1NO+1NC	AC 240V 60Hz	NC1-9511N 240V 60Hz	223202
95A	3NO	1NO+1NC	AC 24V 50/60Hz	NC1-9511N 24V 50/60Hz	223203
95A	3NO	1NO+1NC	AC 24V 50Hz	NC1-9511N 24V 50Hz	223204
95A	3NO	1NO+1NC	AC 24V 60Hz	NC1-9511N 24V 60Hz	223205
95A	3NO	1NO+1NC	AC 380V 50/60Hz	NC1-9511N 380V 50/60Hz	223209
95A	3NO	1NO+1NC	AC 380V 50Hz	NC1-9511N 380V 50Hz	223210

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
95A	3NO	1NO+1NC	AC 380V 60Hz	NC1-9511N 380V 60Hz	223211
95A	3NO	1NO+1NC	AC 400V 50/60Hz	NC1-9511N 400V 50/60Hz	223212
95A	3NO	1NO+1NC	AC 400V 50Hz	NC1-9511N 400V 50Hz	223213
95A	3NO	1NO+1NC	AC 400V 60Hz	NC1-9511N 400V 60Hz	223214
95A	3NO	1NO+1NC	AC 415V 50/60Hz	NC1-9511N 415V 50/60Hz	223215
95A	3NO	1NO+1NC	AC 415V 50Hz	NC1-9511N 415V 50Hz	223216
95A	3NO	1NO+1NC	AC 415V 60Hz	NC1-9511N 415V 60Hz	223217
95A	3NO	1NO+1NC	AC 120V 60Hz	NC1-9511N 120V 60Hz	225554
95A	3NO	1NO+1NC	AC 120V 50/60Hz	NC1-9511N 120V 50/60Hz	226985
95A	3NO	1NO+1NC	DC 110V	NC1-9511Z 110V	223233
95A	3NO	1NO+1NC	DC 220V	NC1-9511Z 220V	223234
95A	3NO	1NO+1NC	DC 24V	NC1-9511Z 24V	223235
95A	3NO	1NO+1NC	DC 48V	NC1-9511Z 48V	223236
95A	4NO	-	AC 110V 50/60Hz	NC1-9504 110V 50/60Hz	223017
95A	4NO	-	AC 110V 50Hz	NC1-9504 110V 50Hz	223018
95A	4NO	-	AC 110V 60Hz	NC1-9504 110V 60Hz	223019
95A	4NO	-	AC 220V 50/60Hz	NC1-9504 220V 50/60Hz	223023
95A	4NO	-	AC 220V 50Hz	NC1-9504 220V 50Hz	223024
95A	4NO	-	AC 220V 60Hz	NC1-9504 220V 60Hz	223025
95A	4NO	-	AC 230V 50/60Hz	NC1-9504 230V 50/60Hz	223026
95A	4NO	-	AC 230V 50Hz	NC1-9504 230V 50Hz	223027
95A	4NO	-	AC 230V 60Hz	NC1-9504 230V 60Hz	223028
95A	4NO	-	AC 240V 50/60Hz	NC1-9504 240V 50/60Hz	223029
95A	4NO	-	AC 240V 50Hz	NC1-9504 240V 50Hz	223030
95A	4NO	-	AC 240V 60Hz	NC1-9504 240V 60Hz	223031
95A	4NO	-	AC 24V 50/60Hz	NC1-9504 24V 50/60Hz	223032
95A	4NO	-	AC 24V 50Hz	NC1-9504 24V 50Hz	223033
95A	4NO	-	AC 24V 60Hz	NC1-9504 24V 60Hz	223034
95A	4NO	-	AC 380V 50/60Hz	NC1-9504 380V 50/60Hz	223038
95A	4NO	-	AC 380V 50Hz	NC1-9504 380V 50Hz	223039
95A	4NO	-	AC 380V 60Hz	NC1-9504 380V 60Hz	223040
95A	4NO	-	AC 400V 50/60Hz	NC1-9504 400V 50/60Hz	223041
95A	4NO	-	AC 400V 50Hz	NC1-9504 400V 50Hz	223042
95A	4NO	-	AC 400V 60Hz	NC1-9504 400V 60Hz	223043
95A	4NO	-	AC 415V 50/60Hz	NC1-9504 415V 50/60Hz	223044
95A	4NO	-	AC 415V 50Hz	NC1-9504 415V 50Hz	223045
95A	4NO	-	AC 415V 60Hz	NC1-9504 415V 60Hz	223046
95A	4NO	-	AC 440V 50/60Hz	NC1-9504 440V 50/60Hz	223050
95A	4NO	-	AC 440V 50Hz	NC1-9504 440V 50Hz	223051
95A	4NO	-	AC 440V 60Hz	NC1-9504 440V 60Hz	223052
95A	4NO	-	AC 120V 60Hz	NC1-9504 120V 60Hz	225531
95A	4NO	-	AC 120V 50/60Hz	NC1-9504 120V 50/60Hz	225832
95A	4NO	-	AC 110V 50/60Hz	NC1-9504N 110V 50/60Hz	223059
95A	4NO	-	AC 110V 50Hz	NC1-9504N 110V 50Hz	223060
95A	4NO	-	AC 110V 60Hz	NC1-9504N 110V 60Hz	223061
95A	4NO	-	AC 220V 50/60Hz	NC1-9504N 220V 50/60Hz	223065
95A	4NO	-	AC 220V 50Hz	NC1-9504N 220V 50Hz	223066
95A	4NO	-	AC 220V 60Hz	NC1-9504N 220V 60Hz	223067
95A	4NO	-	AC 230V 50/60Hz	NC1-9504N 230V 50/60Hz	223068
95A	4NO	-	AC 230V 50Hz	NC1-9504N 230V 50Hz	223069

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
95A	4NO	-	AC 230V 60Hz	NC1-9504N 230V 60Hz	223070
95A	4NO	-	AC 240V 50/60Hz	NC1-9504N 240V 50/60Hz	223071
95A	4NO	-	AC 240V 50Hz	NC1-9504N 240V 50Hz	223072
95A	4NO	-	AC 240V 60Hz	NC1-9504N 240V 60Hz	223073
95A	4NO	-	AC 24V 50/60Hz	NC1-9504N 24V 50/60Hz	223074
95A	4NO	-	AC 24V 50Hz	NC1-9504N 24V 50Hz	223075
95A	4NO	-	AC 24V 60Hz	NC1-9504N 24V 60Hz	223076
95A	4NO	-	AC 380V 50/60Hz	NC1-9504N 380V 50/60Hz	223080
95A	4NO	-	AC 380V 50Hz	NC1-9504N 380V 50Hz	223081
95A	4NO	-	AC 380V 60Hz	NC1-9504N 380V 60Hz	223082
95A	4NO	-	AC 400V 50/60Hz	NC1-9504N 400V 50/60Hz	223083
95A	4NO	-	AC 400V 50Hz	NC1-9504N 400V 50Hz	223084
95A	4NO	-	AC 400V 60Hz	NC1-9504N 400V 60Hz	223085
95A	4NO	-	AC 415V 50/60Hz	NC1-9504N 415V 50/60Hz	223086
95A	4NO	-	AC 415V 50Hz	NC1-9504N 415V 50Hz	223087
95A	4NO	-	AC 415V 60Hz	NC1-9504N 415V 60Hz	223088
95A	4NO	-	DC 24V	NC1-9504Z 24V	225582
95A	4NO	-	DC 110V	NC1-9504Z 110V	225979
95A	4NO	-	DC 220V	NC1-9504Z 220V	225981
95A	4NO	-	DC 48V	NC1-9504Z 48V	226022
95A	2NO+2NC	-	AC 110V 50/60Hz	NC1-9508 110V 50/60Hz	223101
95A	2NO+2NC	-	AC 110V 50Hz	NC1-9508 110V 50Hz	223102
95A	2NO+2NC	-	AC 110V 60Hz	NC1-9508 110V 60Hz	223103
95A	2NO+2NC	-	AC 220V 50/60Hz	NC1-9508 220V 50/60Hz	223107
95A	2NO+2NC	-	AC 220V 50Hz	NC1-9508 220V 50Hz	223108
95A	2NO+2NC	-	AC 220V 60Hz	NC1-9508 220V 60Hz	223109
95A	2NO+2NC	-	AC 230V 50/60Hz	NC1-9508 230V 50/60Hz	223110
95A	2NO+2NC	-	AC 230V 50Hz	NC1-9508 230V 50Hz	223111
95A	2NO+2NC	-	AC 230V 60Hz	NC1-9508 230V 60Hz	223112
95A	2NO+2NC	-	AC 240V 50/60Hz	NC1-9508 240V 50/60Hz	223113
95A	2NO+2NC	-	AC 240V 50Hz	NC1-9508 240V 50Hz	223114
95A	2NO+2NC	-	AC 240V 60Hz	NC1-9508 240V 60Hz	223115
95A	2NO+2NC	-	AC 24V 50/60Hz	NC1-9508 24V 50/60Hz	223116
95A	2NO+2NC	-	AC 24V 50Hz	NC1-9508 24V 50Hz	223117
95A	2NO+2NC	-	AC 24V 60Hz	NC1-9508 24V 60Hz	223118
95A	2NO+2NC	-	AC 380V 50/60Hz	NC1-9508 380V 50/60Hz	223122
95A	2NO+2NC	-	AC 380V 50Hz	NC1-9508 380V 50Hz	223123
95A	2NO+2NC	-	AC 380V 60Hz	NC1-9508 380V 60Hz	223124
95A	2NO+2NC	-	AC 400V 50/60Hz	NC1-9508 400V 50/60Hz	223125
95A	2NO+2NC	-	AC 400V 50Hz	NC1-9508 400V 50Hz	223126
95A	2NO+2NC	-	AC 400V 60Hz	NC1-9508 400V 60Hz	223127
95A	2NO+2NC	-	AC 415V 50/60Hz	NC1-9508 415V 50/60Hz	223128
95A	2NO+2NC	-	AC 415V 50Hz	NC1-9508 415V 50Hz	223129
95A	2NO+2NC	-	AC 415V 60Hz	NC1-9508 415V 60Hz	223130
95A	2NO+2NC	-	AC 440V 50/60Hz	NC1-9508 440V 50/60Hz	223134
95A	2NO+2NC	-	AC 440V 50Hz	NC1-9508 440V 50Hz	223135
95A	2NO+2NC	-	AC 440V 60Hz	NC1-9508 440V 60Hz	223136
95A	2NO+2NC	-	AC 120V 60Hz	NC1-9508 120V 60Hz	225532
95A	2NO+2NC	-	AC 120V 50/60Hz	NC1-9508 120V 50/60Hz	225831
95A	2NO+2NC	-	DC 24V	NC1-9508Z 24V	225581
95A	2NO+2NC	-	DC 110V	NC1-9508Z 110V	225983
95A	2NO+2NC	-	DC 220V	NC1-9508Z 220V	225985



NC2 Series AC Contactors

1. General

1.1 Certificates: NC2-115~800
CE, VDE, UKrSEPRO, EAC, RCC, UL;
1.2 Electric ratings: AC50/60Hz, up to 690V, up to 800A;
1.3 Application: remote making & breaking circuits;
protect circuit from overload when assembling
with thermal over-load relay;
1.4 Ambient temperature: -5℃ ~+40℃ ;
1.5 Altitude: ≤2000m;
1.6 Mounting category: Ⅲ
1.7 Mounting conditions:inclination between the mounting plane and the vertical plane not exceed±5°
1.8 Standard: IEC/EN 60947-4-1
1.9 IP00(IP20 front face with shrouds SHD)

Altitude (m)	2000	3000	4000
Correction factor of rated impulse withstand voltage	1	0.88	0.78
Correction factor of rated working current	0	0.92	0.9

Ambient temperature℃	40	50	60	70
Coefficient of correction	1	0.875	0.75	0.625

2. Type designation

N C 2 □□□ □ / □

- Number of poles: 4P; Blank:3P
- Derivation code:
  N: Reversing/chang-over type contactor
  (Ns: horizontal mounting;
  Nc: vertical mounting)
  Z: DC control
- Rated operational current (A), AC-3 380/400V
- Design sequence No.
- Contactor
- Company code

3. Technical data

3.1 Clearance between active and static contacts

Models	Distance between contacts
NC2-115N/150N	≥5.5mm
NC2-185N/225N	≥5.5mm
NC2-265N/330N	≥6mm
NC2-400N/500N	≥6.5mm
NC2-630N	≥7mm
NC2-800N	≥7mm

3.2 Mechanical life
a. NJLc-FF and NJLs-FF: 3×10＾6 operations
b. Other model: 2×10＾6 operations

(a) 3×10^6	NJLc-FF, NJLs-FF
(b) 2×10^6	NJLs-FF, NJLs-GG, NJLs-HH, NJLs-KK, NJLs-LL, NJLc-FF, NJLc-FG, NJLc-FH, NJLc-FK, NJLc-FL, NJLc-GG, NJLc-GH, NJLc-GK, NJLc-GL, NJLc-HH, NJLc-HK, NJLc-HL, NJLc-KK, NJLc-KL, NJLc-LL

3.3 Terminal connection

Model	The connection capability			Screw size	Tightening torque (Nm)
	Number of piece	Cable Cross section(mm²)	Cu busbar Cross section (mm²)		
NC2-115	1	70~95	-	M6	3
NC2-150	1	70~95	-	M8	6
NC2-185	1	95~150	-	M8	6
NC2-225	1	95~150	-	M10	10
NC2-265	1	120~185	-	M10	10
NC2-330	1	185~240	-	M10	10
NC2-400	1（2）	240(150)	30×5	M10	10
NC2-500	2	150~185	40×5	M10	10
NC2-630	2	185~240	50×5	M12	14
NC2-800	2	185~240	50×5	M12	14

4. Technical Parameters

★ 3P contactors AC coil operation

Model			**NC2-115(Z)**	**NC2-150(Z)**	**NC2-185(Z)**	**NC2-225(Z)**	**NC2-265(Z)**	**NC2-330(Z)**	**NC2-400(Z)**	**NC2-500**	**NC2-630**	**NC2-800**	
Frame			**Frame 1**		**Frame 2**		**Frame 3**	**Frame 4**	**Frame 5**	**Frame 6**		**Frame 7**	
Rated Conventional heating current(A)AC-1			200	200	275	275	315	380	450	630	800	800	
Rated operational current(A)	AC-3	380/400V AC	115	150	185	225	265	330	400	500	630	AC-3	AC-4
	AC-4	660/690V AC	86	108	118	137	170	235	303	353	462	800	630
												486	462
Power of controlled 3-phase cage motor (AC-3)	kW	380/400V AC	55	75	90	110	132	160	200	250	335	450	
		660/690V AC	80	100	110	129	160	220	280	335	450	475	
	hp	240V AC	40	50	60	75	100	125	150	200	250	600	
		415V AC	60	75	100	125	150	150	200	250	350	650	
		480V AC	75	100	100	125	150	200	250	300	400	450	
		600V AC	75	100	100	125	150	200	300	350	500	475	
Operating cycles (operations /h)AC-3			1,200	1,200	600	600	600	600	600	600	600	600	
Electrical life ($\times 10^6$ operations)AC-3			1.2	1.2	1	1	0.8	0.8	0.8	0.8	0.8	0.6	
Mechanical life ($\times 10^6$ operations)			10	10	6	6	6	6	6	6	6	3	
Matched fuse	Model		RT36-1	RT36-1	RT36-2	RT36-2	RT36-3	RT36-3	RT36-3	RT36-4	RT36-4	RT36-4	
type	Rated current A		250	250	315	315	355	500	630	800	1000	1000	

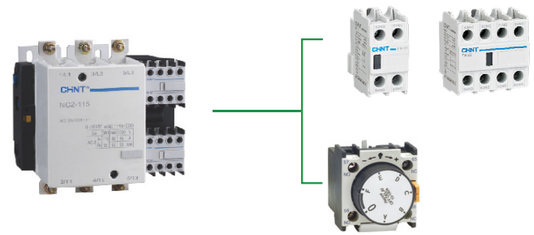
★ 4P contactors AC coil operation

Model			**NC2-115/4**	**NC2-150/4**	**NC2-185/4**	**NC2-225/4**	**NC2-265/4**	**NC2-330/4**	**NC2-400/4**	**NC2-630/4**
Frame			**Frame 1**		**Frame 1**		**Frame 3**	**Frame 4**	**Frame 5**	**Frame 6**
Conventional heating current(A)AC-1			200	200	275	275	315	380	450	800
Rated operational current(A)	AC-3	380/400V AC	115	150	185	225	265	330	400	630
	AC-4	660/690V AC	86	108	118	137	170	235	303	462
Power of controlled 3-phase cage motor (AC-3)	kW	380/400V AC	55	75	90	110	132	160	200	335
		660/690V AC	80	100	110	129	160	220	280	450
	hp	240V AC	40	50	60	75	100	125	150	250
		415V AC	60	75	100	125	150	150	200	350
		480V AC	75	100	100	125	150	200	250	400
		600V AC	75	100	100	125	150	200	300	500
Operating cycles (operations /h)AC-3			1,200	1,200	600	600	600	600	600	600
Electrical life ($\times 10^6$ operations)AC-3			1.2	1.2	1	1	0.8	0.8	0.8	0.8
Mechanical life ($\times 10^6$ operations)			10	10	6	6	6	6	6	6
Matched fuse	Model		RT36-1	RT36-1	RT36-2	RT36-2	RT36-3	RT36-3	RT16-3	RT36-4
type	Rated current (A)		250	250	315	315	355	500	630	1000

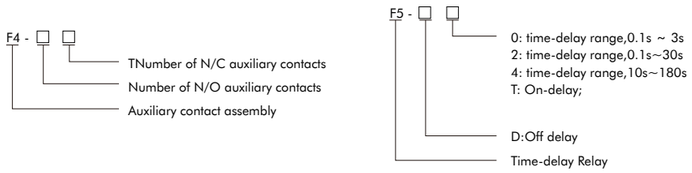
5. Accessories

Items			Model	NC2-115(Z)	NC2-150(Z)	NC2-185(Z)	NC2-225(Z)	NC2-265(Z)	NC2-330(Z)	NC2-400(Z)	NC2-500(Z)	NC2-630(Z)	NC2-800(Z)
AC coil	Coil power	AC:	In-rush (VA)	1500		1880		1,500	1,500	1,500	1,500	1,700	1,700
			Sealed (VA)	34.2		34.2		34.2	34.2	34.2	34.2	34.2	34.2
		DC:	In-rush (W)	1500		1880		1500	1500	1800			
			Sealed (W)	15		15		15	15	15			
	Operation range	Operation voltage		(85%~110%) Us				(85%~110%) Us					
		Drop-out voltage		10%Us~75%Us				10%Us~75%Us					
		3P		FF XXX (DC)		FG XXX (DC)		FI XXX (DC)	FI XXX (DC)	FJ XXX (DC)	FK XXX	FL XXX	FM XXX
		4P		FF XXX		FG XXX		FI XXX	FI XXX	FJ XXX	-	FL XXX/4	-
Coil voltage				AC: 110-127, 220-240, 380-415 DC: 48, 110, 220				AC: 110,127,220,230,380,400 DC: 110,220(NC2-265Z/330Z/400Z)					AC/DC: 110-127, 220-240, 380-415

Auxiliary contact



F5 auxiliary contact



Picture	Model	Configuration of contacts	
		Number of NO contact	Number of NC contact
	F4-20	2	0
	F4-11	1	1
	F4-02	0	2
	F4-40	4	0
	F4-31	3	1
	F4-22	2	2
	F4-13	1	3
	F4-04	0	4

Picture	Model	Time-delay range	Configuration of time-delay contacts
	F5-T0	0.1s~3s	N/O+N/C
	F5-T2	0.1s~30s	N/O+N/C
	F5-T4	10s~180s	N/O+N/C
	F5-D0	0.1s~3s	N/O+N/C
	F5-D2	0.1s~30s	N/O+N/C
	F5-D4	10s~180s	N/O+N/C

Mo del of rnech anic al interlock		Applicable assembly with contact ors
NJLs-FF		NC2-115+NC2-115; NC2-150+NC2-150; NC2-115+NC2-150
NJLs-GG		NC2-185+NC2-185; NC2-225+NC2-225; NC2-185+NC2-225
NJLs-HH	(Horiz ontal)	NC2-265+NC2-265; NC2-330+NC2-330; NC2-265+NC2-330
NJLs-KK		NC2-400+NC2-400; NC2-500+NC2-500; NC2-400+NC2-500
NJLs-LL		NC2-630+NC2-630; NC2-800+NC2-800
NJLc-FF		NC2-115+NC2-115; NC2-150+NC2-150; NC2-115+NC2-150
NJLc-FG		NC2-115+NC2-185; NC2-150+NC2-185; NC2-115+NC2-225; NC2-150+NC2-225
NJLc-FH		NC2-115+NC2-265; NC2-115+NC2-330; NC2-150+NC2-265; NC2-150+NC2-330
NJLc-FK		NC2-115+NC2-400; NC2-115+NC2-500; NC2-150+NC2-400; NC2-150+NC2-500
NJLc-FL		NC2-115+NC2-800; NC2-115+NC2-630; NC2-150+NC2-630; NC2-150+NC2-800
NJLc-GG		NC2-185+NC2-185; NC2-185+NC2-225; NC2-225+NC2-225
NJLc-GH		NC2-185+NC2-265; NC2-185+NC2-330; NC2-225+NC2-265; NC2-225+NC2-330
NJLc-GK	(Vertical)	NC2-185+NC2-400; NC2-185+NC2-500; NC2-225+NC2-400; NC2-225+NC2-500
NJLc-GL		NC2-185+NC2-800; NC2-185+NC2-630; NC2-225+NC2-630; NC2-225+NC2-800
NJLc-HH		NC2-265+NC2-265; NC2-330+NC2-330; NC2-265+NC2-330
NJLc-HK		NC2-265+NC2-400; NC2-330+NC2-400; NC2-265+NC2-500; NC2-330+NC2-500
NJLc-HL		NC2-265+NC2-630; NC2-265+NC2-800; NC2-330+NC2-630; NC2-330+NC2-800
NJLc-KK		NC2-400+NC2-400; NC2-500+NC2-500; NC2-400+NC2-500;
NJLc-KL		NC2-400+NC2-630; NC2-500+NC2-630; NC2-500+NC2-800; NC2-400+NC2-800
NJLc-LL		NC2-630+NC2-630; NC2-630+NC2-800; NC2-800+NC2-800

6. Structure features

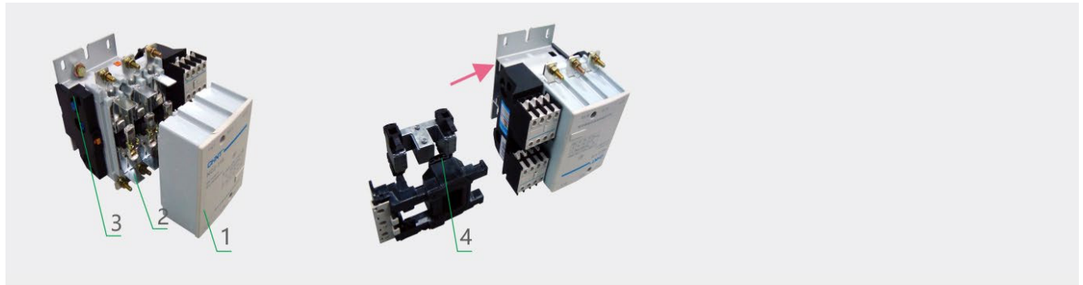
6.1 The contactor is composed of arc-extinguishing system, contact system, base frame and magnetic system (including iron core, coil)

The contact system of the contactor is of direct action type and double-breaking points allocation.

The lower base-frame of the contactor is made of shaped aluminum alloy and the coil is of plastic enclosed structure.

The coil is assembled with the amarture to be an integrated one. They can be directly taken out from or inserted into the contactor.

It is convenient for user's service and maintenance.



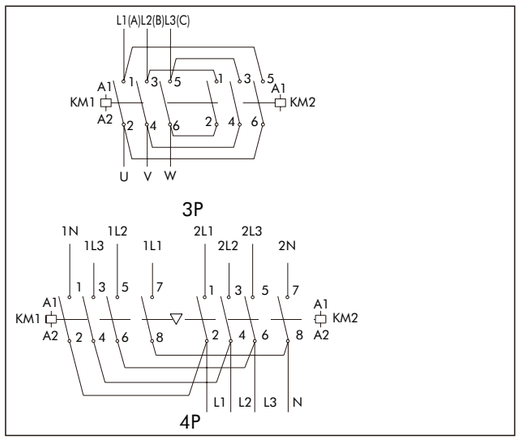
1:arc-extinguishing system 2:contact system 3:base frame 4:magnetic system

NC2 series contactor is of short arcing distance. For example,
the arcing distance of NC2-115~330 contactor is only 10mm (200~500V), which is about one sixth that of the previous contactor of the same capacity. It is an excellent complementary element used for an electric control device and it occupies smaller space in a complete set of equipment. The mechanical interlock can be added to the contactor in both horizontal direction and vertical direction. Three sets of contactor can be interlocked in the vertical direction.

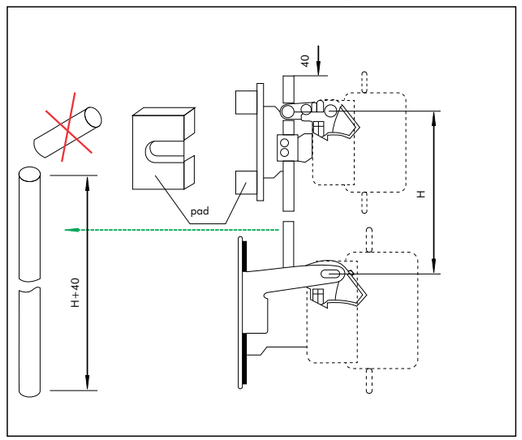
6.2 Refer to fig below for connection mode of connection plate, the interlocked contactors could be mounted horizontally or vertically. For vertical mounting, contactors with lower current mounted at the upper position.

6.3 For reversing type contactors assembled with NC2-115~225 and NC2-265~630, which will be mounted vertically, a padding plate should be added at the bottom of NC2-115~225.

Connection of connection plate

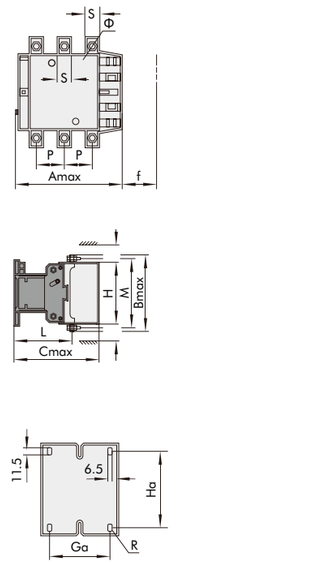


Rereising contactor mounted vertically

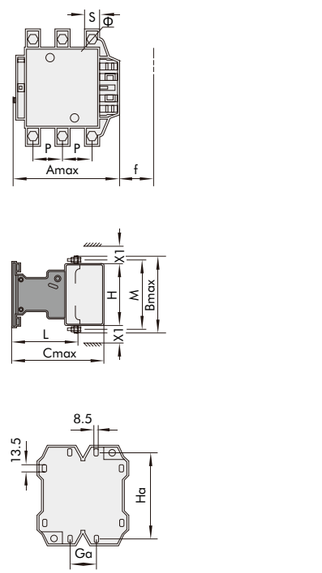


7. Overall and mounting dimensions (mm)

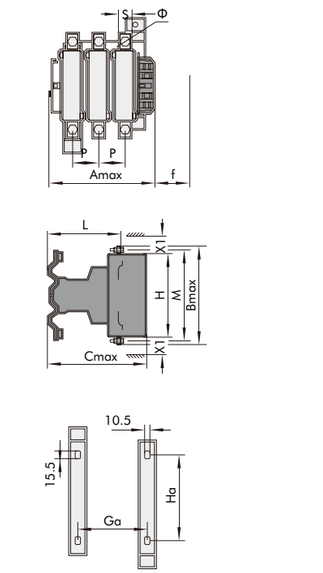
NC2-115~330



NC2-400~500



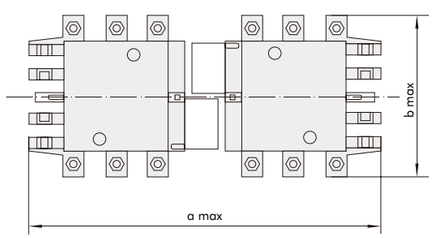
NC2-630~800

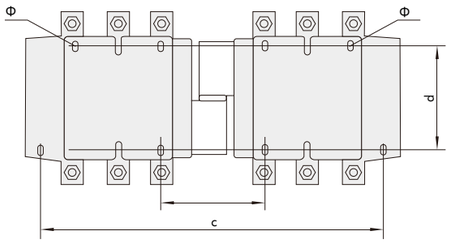


Model		A	B	C	P	S	Φ	f	M	H	L	X1 200~500V	X1 550~1000V	Ga	Ha
NC2-115	3P	168	163	172	37	20	M6	131	147	124	107	10	15	80	110~120
	4P	204	163	172	37	20	M6	131	147	124	107				
NC2-150	3P	168	171	172	40	20	M8	131	150	124	107	10	15	80	110~120
	4P	204	171	172	40	20	M8	131	150	124	107				
NC2-185	3P	171	175	183	40	20	M8	131	154	127	113.5	10	15	80	110~120
	4P	211	175	183	40	20	M8	131	154	127	113.5				
NC2-225	3P	171	198	183	48	25	M10	131	172	127	113.5	10	15	80	110~120
	4P	211	198	183	48	25	M10	131	172	127	113.5				
NC2-265	3P	202	204	215	48	25	M10	147	178	147	141	10	15	96	110~120
	4P	247	204	215	48	25	M10	147	178	147	141				
NC2-330	3P	215	208	220	48	25	M10	147	181	158	145	10	15	96	110~120
	4P	261	208	220	48	25	M10	147	181	158	145				
NC2-400	3P	215	208	220	48	25	M10	147	181	158	145	15	20	80	170~180
	4P	261	208	220	48	25	M10	147	181	158	145				
NC2-500	3P	235	238	233	55	30	M10	150	208	172	146	15	20	80	170~180
NC2-630	3P	312	305	256	80	40	M12	181	264	202	155	20	30	180	180~190
	4P	389	305	256	80	40	M12	181	264	202	155			240	
NC2-800	3P	312	305	256	80	40	M12	181	264	202	155	20	30	180	180~190

Note: a. f is the min distance needed to mount and dismount the coil.
b. X1: arcing distance is identified by operating voltage and breaking capacity.

NC2-115Ns~630Ns(Horizontal mounting)

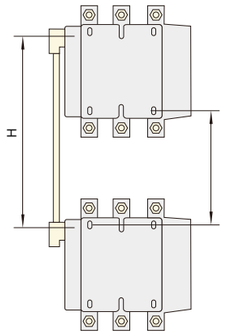




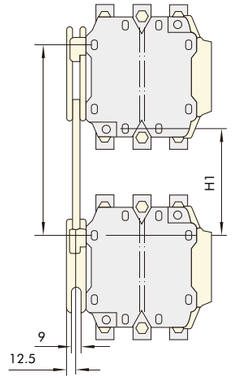
mm

Modle	pole	A max	b max	c	d	J
NC2-115Ns	3	350	163	330	110~120	71
	4	425	208	370		108
NC2-150Ns	3	350	171	330		71
	4	425	211	370		111
NC2-185Ns	3	353	174	330		78
	4	430	223	370		118
NC2-225Ns	3	353	197	330		78
	4	430	243	370		118
NC2-265Ns	3	450	203	428		109
	4	546	249	485		157
NC2-330Ns	3	450	206	428		124
	4	546	251	485		172
NC2-400Ns	3	485	206	460	170~180	157
	4	546	251	485		157
NC2-500Ns	3	485	238	460		156
NC2-630Ns	4	650	304	625	180~190	139
	3	810	364	785		139
NC2-800Ns	4	650	304	625		139

NC2-115Nc~630Nc(Vertical mounting)



a.NC2-115Nc~225Nc



b.NC2-265Nc~800Nc

Model	H		H1	
	Min	Max	Min	Max
NC2-115NC、NC2-150Nc	200	310	80	190
NC2-185NC、NC2-225Nc	220	310	100	190
NC2-265Nc	250	380	130	260
NC2-330Nc	260	380	60	200
NC2-400Nc	280	380	100	200
NC2-500Nc	300	380	120	200
NC2-630Nc	380	380	200	200
NC2-800Nc	380	380	200	200

8.Assembly with overload relay

8.1 Assembly with thermal overload relay

Model of contactor	Assembled ther malocerload relay		
	ModelR	ated current(A)	Recommended fuse type gG
NC2-115 NC2-150 NC2-185 NC2-225		80~160	315
		100~200	315
NC2-185 NC2-225 NC2-265 NC2-330 NC2-400 NC2-500 NC2-630	 NXR	125~250	800
		200~400	800
		315~630	800

NC2	-	115	Z	/	4	220V~240V
Product Series		**Rated Current (AC-3)**	**Coil Type and function**		**Main Contact**	**Control Voltage**
		115: 115A 150: 150A 185: 185A 225: 225A 265: 265A 330: 330A 400: 400A 500: 500A 630: 630A 800: 800A	Blank: standard AC coil Z: standard DC coil (115~400A only) Ns: reversing, horizontal installation		Blank: 3NO 4: 4NO	115~225A, 800A: 110V~127V: AC110V~127V 220V~240V: AC220V~240V 380V~415V: AC380V~415V 265~630A: 110V: AC110V 127V: AC127V 220V: AC220V 230V: AC230V 240V: AC240V 380V: AC380V 400V: AC400V 415V: AC415V 115~400A: DC48V: DC48V DC110V: DC110V DC220V: DC220V

NC2 Contactor 115~800A

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
115A	3NO	-	AC 110V-127V	NC2-115 110V-127V	236683
115A	3NO	-	AC 220V-240V	NC2-115 220V-240V	671433
115A	3NO	-	AC 380V-415V	NC2-115 380V-415V	671690
115A	3NO	-	AC 110V-127V	NC2-115Ns 110V-127V	235657
115A	3NO	-	AC 220V-240V	NC2-115Ns 220V-240V	235661
115A	3NO	-	AC 380V-415V	NC2-115Ns 380V-415V	235667
115A	3NO	-	DC 220V	NC2-115Z 220V	237030
115A	3NO	-	DC 110V	NC2-115Z 110V	237031
115A	3NO	-	DC 48V	NC2-115Z 48V	237032
115A	4NO	-	AC 110V-127V	NC2-115/4 110V-127V	237023
115A	4NO	-	AC 220V-240V	NC2-115/4 220V-240V	671434
115A	4NO	-	AC 380V-415V	NC2-115/4 380V-415V	671694
115A	4NO	-	AC 110V-127V	NC2-115Ns/4 110V-127V	235697
115A	4NO	-	AC 220V-240V	NC2-115Ns/4 220V-240V	235701
115A	4NO	-	AC 380V-415V	NC2-115Ns/4 380V-415V	235707
150A	3NO	-	AC 110V-127V	NC2-150 110V-127V	236579
150A	3NO	-	AC 220V-240V	NC2-150 220V-240V	671398
150A	3NO	-	AC 380V-415V	NC2-150 380V-415V	671691
150A	3NO	-	AC 110V-127V	NC2-150Ns 110V-127V	235738
150A	3NO	-	AC 220V-240V	NC2-150Ns 220V-240V	235742
150A	3NO	-	AC 380V-415V	NC2-150Ns 380V-415V	235748
150A	3NO	-	DC 220V	NC2-150Z 220V	237033
150A	3NO	-	DC 110V	NC2-150Z 110V	237034
150A	3NO	-	DC 48V	NC2-150Z 48V	237035
150A	4NO	-	AC 110V-127V	NC2-150/4 110V-127V	236745
150A	4NO	-	AC 220V-240V	NC2-150/4 220V-240V	671399
150A	4NO	-	AC 380V-415V	NC2-150/4 380V-415V	671695
150A	4NO	-	AC 110V-127V	NC2-150Ns/4 110V-127V	235778
150A	4NO	-	AC 220V-240V	NC2-150Ns/4 220V-240V	235782
150A	4NO	-	AC 380V-415V	NC2-150Ns/4 380V-415V	235788

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
185A	3NO	-	AC 110V-127V	NC2-185 110V-127V	236580
185A	3NO	-	AC 220V-240V	NC2-185 220V-240V	671435
185A	3NO	-	AC 380V-415V	NC2-185 380V-415V	671692
185A	3NO	-	AC 110V-127V	NC2-185Ns 110V-127V	235820
185A	3NO	-	AC 220V-240V	NC2-185Ns 220V-240V	235824
185A	3NO	-	AC 380V-415V	NC2-185Ns 380V-415V	235830
185A	3NO	-	DC 220V	NC2-185Z 220V	237036
185A	3NO	-	DC 110V	NC2-185Z 110V	237037
185A	3NO	-	DC 48V	NC2-185Z 48V	237038
185A	4NO	-	AC 110V-127V	NC2-185/4 110V-127V	236994
185A	4NO	-	AC 220V-240V	NC2-185/4 220V-240V	671436
185A	4NO	-	AC 380V-415V	NC2-185/4 380V-415V	671696
185A	4NO	-	AC 110V-127V	NC2-185Ns/4 110V-127V	235860
185A	4NO	-	AC 220V-240V	NC2-185Ns/4 220V-240V	235864
185A	4NO	-	AC 380V-415V	NC2-185Ns/4 380V-415V	235870
225A	3NO	-	AC 110V-127V	NC2-225 110V-127V	236978
225A	3NO	-	AC 220V-240V	NC2-225 220V-240V	671400
225A	3NO	-	AC 380V-415V	NC2-225 380V-415V	671693
225A	3NO	-	AC 110V-127V	NC2-225Ns 110V-127V	235904
225A	3NO	-	AC 220V-240V	NC2-225Ns 220V-240V	235908
225A	3NO	-	AC 380V-415V	NC2-225Ns 380V-415V	235914
225A	3NO	-	DC 220V	NC2-225Z 220V	237039
225A	3NO	-	DC 110V	NC2-225Z 110V	237040
225A	3NO	-	DC 48V	NC2-225Z 48V	237041
225A	4NO	-	AC 110V-127V	NC2-225/4 110V-127V	236984
225A	4NO	-	AC 220V-240V	NC2-225/4 220V-240V	671401
225A	4NO	-	AC 380V-415V	NC2-225/4 380V-415V	671697
225A	4NO	-	AC 110V-127V	NC2-225Ns/4 110V-127V	235944
225A	4NO	-	AC 220V-240V	NC2-225Ns/4 220V-240V	235948
225A	4NO	-	AC 380V-415V	NC2-225Ns/4 380V-415V	235954

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
265A	3NO	-	AC 400V	NC2-265 400V	236582
265A	3NO	-	AC 240V	NC2-265 240V	236716
265A	3NO	-	AC 220V	NC2-265 220V	236732
265A	3NO	-	AC 110V	NC2-265 110V	237026
265A	3NO	-	AC 127V	NC2-265 127V	237070
265A	3NO	-	AC 415V	NC2-265 415V	237071
265A	3NO	-	AC 230V	NC2-265 230V	671402
265A	3NO	-	AC 380V	NC2-265 380V	671426
265A	3NO	-	AC 110V	NC2-265Ns 110V	235986
265A	3NO	-	AC 127V	NC2-265Ns 127V	235988
265A	3NO	-	AC 220V	NC2-265Ns 220V	235990
265A	3NO	-	AC 230V	NC2-265Ns 230V	235992
265A	3NO	-	AC 240V	NC2-265Ns 240V	235994
265A	3NO	-	AC 380V	NC2-265Ns 380V	235996
265A	3NO	-	AC 400V	NC2-265Ns 400V	235998
265A	3NO	-	AC 415V	NC2-265Ns 415V	236000
265A	3NO	-	DC 220V	NC2-265Z 220V	671392
265A	3NO	-	DC 110V	NC2-265Z 110V	671393
265A	4NO	-	AC 127V	NC2-265/4 127V	236008
265A	4NO	-	AC 400V	NC2-265/4 400V	236589
265A	4NO	-	AC 240V	NC2-265/4 240V	236728
265A	4NO	-	AC 110V	NC2-265/4 110V	236996
265A	4NO	-	AC 415V	NC2-265/4 415V	237020
265A	4NO	-	AC 120V	NC2-265/4 120V	237052
265A	4NO	-	AC 230V	NC2-265/4 230V	671403
265A	4NO	-	AC 380V	NC2-265/4 380V	671427
265A	4NO	-	AC 110V	NC2-265Ns/4 110V	236026
265A	4NO	-	AC 127V	NC2-265Ns/4 127V	236028
265A	4NO	-	AC 220V	NC2-265Ns/4 220V	236030
265A	4NO	-	AC 230V	NC2-265Ns/4 230V	236032
265A	4NO	-	AC 240V	NC2-265Ns/4 240V	236034
265A	4NO	-	AC 380V	NC2-265Ns/4 380V	236036
265A	4NO	-	AC 400V	NC2-265Ns/4 400V	236038
265A	4NO	-	AC 415V	NC2-265Ns/4 415V	236040

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
330A	3NO	-	AC 110V	NC2-330 110V	236046
330A	3NO	-	AC 127V	NC2-330 127V	236052
330A	3NO	-	AC 220V	NC2-330 220V	236055
330A	3NO	-	AC 230V	NC2-330 230V	236058
330A	3NO	-	AC 240V	NC2-330 240V	236061
330A	3NO	-	AC 380V	NC2-330 380V	236064
330A	3NO	-	AC 400V	NC2-330 400V	236067
330A	3NO	-	AC 415V	NC2-330 415V	236070
330A	3NO	-	AC 110V	NC2-330Ns 110V	236073
330A	3NO	-	AC 127V	NC2-330Ns 127V	236076
330A	3NO	-	AC 220V	NC2-330Ns 220V	236079
330A	3NO	-	AC 230V	NC2-330Ns 230V	236082
330A	3NO	-	AC 240V	NC2-330Ns 240V	236085
330A	3NO	-	AC 380V	NC2-330Ns 380V	236088
330A	3NO	-	AC 400V	NC2-330Ns 400V	236091
330A	3NO	-	AC 415V	NC2-330Ns 415V	236094
330A	3NO	-	DC 220V	NC2-330Z 220V	671394
330A	3NO	-	DC 110V	NC2-330Z 110V	671395
330A	4NO	-	AC 110V	NC2-330/4 110V	236097
330A	4NO	-	AC 127V	NC2-330/4 127V	236100
330A	4NO	-	AC 220V	NC2-330/4 220V	236103
330A	4NO	-	AC 230V	NC2-330/4 230V	236106
330A	4NO	-	AC 240V	NC2-330/4 240V	236109
330A	4NO	-	AC 380V	NC2-330/4 380V	236112
330A	4NO	-	AC 400V	NC2-330/4 400V	236115
330A	4NO	-	AC 415V	NC2-330/4 415V	236118
330A	4NO	-	AC 110V	NC2-330Ns/4 110V	236121
330A	4NO	-	AC 127V	NC2-330Ns/4 127V	236124
330A	4NO	-	AC 220V	NC2-330Ns/4 220V	236127
330A	4NO	-	AC 230V	NC2-330Ns/4 230V	236130
330A	4NO	-	AC 240V	NC2-330Ns/4 240V	236133
330A	4NO	-	AC 380V	NC2-330Ns/4 380V	236136
330A	4NO	-	AC 400V	NC2-330Ns/4 400V	236139
330A	4NO	-	AC 415V	NC2-330Ns/4 415V	236142

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
400A	3NO	-	AC 110V	NC2-400 110V	236145
400A	3NO	-	AC 127V	NC2-400 127V	236151
400A	3NO	-	AC 220V	NC2-400 220V	236154
400A	3NO	-	AC 230V	NC2-400 230V	236157
400A	3NO	-	AC 240V	NC2-400 240V	236160
400A	3NO	-	AC 380V	NC2-400 380V	236163
400A	3NO	-	AC 400V	NC2-400 400V	236166
400A	3NO	-	AC 415V	NC2-400 415V	236169
400A	3NO	-	AC 110V	NC2-400Ns 110V	236173
400A	3NO	-	AC 127V	NC2-400Ns 127V	236176
400A	3NO	-	AC 220V	NC2-400Ns 220V	236179
400A	3NO	-	AC 230V	NC2-400Ns 230V	236182
400A	3NO	-	AC 240V	NC2-400Ns 240V	236185
400A	3NO	-	AC 380V	NC2-400Ns 380V	236188
400A	3NO	-	AC 400V	NC2-400Ns 400V	236191
400A	3NO	-	AC 415V	NC2-400Ns 415V	236194
400A	3NO	-	DC 220V	NC2-400Z 220V	671396
400A	3NO	-	DC 110V	NC2-400Z 110V	671397
400A	4NO	-	AC 110V	NC2-400/4 110V	236197
400A	4NO	-	AC 127V	NC2-400/4 127V	236200
400A	4NO	-	AC 220V	NC2-400/4 220V	236203
400A	4NO	-	AC 230V	NC2-400/4 230V	236206
400A	4NO	-	AC 240V	NC2-400/4 240V	236209
400A	4NO	-	AC 380V	NC2-400/4 380V	236212
400A	4NO	-	AC 400V	NC2-400/4 400V	236215
400A	4NO	-	AC 415V	NC2-400/4 415V	236218
400A	4NO	-	AC 110V	NC2-400Ns/4 110V	236221
400A	4NO	-	AC 127V	NC2-400Ns/4 127V	236224
400A	4NO	-	AC 220V	NC2-400Ns/4 220V	236227
400A	4NO	-	AC 230V	NC2-400Ns/4 230V	236230
400A	4NO	-	AC 240V	NC2-400Ns/4 240V	236233
400A	4NO	-	AC 380V	NC2-400Ns/4 380V	236236
400A	4NO	-	AC 400V	NC2-400Ns/4 400V	236239
400A	4NO	-	AC 415V	NC2-400Ns/4 415V	236242

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
500A	3NO	-	AC 110V	NC2-500 110V	236245
500A	3NO	-	AC 127V	NC2-500 127V	236251
500A	3NO	-	AC 220V	NC2-500 220V	236254
500A	3NO	-	AC 240V	NC2-500 240V	236259
500A	3NO	-	AC 380V	NC2-500 380V	236262
500A	3NO	-	AC 400V	NC2-500 400V	236265
500A	3NO	-	AC 415V	NC2-500 415V	236268
500A	3NO	-	AC 230V	NC2-500 230V	236583
500A	3NO	-	AC 110V	NC2-500Ns 110V	236271
500A	3NO	-	AC 127V	NC2-500Ns 127V	236274
500A	3NO	-	AC 220V	NC2-500Ns 220V	236277
500A	3NO	-	AC 230V	NC2-500Ns 230V	236280
500A	3NO	-	AC 240V	NC2-500Ns 240V	236283
500A	3NO	-	AC 380V	NC2-500Ns 380V	236286
500A	3NO	-	AC 400V	NC2-500Ns 400V	236289
500A	3NO	-	AC 415V	NC2-500Ns 415V	236292

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
630A	3NO	-	AC 110V	NC2-630 110V	236295
630A	3NO	-	AC 127V	NC2-630 127V	236301
630A	3NO	-	AC 220V	NC2-630 220V	236304
630A	3NO	-	AC 230V	NC2-630 230V	236307
630A	3NO	-	AC 240V	NC2-630 240V	236310
630A	3NO	-	AC 380V	NC2-630 380V	236313
630A	3NO	-	AC 400V	NC2-630 400V	236316
630A	3NO	-	AC 415V	NC2-630 415V	236319
630A	3NO	-	AC 110V	NC2-630Ns 110V	236322
630A	3NO	-	AC 127V	NC2-630Ns 127V	236325
630A	3NO	-	AC 220V	NC2-630Ns 220V	236328
630A	3NO	-	AC 230V	NC2-630Ns 230V	236331
630A	3NO	-	AC 240V	NC2-630Ns 240V	236334
630A	3NO	-	AC 380V	NC2-630Ns 380V	236337
630A	3NO	-	AC 400V	NC2-630Ns 400V	236340
630A	3NO	-	AC 415V	NC2-630Ns 415V	236343
630A	4NO	-	AC 110V	NC2-630/4 110V	236346
630A	4NO	-	AC 127V	NC2-630/4 127V	236349
630A	4NO	-	AC 220V	NC2-630/4 220V	236352
630A	4NO	-	AC 230V	NC2-630/4 230V	236355
630A	4NO	-	AC 240V	NC2-630/4 240V	236358
630A	4NO	-	AC 380V	NC2-630/4 380V	236361
630A	4NO	-	AC 400V	NC2-630/4 400V	236364
630A	4NO	-	AC 415V	NC2-630/4 415V	236367
630A	4NO	-	AC 110V	NC2-630Ns/4 110V	236370
630A	4NO	-	AC 127V	NC2-630Ns/4 127V	236373
630A	4NO	-	AC 220V	NC2-630Ns/4 220V	236376
630A	4NO	-	AC 230V	NC2-630Ns/4 230V	236379
630A	4NO	-	AC 240V	NC2-630Ns/4 240V	236382
630A	4NO	-	AC 380V	NC2-630Ns/4 380V	236385
630A	4NO	-	AC 400V	NC2-630Ns/4 400V	236388
630A	4NO	-	AC 415V	NC2-630Ns/4 415V	236391
800A	3NO	-	AC 110V-127V	NC2-800 110V-127V	236704
800A	3NO	-	AC 380V-415V	NC2-800 380V-415V	236710
800A	3NO	-	AC 220V-240V	NC2-800 220V-240V	254405
800A	3NO	-	AC 110V-127V	NC2-800Ns 110V-127V	671387
800A	3NO	-	AC 220V-240V	NC2-800Ns 220V-240V	671388
800A	3NO	-	AC 380V-415V	NC2-800Ns 380V-415V	671389



NCK3 Series Definite Purpose Contactors

1. General

1.1 Certificates: UL，CE、CSA

1.2 Application: HVACR;

1.3 Utilization category: AC-1, AC-8a;

1.4 Rated insulation voltage: 630V;

1.5 Standard: UL/CSA 60947-4-1 IEC/EN 60947-4-1

1.6 Normal operating conditions:

Ambient air temperature: -5℃～+40℃

Pollution degree: 2.

Altitude: ≤2000m

Mounting angle: The inclination between the mounting surface and vertical plane cannot exceed ±5°.

1.7 IP00

2. Type designation

N C K 3 - □/□ □□

- Number of N/C auxiliary contacts
- Number of N/O auxiliary contacts
- Number of main contacts,blank:3P
- Full Load Amps(AC-8a)
- Design sequence No.
- For HVACR application
- Contactor
- Company code

3. Technical data

3.1 Contactor

Model	NCK3-20/1-40/1								
	FLA			RES	LRA			Voltage	Single-phase horsepower
	240/277V	480V	600V		240/277V	480V	600V		
NCK3-20/1	25	25	25	35	152	125	100	120	1
								240	2
NCK3-25/1	25	25	25	35	150	125	100	120	1
								240	2
NCK3-30/1	32	32	32	40	200	150	120	120	1
								240	2
NCK3-32/1	32	32	32	40	200	150	120	120	1
								240	2
NCK3-40/1	40	40	40	50	240	200	160	120	2
								240	3

★ NCK3, 1pole+1NC auxiliary contact

Model	NCK3-20/101-40/101								
	FLA			RES	LRA			Voltage	Single-phase horsepower
	240/277V	480V	600V		240/277V	480V	600V		
NCK3-20/101	25	25	25	35	150	125	100	120	1
								240	2
NCK3-25/101	25	25	25	35	150	125	100	120	1
								240	2
NCK3-30/101	32	32	32	40	200	150	120	120	1
								240	2
NCK3-32/101	32	32	32	40	200	150	120	120	1
								240	2
NCK3-40/101	40	40	40	50	240	200	160	120	2
								240	3

3.2 Contactor

★ NCK3, 2Pole

Model	NCK3-20/2-40/2								
	FLA			RES	LRA			Voltage	Single-phase horsepower
	240/277V	480V	600V		240/277V	480V	600V		
NCK3-20/2	25	25	25	35	150	125	100	120	2
								240	3
NCK3-25/2	25	25	25	35	150	125	100	120	2
								240	3
NCK3-30/2	32	32	32	40	200	150	120	120	2
								240	3
NCK3-32/2	32	32	32	40	200	150	120	120	2
								240	3
NCK3-40/2	40	40	40	50	240	200	160	120	2
								240	3

★ NCK3, 3Pole

Model	NCK3-20-40									
	FLA			RES	LRA			Voltage	Single-phasehorsepower	Three-phasehorsepower
	240/277V	480V	600V		240/277V	480V	600V			
NCK3-20	25	25	25	35	150	125	100	120	2	/
								240/277	5	10
								480	/	15
								600		20
NCK3-25	25	25	25	35	150	125	100	120	2	/
								240/277	5	10
								480	/	15
								600	/	20
NCK3-30	32	32	32	40	200	150	120	120	2	/
								240/277	5	10
								480	/	15
								600	/	20
NCK3-32	32	32	32	40	200	150	120	120	2	/
								240/277	5	10
								480	/	15
									/	20
NCK3-40	40	40	40	50	240	200	160		3	/
								240/277	7.5	10
								480	/	20
								600	/	25

Model	NCK3-50-60									
	FLA			RES	LRA			Voltage	Single-phase horsepower HP	Three-phase horsepower HP
	240/277V	480V	600V		240/277V	480V	600V			
NCK3-50	50	50	50		300	250	200	110/120	3	/
								200/208	7.5	15
								240/277	10	15
								480	/	25
								600	/	25
NCK3-60	60	60	60	75	360	300	240	110/120	5	/
								200/208	7.5	25
								240/277	10	25
								480	/	30
								600	/	30

Model	NCK3-75-90									
	FLA			RES	LRA			Voltage	Single-phase horsepower HP	Three-phase horsepower HP
	240/277V	480V	600V		240/277V	480V	600V			
NCK3-75	75	75	75	90	450	375	300	110/120	5	/
								200/208	10	20
								240/277	15	25
								480	/	50
								600	/	50
NCK3-90	90	90	90	120	540	450	360	110/120	7.5	/
								200/208	15	
								240/277	20 (88A FLA)	30
								480	/	60
								600	/	60 (62A FLA)

3.3 Coil specifications

★ 1Pole+shunt, 1Pole+1 NC, auxiliary contact, 2Pole

Model		NCK3-25(20)	NCK3-30(32)	NCK3-40
Power consumption	In-rush (VA)	55	55	55
	Sealed (VA)	13	13	13
Operation range	Operation voltage	(85%~110%) Us		
	Drop-out voltage	(20%~65%) Us		
Power supply voltage Us		AC50/60Hz,24V,110V,120V,220V,240V		

★ 3Pole

Model		NCK3-20~40	NCK3-50~60	NCK3-75~90
Power consumption	In-rush (VA)	55	96	242
	Sealed (VA)	12	14	30
Operation range	Operation voltage	(85%~110%) Us		
	Drop-out voltage	(20%~65%) Us		
Power supply voltage Us		AC50/60Hz,24V,110V,120V,220V,240V		

3.4 Specifications of auxiliary contact

★ 1Pole+1 NC auxiliary contact

Ith(A)	Ui(V)	Capacity of auxiliary contact	
		AC(VA)	DC(W)
10	600	300	30

★ 3Poe，lateral auxiliary contact (NCF8-11 1NC+1NO)

Utilization category	Rated insulation voltage(V)	Resistive a mps (A)	Rated operational voltage(V)	Rated operational current(A)	Control capacity
AC-15	660V	10	380/400	0.95	360VA
DC-13	660V	10	220/230	0.15	33W

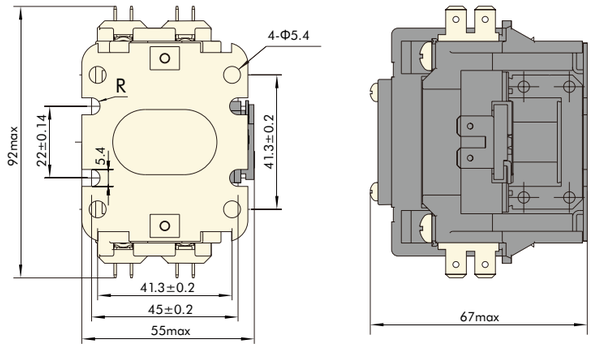
NCK3-20 ~ 40 canbe equippedwith1 NCF8-11, pull-involtage: (88% ~ 110%) Us;
NCK3-50 ~ 90 canbe equippedwith1 or 2 NCF8-11, pull-involtage: (85% ~ 110%) Us

4. Terminal connection

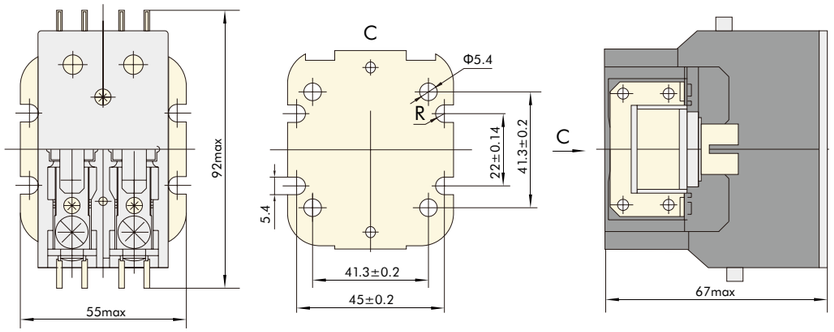
Model	Cabling(mm²)(Cu)		Tightening torque(N·m)				
	Rigid wire with single core	Flexible stranded wire	Coil		Main circuit		
				torque(N.m)			torque(N.m)
NCK3-20	2.5~6	2.5~4	-	-	M8	M5	2.3
NCK3-25	2.5~6	2.5~4	-	-	M8	M5	2.3
NCK3-32	4~10	2.5~6	-	-	M8	M5	2.3
NCK3-40	4~10	2.5~6	-	-	M8	M5	2.3
NCK3-50	6~16	4~10	M3.5	0.8	M10	-	4.5
NCK3-60	6~16	4~10	M3.5	0.8	M10	-	4.5
NCK3-75	16~35	10~25	M4	1.2	M12	-	5.6
NCK3-90	25 ~ 35	16~25	M4	1.2	M12	-	5.6

5. Overall and mounting dimensions (mm)

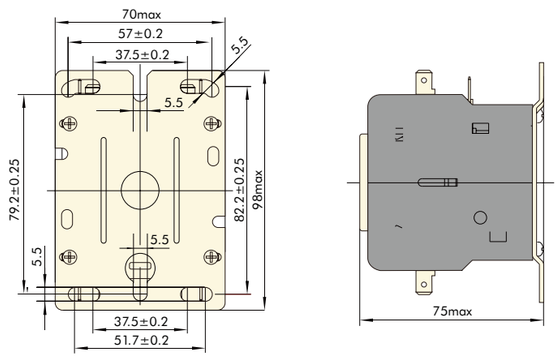
NCK3-20/1~40/1



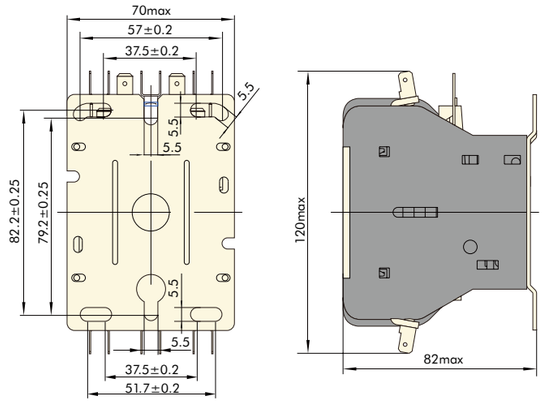
NCK3-20/2-40/2
NCK3-20/10-40/10



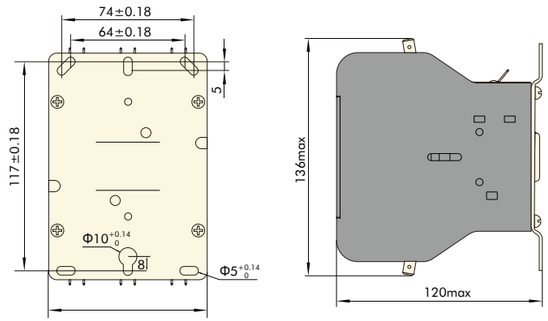
NCK3-20~40



NCK3-50~60



NCK3-75~90



NCK3	-	20	/	1	01	220V~240V	50Hz
Product Series		**Rated Current (AC-8a)**		**Main Contact**	**Auxiliary Contact**	**Control Voltage**	**Frequency**
		20: 20A 25: 25A 30: 30A 32: 32A 40: 40A 50: 50A 60: 60A 75: 75A 90: 90A		1: 1NO 2: 2NO 3: 3NO	01: 1NC 10: 1NO	24V: AC24V 110V: AC110V 120v: AC120V 127V: AC127V 220V: AC220V 230V: AC230V 240V: AC240V 380V: AC380V 440V: AC440V 600V: AC600V	50Hz 60Hz 50/60Hz

NCK3 Contactor 20~90A

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	1P	-	AC 380V 50/60Hz	NCK3-20/1 380V 50/60Hz	246881
20A	2P	-	AC 110V 50/60Hz	NCK3-20/2 110V 50/60Hz	245102
20A	2P	-	AC 110V 50Hz	NCK3-20/2 110V 50Hz	245103
20A	2P	-	AC 110V 60Hz	NCK3-20/2 110V 60Hz	245104
20A	2P	-	AC 120V 50/60Hz	NCK3-20/2 120V 50/60Hz	245105
20A	2P	-	AC 120V 50Hz	NCK3-20/2 120V 50Hz	245106
20A	2P	-	AC 120V 60Hz	NCK3-20/2 120V 60Hz	245107
20A	2P	-	AC 220V 50/60Hz	NCK3-20/2 220V 50/60Hz	245111
20A	2P	-	AC 220V 50Hz	NCK3-20/2 220V 50Hz	245112
20A	2P	-	AC 220V 60Hz	NCK3-20/2 220V 60Hz	245113
20A	2P	-	AC 230V 50/60Hz	NCK3-20/2 230V 50/60Hz	245114
20A	2P	-	AC 230V 50Hz	NCK3-20/2 230V 50Hz	245115
20A	2P	-	AC 230V 60Hz	NCK3-20/2 230V 60Hz	245116
20A	2P	-	AC 240V 50/60Hz	NCK3-20/2 240V 50/60Hz	245117
20A	2P	-	AC 240V 50Hz	NCK3-20/2 240V 50Hz	245118
20A	2P	-	AC 240V 60Hz	NCK3-20/2 240V 60Hz	245119
20A	2P	-	AC 24V 50/60Hz	NCK3-20/2 24V 50/60Hz	245120
20A	2P	-	AC 24V 50Hz	NCK3-20/2 24V 50Hz	245122
20A	2P	-	AC 24V 60Hz	NCK3-20/2 24V 60Hz	245123
20A	2P	-	AC 380V 50/60Hz	NCK3-20/2 380V 50/60Hz	245127
20A	2P	-	AC 380V 50Hz	NCK3-20/2 380V 50Hz	245128
20A	3P	-	AC 120V 50/60Hz	NCK3-20/3 120V 50/60Hz	146360

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	1P	-	AC 110V 50/60Hz	NCK3-25/1 110V 50/60Hz	245145
25A	1P	-	AC 110V 50Hz	NCK3-25/1 110V 50Hz	245146
25A	1P	-	AC 110V 60Hz	NCK3-25/1 110V 60Hz	245147
25A	1P	-	AC 120V 50/60Hz	NCK3-25/1 120V 50/60Hz	245148
25A	1P	-	AC 120V 50Hz	NCK3-25/1 120V 50Hz	245149
25A	1P	-	AC 120V 60Hz	NCK3-25/1 120V 60Hz	245150
25A	1P	-	AC 127V 50/60Hz	NCK3-25/1 127V 50/60Hz	245151
25A	1P	-	AC 220V 50/60Hz	NCK3-25/1 220V 50/60Hz	245154
25A	1P	-	AC 220V 50Hz	NCK3-25/1 220V 50Hz	245155
25A	1P	-	AC 220V 60Hz	NCK3-25/1 220V 60Hz	245156
25A	1P	-	AC 230V 50/60Hz	NCK3-25/1 230V 50/60Hz	245157
25A	1P	-	AC 230V 50Hz	NCK3-25/1 230V 50Hz	245158
25A	1P	-	AC 230V 60Hz	NCK3-25/1 230V 60Hz	245159
25A	1P	-	AC 240V 50/60Hz	NCK3-25/1 240V 50/60Hz	245160
25A	1P	-	AC 240V 50Hz	NCK3-25/1 240V 50Hz	245161
25A	1P	-	AC 240V 60Hz	NCK3-25/1 240V 60Hz	245162
25A	1P	-	AC 24V 50/60Hz	NCK3-25/1 24V 50/60Hz	245163
25A	1P	-	AC 24V 50Hz	NCK3-25/1 24V 50Hz	245164
25A	1P	-	AC 24V 60Hz	NCK3-25/1 24V 60Hz	245165
25A	1P	-	AC 380V 50/60Hz	NCK3-25/1 380V 50/60Hz	245169
25A	1P	-	AC 380V 50Hz	NCK3-25/1 380V 50Hz	245170
25A	1P	-	AC 24V 50/60Hz	NCK3-25 24V 50/60Hz	245672
25A	1P	-	AC 24V 50Hz	NCK3-25 24V 50Hz	245673
25A	1P	-	AC 24V 60Hz	NCK3-25 24V 60Hz	245674
25A	1P	-	AC 110V 50/60Hz	NCK3-25 110V 50/60Hz	245681
25A	1P	-	AC 110V 50Hz	NCK3-25 110V 50Hz	245682
25A	1P	-	AC 110V 60Hz	NCK3-25 110V 60Hz	245683
25A	1P	-	AC 120V 50/60Hz	NCK3-25 120V 50/60Hz	245684
25A	1P	-	AC 120V 50Hz	NCK3-25 120V 50Hz	245685
25A	1P	-	AC 120V 60Hz	NCK3-25 120V 60Hz	245686
25A	1P	-	AC 127V 50/60Hz	NCK3-25 127V 50/60Hz	245687
25A	1P	-	AC 220V 50/60Hz	NCK3-25 220V 50/60Hz	245690
25A	1P	-	AC 220V 50Hz	NCK3-25 220V 50Hz	245691
25A	1P	-	AC 220V 60Hz	NCK3-25 220V 60Hz	245692
25A	1P	-	AC 230V 50/60Hz	NCK3-25 230V 50/60Hz	245693
25A	1P	-	AC 230V 50Hz	NCK3-25 230V 50Hz	245694
25A	1P	-	AC 230V 60Hz	NCK3-25 230V 60Hz	245695
25A	1P	-	AC 240V 50/60Hz	NCK3-25 240V 50/60Hz	245696
25A	1P	-	AC 240V 50Hz	NCK3-25 240V 50Hz	245697
25A	1P	-	AC 240V 60Hz	NCK3-25 240V 60Hz	245698
25A	1P	-	AC 380V 50/60Hz	NCK3-25 380V 50/60Hz	245699
25A	1P	-	AC 380V 50Hz	NCK3-25 380V 50Hz	245700

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	1P	1NC	AC 110V 50/60Hz	NCK3-25/101 110V 50/60Hz	245187
25A	1P	1NC	AC 110V 50Hz	NCK3-25/101 110V 50Hz	245188
25A	1P	1NC	AC 110V 60Hz	NCK3-25/101 110V 60Hz	245189
25A	1P	1NC	AC 120V 50/60Hz	NCK3-25/101 120V 50/60Hz	245190
25A	1P	1NC	AC 120V 50Hz	NCK3-25/101 120V 50Hz	245191
25A	1P	1NC	AC 120V 60Hz	NCK3-25/101 120V 60Hz	245192
25A	1P	1NC	AC 127V 50/60Hz	NCK3-25/101 127V 50/60Hz	245193
25A	1P	1NC	AC 220V 50/60Hz	NCK3-25/101 220V 50/60Hz	245196
25A	1P	1NC	AC 220V 50Hz	NCK3-25/101 220V 50Hz	245197
25A	1P	1NC	AC 220V 60Hz	NCK3-25/101 220V 60Hz	245198
25A	1P	1NC	AC 230V 50/60Hz	NCK3-25/101 230V 50/60Hz	245199
25A	1P	1NC	AC 230V 50Hz	NCK3-25/101 230V 50Hz	245200
25A	1P	1NC	AC 230V 60Hz	NCK3-25/101 230V 60Hz	245201
25A	1P	1NC	AC 240V 50/60Hz	NCK3-25/101 240V 50/60Hz	245202
25A	1P	1NC	AC 240V 50Hz	NCK3-25/101 240V 50Hz	245203
25A	1P	1NC	AC 240V 60Hz	NCK3-25/101 240V 60Hz	245204
25A	1P	1NC	AC 24V 50/60Hz	NCK3-25/101 24V 50/60Hz	245205
25A	1P	1NC	AC 24V 50Hz	NCK3-25/101 24V 50Hz	245206
25A	1P	1NC	AC 24V 60Hz	NCK3-25/101 24V 60Hz	245207
25A	1P	1NC	AC 380V 50/60Hz	NCK3-25/101 380V 50/60Hz	245211
25A	1P	1NC	AC 380V 50Hz	NCK3-25/101 380V 50Hz	245212
25A	2P	-	AC 110V 50/60Hz	NCK3-25/2 110V 50/60Hz	245229
25A	2P	-	AC 110V 50Hz	NCK3-25/2 110V 50Hz	245230
25A	2P	-	AC 110V 60Hz	NCK3-25/2 110V 60Hz	245231
25A	2P	-	AC 120V 50/60Hz	NCK3-25/2 120V 50/60Hz	245232
25A	2P	-	AC 120V 50Hz	NCK3-25/2 120V 50Hz	245233
25A	2P	-	AC 120V 60Hz	NCK3-25/2 120V 60Hz	245234
25A	2P	-	AC 127V 50/60Hz	NCK3-25/2 127V 50/60Hz	245235
25A	2P	-	AC 220V 50/60Hz	NCK3-25/2 220V 50/60Hz	245238
25A	2P	-	AC 220V 50Hz	NCK3-25/2 220V 50Hz	245239
25A	2P	-	AC 220V 60Hz	NCK3-25/2 220V 60Hz	245240
25A	2P	-	AC 230V 50/60Hz	NCK3-25/2 230V 50/60Hz	245241
25A	2P	-	AC 230V 50Hz	NCK3-25/2 230V 50Hz	245242
25A	2P	-	AC 230V 60Hz	NCK3-25/2 230V 60Hz	245243
25A	2P	-	AC 240V 50/60Hz	NCK3-25/2 240V 50/60Hz	245244
25A	2P	-	AC 240V 50Hz	NCK3-25/2 240V 50Hz	245245
25A	2P	-	AC 240V 60Hz	NCK3-25/2 240V 60Hz	245246
25A	2P	-	AC 24V 50/60Hz	NCK3-25/2 24V 50/60Hz	245247
25A	2P	-	AC 24V 50Hz	NCK3-25/2 24V 50Hz	245248
25A	2P	-	AC 24V 60Hz	NCK3-25/2 24V 60Hz	245249
25A	2P	-	AC 380V 50/60Hz	NCK3-25/2 380V 50/60Hz	245253
25A	2P	-	AC 380V 50Hz	NCK3-25/2 380V 50Hz	245254

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
30A	2P	-	AC 110V 50/60Hz	NCK3-30/2 110V 50/60Hz	245271
30A	2P	-	AC 220V 50/60Hz	NCK3-30/2 220V 50/60Hz	245272
30A	2P	-	AC 24V 50/60Hz	NCK3-30/2 24V 50/60Hz	245273
30A	2P	-	AC 24V 60Hz	NCK3-30/2 24V 60Hz	245594
30A	2P	-	AC 230V 50/60Hz	NCK3-30/2 230V 50/60Hz	246371
30A	2P	-	AC 240V 50/60Hz	NCK3-30/2 240V 50/60Hz	246814

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	1P	-	AC 110V 50/60Hz	NCK3-32/1 110V 50/60Hz	245274
32A	1P	-	AC 110V 50Hz	NCK3-32/1 110V 50Hz	245275
32A	1P	-	AC 110V 60Hz	NCK3-32/1 110V 60Hz	245276
32A	1P	-	AC 120V 50/60Hz	NCK3-32/1 120V 50/60Hz	245277
32A	1P	-	AC 120V 50Hz	NCK3-32/1 120V 50Hz	245278
32A	1P	-	AC 120V 60Hz	NCK3-32/1 120V 60Hz	245279
32A	1P	-	AC 127V 50/60Hz	NCK3-32/1 127V 50/60Hz	245280
32A	1P	-	AC 220V 50/60Hz	NCK3-32/1 220V 50/60Hz	245283
32A	1P	-	AC 220V 50Hz	NCK3-32/1 220V 50Hz	245284
32A	1P	-	AC 220V 60Hz	NCK3-32/1 220V 60Hz	245285
32A	1P	-	AC 230V 50/60Hz	NCK3-32/1 230V 50/60Hz	245286
32A	1P	-	AC 230V 50Hz	NCK3-32/1 230V 50Hz	245287
32A	1P	-	AC 230V 60Hz	NCK3-32/1 230V 60Hz	245288
32A	1P	-	AC 240V 50/60Hz	NCK3-32/1 240V 50/60Hz	245289
32A	1P	-	AC 240V 50Hz	NCK3-32/1 240V 50Hz	245290
32A	1P	-	AC 240V 60Hz	NCK3-32/1 240V 60Hz	245291
32A	1P	-	AC 24V 50/60Hz	NCK3-32/1 24V 50/60Hz	245292
32A	1P	-	AC 24V 50Hz	NCK3-32/1 24V 50Hz	245293
32A	1P	-	AC 24V 60Hz	NCK3-32/1 24V 60Hz	245294
32A	1P	-	AC 380V 50/60Hz	NCK3-32/1 380V 50/60Hz	245298
32A	1P	-	AC 380V 50Hz	NCK3-32/1 380V 50Hz	245299
32A	1P	-	AC 110V 50/60Hz	NCK3-32/2 110V 50/60Hz	245361
32A	1P	1NC	AC 110V 50/60Hz	NCK3-32/101 110V 50/60Hz	245319
32A	1P	1NC	AC 110V 50Hz	NCK3-32/101 110V 50Hz	245320
32A	1P	1NC	AC 110V 60Hz	NCK3-32/101 110V 60Hz	245321
32A	1P	1NC	AC 120V 50/60Hz	NCK3-32/101 120V 50/60Hz	245322
32A	1P	1NC	AC 120V 50Hz	NCK3-32/101 120V 50Hz	245323
32A	1P	1NC	AC 120V 60Hz	NCK3-32/101 120V 60Hz	245324
32A	1P	1NC	AC 127V 50/60Hz	NCK3-32/101 127V 50/60Hz	245325
32A	1P	1NC	AC 220V 50/60Hz	NCK3-32/101 220V 50/60Hz	245328
32A	1P	1NC	AC 220V 50Hz	NCK3-32/101 220V 50Hz	245329
32A	1P	1NC	AC 220V 60Hz	NCK3-32/101 220V 60Hz	245330
32A	1P	1NC	AC 230V 50/60Hz	NCK3-32/101 230V 50/60Hz	245331
32A	1P	1NC	AC 230V 50Hz	NCK3-32/101 230V 50Hz	245332
32A	1P	1NC	AC 230V 60Hz	NCK3-32/101 230V 60Hz	245333
32A	1P	1NC	AC 240V 50/60Hz	NCK3-32/101 240V 50/60Hz	245334
32A	1P	1NC	AC 240V 50Hz	NCK3-32/101 240V 50Hz	245335
32A	1P	1NC	AC 240V 60Hz	NCK3-32/101 240V 60Hz	245336
32A	1P	1NC	AC 24V 50/60Hz	NCK3-32/101 24V 50/60Hz	245337
32A	1P	1NC	AC 24V 50Hz	NCK3-32/101 24V 50Hz	245338
32A	1P	1NC	AC 24V 60Hz	NCK3-32/101 24V 60Hz	245339
32A	1P	1NC	AC 380V 50/60Hz	NCK3-32/101 380V 50/60Hz	245343
32A	1P	1NC	AC 380V 50Hz	NCK3-32/101 380V 50Hz	245344

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	1P	-	AC 24V 50/60Hz	NCK3-32 24V 50/60Hz	245573
32A	1P	-	AC 220V 50/60Hz	NCK3-32 220V 50/60Hz	245628
32A	1P	-	AC 24V 50Hz	NCK3-32 24V 50Hz	245711
32A	1P	-	AC 24V 60Hz	NCK3-32 24V 60Hz	245712
32A	1P	-	AC 110V 50/60Hz	NCK3-32 110V 50/60Hz	245719
32A	1P	-	AC 110V 50Hz	NCK3-32 110V 50Hz	245720
32A	1P	-	AC 110V 60Hz	NCK3-32 110V 60Hz	245721
32A	1P	-	AC 120V 50/60Hz	NCK3-32 120V 50/60Hz	245722
32A	1P	-	AC 120V 50Hz	NCK3-32 120V 50Hz	245723
32A	1P	-	AC 120V 60Hz	NCK3-32 120V 60Hz	245724
32A	1P	-	AC 127V 50/60Hz	NCK3-32 127V 50/60Hz	245725
32A	1P	-	AC 220V 50Hz	NCK3-32 220V 50Hz	245728
32A	1P	-	AC 220V 60Hz	NCK3-32 220V 60Hz	245729
32A	1P	-	AC 230V 50/60Hz	NCK3-32 230V 50/60Hz	245730
32A	1P	-	AC 230V 50Hz	NCK3-32 230V 50Hz	245731
32A	1P	-	AC 230V 60Hz	NCK3-32 230V 60Hz	245732
32A	1P	-	AC 240V 50/60Hz	NCK3-32 240V 50/60Hz	245733
32A	1P	-	AC 240V 50Hz	NCK3-32 240V 50Hz	245734
32A	1P	-	AC 240V 60Hz	NCK3-32 240V 60Hz	245735
32A	1P	-	AC 380V 50/60Hz	NCK3-32 380V 50/60Hz	245736
32A	1P	-	AC 380V 50Hz	NCK3-32 380V 50Hz	245737
32A	1P	-	AC 24V 50/60Hz	NCK3-32/1 24V 50/60Hz Screw DK	279038
32A	2P	-	AC 110V 50Hz	NCK3-32/2 110V 50Hz	245362
32A	2P	-	AC 110V 60Hz	NCK3-32/2 110V 60Hz	245363
32A	2P	-	AC 120V 50/60Hz	NCK3-32/2 120V 50/60Hz	245364
32A	2P	-	AC 120V 50Hz	NCK3-32/2 120V 50Hz	245365
32A	2P	-	AC 120V 60Hz	NCK3-32/2 120V 60Hz	245366
32A	2P	-	AC 127V 50/60Hz	NCK3-32/2 127V 50/60Hz	245367
32A	2P	-	AC 220V 50/60Hz	NCK3-32/2 220V 50/60Hz	245370
32A	2P	-	AC 220V 50Hz	NCK3-32/2 220V 50Hz	245371
32A	2P	-	AC 220V 60Hz	NCK3-32/2 220V 60Hz	245372
32A	2P	-	AC 230V 50/60Hz	NCK3-32/2 230V 50/60Hz	245373
32A	2P	-	AC 230V 50Hz	NCK3-32/2 230V 50Hz	245374
32A	2P	-	AC 230V 60Hz	NCK3-32/2 230V 60Hz	245375
32A	2P	-	AC 240V 50/60Hz	NCK3-32/2 240V 50/60Hz	245376
32A	2P	-	AC 240V 50Hz	NCK3-32/2 240V 50Hz	245377
32A	2P	-	AC 240V 60Hz	NCK3-32/2 240V 60Hz	245378
32A	2P	-	AC 24V 50/60Hz	NCK3-32/2 24V 50/60Hz	245379
32A	2P	-	AC 24V 50Hz	NCK3-32/2 24V 50Hz	245380
32A	2P	-	AC 24V 60Hz	NCK3-32/2 24V 60Hz	245381
32A	2P	-	AC 380V 50/60Hz	NCK3-32/2 380V 50/60Hz	245385
32A	2P	-	AC 380V 50Hz	NCK3-32/2 380V 50Hz	245386
32A	2P	-	AC 24V 50/60Hz	NCK3-32/2 24V 50/60Hz Screw Quad DK	246874
32A	3P	-	AC 24V 50/60Hz	NCK3-32/3 24V 50/60Hz Screw DK	246878

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	1P	-	AC 110V 50/60Hz	NCK3-40/1 110V 50/60Hz	245403
40A	1P	-	AC 110V 50Hz	NCK3-40/1 110V 50Hz	245404
40A	1P	-	AC 110V 60Hz	NCK3-40/1 110V 60Hz	245405
40A	1P	-	AC 120V 50/60Hz	NCK3-40/1 120V 50/60Hz	245406
40A	1P	-	AC 120V 50Hz	NCK3-40/1 120V 50Hz	245407
40A	1P	-	AC 120V 60Hz	NCK3-40/1 120V 60Hz	245408
40A	1P	-	AC 127V 50/60Hz	NCK3-40/1 127V 50/60Hz	245409
40A	1P	-	AC 220V 50/60Hz	NCK3-40/1 220V 50/60Hz	245412
40A	1P	-	AC 220V 50Hz	NCK3-40/1 220V 50Hz	245413
40A	1P	-	AC 220V 60Hz	NCK3-40/1 220V 60Hz	245414
40A	1P	-	AC 230V 50/60Hz	NCK3-40/1 230V 50/60Hz	245415
40A	1P	-	AC 230V 50Hz	NCK3-40/1 230V 50Hz	245416
40A	1P	-	AC 230V 60Hz	NCK3-40/1 230V 60Hz	245417
40A	1P	-	AC 240V 50/60Hz	NCK3-40/1 240V 50/60Hz	245418
40A	1P	-	AC 240V 50Hz	NCK3-40/1 240V 50Hz	245419
40A	1P	-	AC 240V 60Hz	NCK3-40/1 240V 60Hz	245420
40A	1P	-	AC 24V 50/60Hz	NCK3-40/1 24V 50/60Hz	245421
40A	1P	-	AC 24V 50Hz	NCK3-40/1 24V 50Hz	245422
40A	1P	-	AC 24V 60Hz	NCK3-40/1 24V 60Hz	245423
40A	1P	-	AC 380V 50/60Hz	NCK3-40/1 380V 50/60Hz	245427
40A	1P	-	AC 380V 50Hz	NCK3-40/1 380V 50Hz	245428
40A	1P	-	AC 110V 50/60Hz	NCK3-40 110V 50/60Hz	245532
40A	1P	-	AC 110V 50Hz	NCK3-40 110V 50Hz	245533
40A	1P	-	AC 110V 60Hz	NCK3-40 110V 60Hz	245534
40A	1P	-	AC 127V 50/60Hz	NCK3-40 127V 50/60Hz	245535
40A	1P	-	AC 220V 50/60Hz	NCK3-40 220V 50/60Hz	245538
40A	1P	-	AC 220V 50Hz	NCK3-40 220V 50Hz	245539
40A	1P	-	AC 220V 60Hz	NCK3-40 220V 60Hz	245540
40A	1P	-	AC 230V 50/60Hz	NCK3-40 230V 50/60Hz	245541
40A	1P	-	AC 230V 50Hz	NCK3-40 230V 50Hz	245542
40A	1P	-	AC 230V 60Hz	NCK3-40 230V 60Hz	245543
40A	1P	-	AC 240V 50/60Hz	NCK3-40 240V 50/60Hz	245544
40A	1P	-	AC 240V 50Hz	NCK3-40 240V 50Hz	245545
40A	1P	-	AC 240V 60Hz	NCK3-40 240V 60Hz	245546
40A	1P	-	AC 24V 50/60Hz	NCK3-40 24V 50/60Hz	245547
40A	1P	-	AC 24V 50Hz	NCK3-40 24V 50Hz	245548
40A	1P	-	AC 24V 60Hz	NCK3-40 24V 60Hz	245549
40A	1P	-	AC 380V 50/60Hz	NCK3-40 380V 50/60Hz	245553
40A	1P	-	AC 380V 50Hz	NCK3-40 380V 50Hz	245554
40A	1P	-	AC 230V 50/60Hz	NCK3-40/1 230V 50/60Hz Panasonic	292671

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	1P	1NC	AC 110V 50/60Hz	NCK3-40/101 110V 50/60Hz	245448
40A	1P	1NC	AC 110V 50Hz	NCK3-40/101 110V 50Hz	245449
40A	1P	1NC	AC 110V 60Hz	NCK3-40/101 110V 60Hz	245450
40A	1P	1NC	AC 120V 50/60Hz	NCK3-40/101 120V 50/60Hz	245451
40A	1P	1NC	AC 120V 50Hz	NCK3-40/101 120V 50Hz	245452
40A	1P	1NC	AC 120V 60Hz	NCK3-40/101 120V 60Hz	245453
40A	1P	1NC	AC 127V 50/60Hz	NCK3-40/101 127V 50/60Hz	245454
40A	1P	1NC	AC 220V 50/60Hz	NCK3-40/101 220V 50/60Hz	245457
40A	1P	1NC	AC 220V 50Hz	NCK3-40/101 220V 50Hz	245458
40A	1P	1NC	AC 220V 60Hz	NCK3-40/101 220V 60Hz	245459
40A	1P	1NC	AC 230V 50/60Hz	NCK3-40/101 230V 50/60Hz	245460
40A	1P	1NC	AC 230V 50Hz	NCK3-40/101 230V 50Hz	245461
40A	1P	1NC	AC 230V 60Hz	NCK3-40/101 230V 60Hz	245462
40A	1P	1NC	AC 240V 50/60Hz	NCK3-40/101 240V 50/60Hz	245463
40A	1P	1NC	AC 240V 50Hz	NCK3-40/101 240V 50Hz	245464
40A	1P	1NC	AC 240V 60Hz	NCK3-40/101 240V 60Hz	245465
40A	1P	1NC	AC 24V 50/60Hz	NCK3-40/101 24V 50/60Hz	245466
40A	1P	1NC	AC 24V 50Hz	NCK3-40/101 24V 50Hz	245467
40A	1P	1NC	AC 24V 60Hz	NCK3-40/101 24V 60Hz	245468
40A	1P	1NC	AC 380V 50/60Hz	NCK3-40/101 380V 50/60Hz	245472
40A	1P	1NC	AC 380V 50Hz	NCK3-40/101 380V 50Hz	245473
40A	2P	-	AC 110V 50/60Hz	NCK3-40/2 110V 50/60Hz	245490
40A	2P	-	AC 110V 50Hz	NCK3-40/2 110V 50Hz	245491
40A	2P	-	AC 110V 60Hz	NCK3-40/2 110V 60Hz	245492
40A	2P	-	AC 120V 50/60Hz	NCK3-40/2 120V 50/60Hz	245493
40A	2P	-	AC 120V 50Hz	NCK3-40/2 120V 50Hz	245494
40A	2P	-	AC 120V 60Hz	NCK3-40/2 120V 60Hz	245495
40A	2P	-	AC 127V 50/60Hz	NCK3-40/2 127V 50/60Hz	245496
40A	2P	-	AC 220V 50/60Hz	NCK3-40/2 220V 50/60Hz	245499
40A	2P	-	AC 220V 50Hz	NCK3-40/2 220V 50Hz	245500
40A	2P	-	AC 220V 60Hz	NCK3-40/2 220V 60Hz	245501
40A	2P	-	AC 230V 50/60Hz	NCK3-40/2 230V 50/60Hz	245502
40A	2P	-	AC 230V 50Hz	NCK3-40/2 230V 50Hz	245503
40A	2P	-	AC 230V 60Hz	NCK3-40/2 230V 60Hz	245504
40A	2P	-	AC 240V 50/60Hz	NCK3-40/2 240V 50/60Hz	245505
40A	2P	-	AC 240V 50Hz	NCK3-40/2 240V 50Hz	245506
40A	2P	-	AC 240V 60Hz	NCK3-40/2 240V 60Hz	245507
40A	2P	-	AC 24V 50/60Hz	NCK3-40/2 24V 50/60Hz	245508
40A	2P	-	AC 24V 50Hz	NCK3-40/2 24V 50Hz	245509
40A	2P	-	AC 24V 60Hz	NCK3-40/2 24V 60Hz	245510
40A	2P	-	AC 380V 50/60Hz	NCK3-40/2 380V 50/60Hz	245514
40A	2P	-	AC 380V 50Hz	NCK3-40/2 380V 50Hz	245515

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
50A	3P	-	AC 440V 50/60Hz	NCK3-50/3 440V 50/60Hz	515504
50A	3P	-	AC 600V 50/60Hz	NCK3-50/3 600V 50/60Hz	515505
60A	3P	-	AC 440V 50/60Hz	NCK3-60/3 440V 50/60Hz	515506
60A	3P	-	AC 600V 50/60Hz	NCK3-60/3 600V 50/60Hz	515507
75A	3P	-	AC 600V 50/60Hz	NCK3-75/3 600V 50/60Hz	515508
90A	3P	-	AC 600V 50/60Hz	NCK3-90/3 600V 50/60Hz	515509



NCK5 Series Definite Purpose Contactors

1. Overview

1.1 Product certification: UL, CSA CE
1.2 Application: HVACR
1.3 Usage category: AC-1, AC-8a
1.4 Rated insulation voltage Ui: 630V
1.5 Applicable standard: UL/CSA 60947-4-1 IEC/EN 20947-4-1
1.6 Normal operating conditions:
Ambient air temperature: -5℃ ~+40℃
Pollution degree: 2.
Altitude: ≤2000m
Mounting angle: The inclination between the mounting surface and vertical plane cannot exceed ±5°.
1.7 IP00

2. Type Designation

N C K 5 - □/□ □ □

- Main load terminal Denoted by L and S, L indicates the box lug, S indicates the screw
- Denoted by letter T, T indicates two quick- plug terminals and F indicates four quick-plug terminals, omitted when the single housing has only one terminal (e.g. 3P, 4P). 1N represents 1 pole ,2N represents 2 poles, 3 represents 3 poles,4 represents 4 poles, 1N represents 1 pole ,2N represents 2 poles, 3
- represents 3 poles,4 represents 4 poles,
- Rated current (AC-8a)
- Design serial number
- For HVACR application
- AC contactor
- Enterprise feature code

3. Product features

3.1 The coil is closed.
3.2 The range of coil voltage is complete, including 24V-480V. A wide range covering 208V-240V is available for user selection.
3.3 3 Poles、4 poles: The coil connection can be up or down, with 2 quick-plug connections, 1 quick-plug + screwed connection for user selection.
3.4 3 Poles、4 poles: The main circuit has diverse wiring modes: combined screw, box lug and two quick-plug combinations.
3.5 1 pole、2 pole: The main circuit has diverse wiring modes combined screw, box lug and two quick-plug or four quick-plug combination.

4. Technical data

4.1.1 Technical parameters of single two-pole main circuit

Model	Definite purpose Rating							HP ratings(single phase)	
	FLAL			RES	RA			120V	240V
	240/277W	480V	600V		240/277V	480V	600V		
NCK5-20/1N-25/1N NCK5-20/2N-25/2N	25	25	25	35	150	125	100	1 2	2 3
NCK5-30/1N-32/1N NCK5-30/2N-32/2N	32	32	32	40	200	150	120	1 2	2 3
NCK5-40/1N NCK5-40/2N	40	40	40	50	240	200	160	2	3

4.1.2 Technical parameters of 3 poles、4 poles main circuit

Model	Definite purpose rating(Threephase)							HP ratings		
	FLAL			RES	RA			Voltage	Single phase	Three phase
	240/277W	480V	600V		240/277V	480V	600V			
NCK5-20/3 NCK5-20/3	25	25	25	35	150	125	100	120	2	/
								240/277	5	10
								480	/	15
								600	/	20
NCK5-25/3 NCK5-25/3	25	25	25	35	150	125	100	120	2	/
								240/277	5	10
								480	/	15
								600	/	20
NCK5-30/3 NCK5-30/3	32	32	32	40	200	150	120	120	2	/
								240/277	5	10
								480	/	15
								600	/	20
NCK5-32/3 NCK5-32/3	32	32	32	40	200	150	120	120	2	/
								240/277	5	10
								480	/	15
								600	/	20
NCK5-40/3 NCK5-40/3	40	40	40	50	240	200	160	120	3	/
								240/277	7.5	10
								480	/	20
								600	/	25

4.2 Technical Parameters of Coil

Type		NCK5-20/1N~40/1N	NCK5-20/2N~40/2N	NCK5-20/3~40/3 NCK5-20/3~40/4
Coil power consumption	IN-rush(VA)	45	55	62
	Sealed(VA)	10	13	9
Operating range	Pull-in voltage	(85%~110%)Us		
	Release voltage	(20~65%)Us		
Coil voltage	(1 poles、2 poles:AC50 or 60Hz;3poles、4poles:AC50/60H) 24V, 36V, 48V, 110V 120V, 220V 208 ~ 240V, 277V 440V480V			

4.3 Technical Parameters of 3 poles and 4poles Auxiliary Module (Side-mounted)

1NC+1NO auxiliary module (NCF8-11)

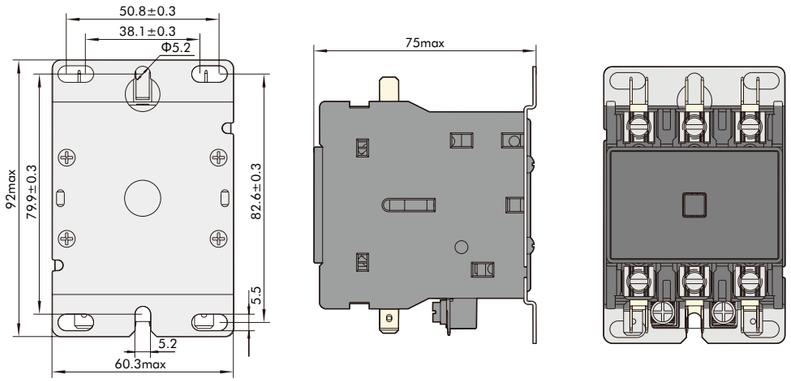
Usage category	Rated insulation voltage(V)	Agreed free air heating current(A)	Rated operating voltage(V)	Rated operating current	Control capacity
AC-15	690	10	380/400	0.95	360VA
DC-13	690	10	220/230	0.15	33W

5. Wiring

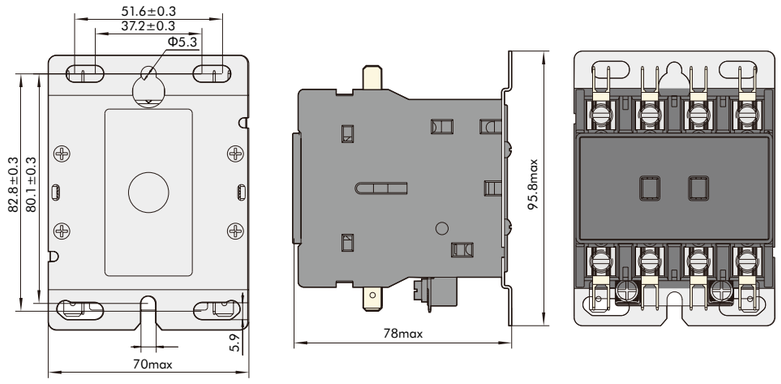
Model	Connecting wire(mm2)		Tightening torque(N.m)				
	Single core hard wire	Stranded flexible wire	Coil		Main circuit		
				torque(N.m)			torque(N.m)
NCK5-20/1N-25/1N NCK5-20/2N-25/2N	2.5~6	2.5~4	-	-	M8	M5	2.0
NCK5-30/1N-32/1N NCK5-30/2N-32/2N	4~10	2.5~6	-	-	M8	M5	2.0
NCK5-40/1N NCK5-40/2N	4~10	2.5~6	-	-	M8	M5	2.0
NCK5-20/3-25/3 NCK5-20/4-25/4	2.5~6	2.5~4	M4	1.2	M8	M5	2.0
NCK5-30/3-32/3 NCK5-30/4-32/4	4~10	2.5~6	M4	1.2	M8	M5	2.0
NCK5-40/3 NCK5-40/3	4~10	2.5~6	M4	1.2	M8	M5	2.0

6. Overall and installation dimensions

NCK5-20/3~40/3

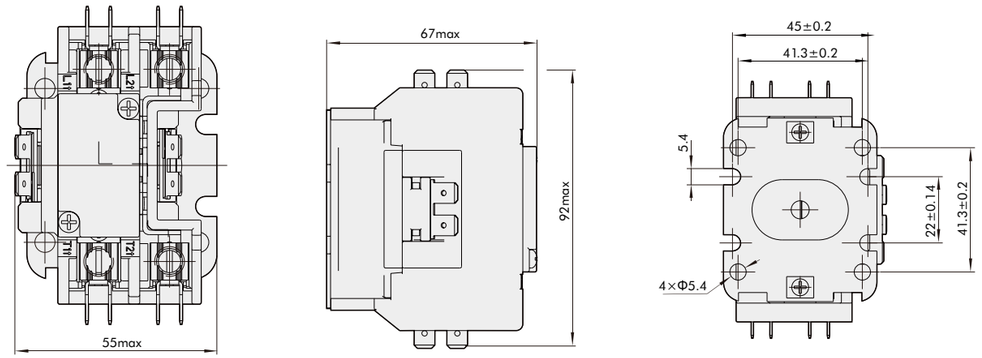


NCK5-20/4~40/4

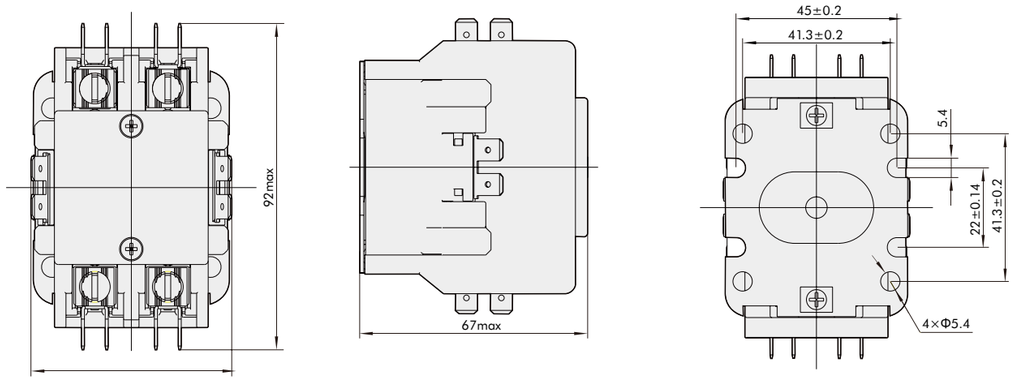


6.1 Overall and mounting dimensions of single two-pole product

NCK5-20/IN-40/IN



NCK5-20/2N-40/2N



NCK5	-	20	/	1N	F	S	220V~240V	50Hz
Product Series		**Rated Current (AC-8a)**		**Main Contact**	**Terminal Type**	**Additional Terminal for Main Contact**	**Control Voltage**	**Frequency**
		20: 20A 30: 30A 40: 40A		1N: 1NO 2N: 2NO 3: 3NO 4: 4NO	Blank: 2 quick-plug terminals (3P and 4P) T: 2 quick-plug terminals (1P and 2P) F: 4 quick-plug terminals (1P and 2P)	S: screw terminal L: box lug terminal	24V: AC24V 120v: AC120V 208~240V: AC208~240V 220V: AC220V 277V: AC277V 440V: AC440V 480V: AC480V 600V: AC600V	50Hz 60Hz 50/60Hz

NCK5 Contactor 20~40A

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	1P	-	AC 24V 50Hz	NCK5-20/1NFL 24V 50Hz	195919
20A	1P	-	AC 120V 50Hz	NCK5-20/1NFL 120V 50Hz	195920
20A	1P	-	AC 208V~240V 50Hz	NCK5-20/1NFL 208V~240V 50Hz	195921
20A	1P	-	AC 24V 60Hz	NCK5-20/1NFL 24V 60Hz	195979
20A	1P	-	AC 120V 60Hz	NCK5-20/1NFL 120V 60Hz	195980
20A	1P	-	AC 208V~240V 60Hz	NCK5-20/1NFL 208V~240V 60Hz	195981
20A	1P	-	AC 24V 60Hz	NCK5-20/1NTL 24V 60Hz	202583
20A	1P	-	AC 120V 60Hz	NCK5-20/1NTL 120V 60Hz	202584
20A	1P	-	AC 208V~240V 60Hz	NCK5-20/1NTL 208V~240V 60Hz	202585
20A	1P	-	AC 277V 60Hz	NCK5-20/1NTL 277V 60Hz	202586
20A	1P	-	AC 277V 60Hz	NCK5-20/1NFL 277V 60Hz	202623
20A	1P	-	AC 24V 50Hz	NCK5-20/1NTL 24V 50Hz	202683
20A	1P	-	AC 120V 50Hz	NCK5-20/1NTL 120V 50Hz	202684
20A	1P	-	AC 208V~240V 50Hz	NCK5-20/1NTL 208V~240V 50Hz	202685
20A	1P	-	AC 277V 50Hz	NCK5-20/1NTL 277V 50Hz	202686
20A	1P	-	AC 440V 50Hz	NCK5-20/1NTL 440V 50Hz	202687
20A	1P	-	AC 480V 50Hz	NCK5-20/1NTL 480V 50Hz	202688
20A	1P	-	AC 440V 60Hz	NCK5-20/1NTL 440V 60Hz	202743
20A	1P	-	AC 480V 60Hz	NCK5-20/1NTL 480V 60Hz	202744
20A	1P	-	AC 277V 50Hz	NCK5-20/1NFL 277V 50Hz	202763
20A	1P	-	AC 440V 50Hz	NCK5-20/1NFL 440V 50Hz	202773
20A	1P	-	AC 480V 50Hz	NCK5-20/1NFL 480V 50Hz	202783
20A	1P	-	AC 440V 60Hz	NCK5-20/1NFL 440V 60Hz	202793
20A	1P	-	AC 480V 60Hz	NCK5-20/1NFL 480V 60Hz	202803
20A	1P	-	AC 24V 50Hz	NCK5-20/1NFS 24V 50Hz	195934
20A	1P	-	AC 120V 50Hz	NCK5-20/1NFS 120V 50Hz	195935
20A	1P	-	AC 208V~240V 50Hz	NCK5-20/1NFS 208V~240V 50Hz	195936
20A	1P	-	AC 24V 60Hz	NCK5-20/1NFS 24V 60Hz	195994
20A	1P	-	AC 120V 60Hz	NCK5-20/1NFS 120V 60Hz	195995
20A	1P	-	AC 208V~240V 60Hz	NCK5-20/1NFS 208V~240V 60Hz	195996
20A	1P	-	AC 24V 60Hz	NCK5-20/1NTS 24V 60Hz	202603
20A	1P	-	AC 120V 60Hz	NCK5-20/1NTS 120V 60Hz	202604
20A	1P	-	AC 208V~240V 60Hz	NCK5-20/1NTS 208V~240V 60Hz	202605
20A	1P	-	AC 277V 60Hz	NCK5-20/1NTS 277V 60Hz	202606

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	1P	-	AC 277V 60Hz	NCK5-20/1NFS 277V 60Hz	202628
20A	1P	-	AC 24V 50Hz	NCK5-20/1NTS 24V 50Hz	202713
20A	1P	-	AC 120V 50Hz	NCK5-20/1NTS 120V 50Hz	202714
20A	1P	-	AC 208V~240V 50Hz	NCK5-20/1NTS 208V~240V 50Hz	202715
20A	1P	-	AC 277V 50Hz	NCK5-20/1NTS 277V 50Hz	202716
20A	1P	-	AC 440V 50Hz	NCK5-20/1NTS 440V 50Hz	202717
20A	1P	-	AC 480V 50Hz	NCK5-20/1NTS 480V 50Hz	202718
20A	1P	-	AC 440V 60Hz	NCK5-20/1NTS 440V 60Hz	202753
20A	1P	-	AC 480V 60Hz	NCK5-20/1NTS 480V 60Hz	202754
20A	1P	-	AC 277V 50Hz	NCK5-20/1NFS 277V 50Hz	202768
20A	1P	-	AC 440V 50Hz	NCK5-20/1NFS 440V 50Hz	202778
20A	1P	-	AC 480V 50Hz	NCK5-20/1NFS 480V 50Hz	202788
20A	1P	-	AC 440V 60Hz	NCK5-20/1NFS 440V 60Hz	202798
20A	1P	-	AC 480V 60Hz	NCK5-20/1NFS 480V 60Hz	202808
20A	2P	-	AC 24V 50Hz	NCK5-20/2NFL 24V 50Hz	195949
20A	2P	-	AC 120V 50Hz	NCK5-20/2NFL 120V 50Hz	195950
20A	2P	-	AC 208V~240V 50Hz	NCK5-20/2NFL 208V~240V 50Hz	195951
20A	2P	-	AC 24V 60Hz	NCK5-20/2NFL 24V 60Hz	198954
20A	2P	-	AC 120V 60Hz	NCK5-20/2NFL 120V 60Hz	198955
20A	2P	-	AC 208V~240V 60Hz	NCK5-20/2NFL 208V~240V 60Hz	198956
20A	2P	-	AC 24V 60Hz	NCK5-20/2NTL 24V 60Hz	202633
20A	2P	-	AC 120V 60Hz	NCK5-20/2NTL 120V 60Hz	202634
20A	2P	-	AC 208V~240V 60Hz	NCK5-20/2NTL 208V~240V 60Hz	202635
20A	2P	-	AC 277V 60Hz	NCK5-20/2NTL 277V 60Hz	202636
20A	2P	-	AC 277V 60Hz	NCK5-20/2NFL 277V 60Hz	202673
20A	2P	-	AC 24V 50Hz	NCK5-20/2NTL 24V 50Hz	202813
20A	2P	-	AC 120V 50Hz	NCK5-20/2NTL 120V 50Hz	202814
20A	2P	-	AC 208V~240V 50Hz	NCK5-20/2NTL 208V~240V 50Hz	202815
20A	2P	-	AC 277V 50Hz	NCK5-20/2NTL 277V 50Hz	202816
20A	2P	-	AC 440V 50Hz	NCK5-20/2NTL 440V 50Hz	202817
20A	2P	-	AC 480V 50Hz	NCK5-20/2NTL 480V 50Hz	202818
20A	2P	-	AC 440V 60Hz	NCK5-20/2NTL 440V 60Hz	202873
20A	2P	-	AC 480V 60Hz	NCK5-20/2NTL 480V 60Hz	202874
20A	2P	-	AC 277V 50Hz	NCK5-20/2NFL 277V 50Hz	202893

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	2P	-	AC 440V 50Hz	NCK5-20/2NFL 440V 50Hz	202903
20A	2P	-	AC 480V 50Hz	NCK5-20/2NFL 480V 50Hz	202913
20A	2P	-	AC 440V 60Hz	NCK5-20/2NFL 440V 60Hz	202923
20A	2P	-	AC 480V 60Hz	NCK5-20/2NFL 480V 60Hz	202933
20A	2P	-	AC 24V 50Hz	NCK5-20/2NFS 24V 50Hz	195964
20A	2P	-	AC 120V 50Hz	NCK5-20/2NFS 120V 50Hz	195965
20A	2P	-	AC 208V~240V 50Hz	NCK5-20/2NFS 208V~240V 50Hz	195966
20A	2P	-	AC 24V 60Hz	NCK5-20/2NFS 24V 60Hz	198969
20A	2P	-	AC 120V 60Hz	NCK5-20/2NFS 120V 60Hz	198970
20A	2P	-	AC 208V~240V 60Hz	NCK5-20/2NFS 208V~240V 60Hz	198971
20A	2P	-	AC 24V 60Hz	NCK5-20/2NTS 24V 60Hz	202653
20A	2P	-	AC 120V 60Hz	NCK5-20/2NTS 120V 60Hz	202654
20A	2P	-	AC 208V~240V 60Hz	NCK5-20/2NTS 208V~240V 60Hz	202655
20A	2P	-	AC 277V 60Hz	NCK5-20/2NTS 277V 60Hz	202656
20A	2P	-	AC 277V 60Hz	NCK5-20/2NFS 277V 60Hz	202678
20A	2P	-	AC 24V 50Hz	NCK5-20/2NTS 24V 50Hz	202843
20A	2P	-	AC 120V 50Hz	NCK5-20/2NTS 120V 50Hz	202844
20A	2P	-	AC 208V~240V 50Hz	NCK5-20/2NTS 208V~240V 50Hz	202845
20A	2P	-	AC 277V 50Hz	NCK5-20/2NTS 277V 50Hz	202846
20A	2P	-	AC 440V 50Hz	NCK5-20/2NTS 440V 50Hz	202847
20A	2P	-	AC 480V 50Hz	NCK5-20/2NTS 480V 50Hz	202848
20A	2P	-	AC 440V 60Hz	NCK5-20/2NTS 440V 60Hz	202883
20A	2P	-	AC 480V 60Hz	NCK5-20/2NTS 480V 60Hz	202884
20A	2P	-	AC 277V 50Hz	NCK5-20/2NFS 277V 50Hz	202898
20A	2P	-	AC 440V 50Hz	NCK5-20/2NFS 440V 50Hz	202908
20A	2P	-	AC 480V 50Hz	NCK5-20/2NFS 480V 50Hz	202918
20A	2P	-	AC 440V 60Hz	NCK5-20/2NFS 440V 60Hz	202928
20A	2P	-	AC 480V 60Hz	NCK5-20/2NFS 480V 60Hz	202938
20A	3P	-	AC 24V 50/60Hz	NCK5-20/3L 24V 50/60Hz	262983
20A	3P	-	AC 120V 50/60Hz	NCK5-20/3L 120V 50/60Hz	262993
20A	3P	-	AC 220V 50/60Hz	NCK5-20/3L 220V 50/60Hz	263009
20A	3P	-	AC 208V~240V 50/60Hz	NCK5-20/3L 208V~240V 50/60Hz	263019
20A	3P	-	AC 277V 50/60Hz	NCK5-20/3L 277V 50/60Hz	516820
20A	3P	-	AC 440V 50/60Hz	NCK5-20/3L 440V 50/60Hz	516821

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	3P	-	AC 480V 50/60Hz	NCK5-20/3L 480V 50/60Hz	516822
20A	3P	-	AC 600V 50/60Hz	NCK5-20/3L 600V 50/60Hz	516823
20A	3P	-	AC 24V 50/60Hz	NCK5-20/3S 24V 50/60Hz	262988
20A	3P	-	AC 120V 50/60Hz	NCK5-20/3S 120V 50/60Hz	262998
20A	3P	-	AC 220V 50/60Hz	NCK5-20/3S 220V 50/60Hz	263014
20A	3P	-	AC 208V ~ 240V 50/60Hz	NCK5-20/3S 208V ~ 240V 50/60Hz	263024
20A	3P	-	AC 277V 50/60Hz	NCK5-20/3S 277V 50/60Hz	516824
20A	3P	-	AC 440V 50/60Hz	NCK5-20/3S 440V 50/60Hz	516825
20A	3P	-	AC 480V 50/60Hz	NCK5-20/3S 480V 50/60Hz	516826
20A	3P	-	AC 600V 50/60Hz	NCK5-20/3S 600V 50/60Hz	516827
20A	4P	-	AC 24V 50/60Hz	NCK5-20/4L 24V 50/60Hz	263029
20A	4P	-	AC 120V 50/60Hz	NCK5-20/4L 120V 50/60Hz	263039
20A	4P	-	AC 220V 50/60Hz	NCK5-20/4L 220V 50/60Hz	263049
20A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-20/4L 208V ~ 240V 50/60Hz	263059
20A	4P	-	AC 277V 50/60Hz	NCK5-20/4L 277V 50/60Hz	516860
20A	4P	-	AC 440V 50/60Hz	NCK5-20/4L 440V 50/60Hz	516861
20A	4P	-	AC 480V 50/60Hz	NCK5-20/4L 480V 50/60Hz	516862
20A	4P	-	AC 600V 50/60Hz	NCK5-20/4L 600V 50/60Hz	516863
20A	4P	-	AC 24V 50/60Hz	NCK5-20/4S 24V 50/60Hz	263034
20A	4P	-	AC 120V 50/60Hz	NCK5-20/4S 120V 50/60Hz	263044
20A	4P	-	AC 220V 50/60Hz	NCK5-20/4S 220V 50/60Hz	263054
20A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-20/4S 208V ~ 240V 50/60Hz	263064
20A	4P	-	AC 277V 50/60Hz	NCK5-20/4S 277V 50/60Hz	516864
20A	4P	-	AC 440V 50/60Hz	NCK5-20/4S 440V 50/60Hz	516865
20A	4P	-	AC 480V 50/60Hz	NCK5-20/4S 480V 50/60Hz	516866
20A	4P	-	AC 600V 50/60Hz	NCK5-20/4S 600V 50/60Hz	516867
25A	1P	-	AC 24V 50Hz	NCK5-25/1NFL 24V 50Hz	195922
25A	1P	-	AC 120V 50Hz	NCK5-25/1NFL 120V 50Hz	195923
25A	1P	-	AC 208V ~ 240V 50Hz	NCK5-25/1NFL 208V ~ 240V 50Hz	195924
25A	1P	-	AC 24V 60Hz	NCK5-25/1NFL 24V 60Hz	195982
25A	1P	-	AC 120V 60Hz	NCK5-25/1NFL 120V 60Hz	195983
25A	1P	-	AC 208V ~ 240V 60Hz	NCK5-25/1NFL 208V ~ 240V 60Hz	195984
25A	1P	-	AC 24V 60Hz	NCK5-25/1NTL 24V 60Hz	202587
25A	1P	-	AC 120V 60Hz	NCK5-25/1NTL 120V 60Hz	202588

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	1P	-	AC 208V ~ 240V 60Hz	NCK5-25/1NTL 208V ~ 240V 60Hz	202589
25A	1P	-	AC 277V 60Hz	NCK5-25/1NTL 277V 60Hz	202590
25A	1P	-	AC 277V 60Hz	NCK5-25/1NFL 277V 60Hz	202624
25A	1P	-	AC 24V 50Hz	NCK5-25/1NTL 24V 50Hz	202689
25A	1P	-	AC 120V 50Hz	NCK5-25/1NTL 120V 50Hz	202690
25A	1P	-	AC 208V ~ 240V 50Hz	NCK5-25/1NTL 208V ~ 240V 50Hz	202691
25A	1P	-	AC 277V 50Hz	NCK5-25/1NTL 277V 50Hz	202692
25A	1P	-	AC 440V 50Hz	NCK5-25/1NTL 440V 50Hz	202693
25A	1P	-	AC 480V 50Hz	NCK5-25/1NTL 480V 50Hz	202694
25A	1P	-	AC 440V 60Hz	NCK5-25/1NTL 440V 60Hz	202745
25A	1P	-	AC 480V 60Hz	NCK5-25/1NTL 480V 60Hz	202746
25A	1P	-	AC 277V 50Hz	NCK5-25/1NFL 277V 50Hz	202764
25A	1P	-	AC 440V 50Hz	NCK5-25/1NFL 440V 50Hz	202774
25A	1P	-	AC 480V 50Hz	NCK5-25/1NFL 480V 50Hz	202784
25A	1P	-	AC 440V 60Hz	NCK5-25/1NFL 440V 60Hz	202794
25A	1P	-	AC 480V 60Hz	NCK5-25/1NFL 480V 60Hz	202804
25A	1P	-	AC 230V 50/60Hz	NCK5-25/1 230V 50/60Hz	295650
25A	1P	-	AC 24V 50Hz	NCK5-25/1NFS 24V 50Hz	195937
25A	1P	-	AC 120V 50Hz	NCK5-25/1NFS 120V 50Hz	195938
25A	1P	-	AC 208V ~ 240V 50Hz	NCK5-25/1NFS 208V ~ 240V 50Hz	195939
25A	1P	-	AC 24V 60Hz	NCK5-25/1NFS 24V 60Hz	195997
25A	1P	-	AC 120V 60Hz	NCK5-25/1NFS 120V 60Hz	198943
25A	1P	-	AC 208V ~ 240V 60Hz	NCK5-25/1NFS 208V ~ 240V 60Hz	198944
25A	1P	-	AC 24V 60Hz	NCK5-25/1NTS 24V 60Hz	202607
25A	1P	-	AC 120V 60Hz	NCK5-25/1NTS 120V 60Hz	202608
25A	1P	-	AC 208V ~ 240V 60Hz	NCK5-25/1NTS 208V ~ 240V 60Hz	202609
25A	1P	-	AC 277V 60Hz	NCK5-25/1NTS 277V 60Hz	202610
25A	1P	-	AC 277V 60Hz	NCK5-25/1NFS 277V 60Hz	202629
25A	1P	-	AC 24V 50Hz	NCK5-25/1NTS 24V 50Hz	202719
25A	1P	-	AC 120V 50Hz	NCK5-25/1NTS 120V 50Hz	202720
25A	1P	-	AC 208V ~ 240V 50Hz	NCK5-25/1NTS 208V ~ 240V 50Hz	202721
25A	1P	-	AC 277V 50Hz	NCK5-25/1NTS 277V 50Hz	202722
25A	1P	-	AC 440V 50Hz	NCK5-25/1NTS 440V 50Hz	202723
25A	1P	-	AC 480V 50Hz	NCK5-25/1NTS 480V 50Hz	202724

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	1P	-	AC 440V 60Hz	NCK5-25/1NTS 440V 60Hz	202755
25A	1P	-	AC 480V 60Hz	NCK5-25/1NTS 480V 60Hz	202756
25A	1P	-	AC 277V 50Hz	NCK5-25/1NFS 277V 50Hz	202769
25A	1P	-	AC 440V 50Hz	NCK5-25/1NFS 440V 50Hz	202779
25A	1P	-	AC 480V 50Hz	NCK5-25/1NFS 480V 50Hz	202789
25A	1P	-	AC 440V 60Hz	NCK5-25/1NFS 440V 60Hz	202799
25A	1P	-	AC 480V 60Hz	NCK5-25/1NFS 480V 60Hz	202809
25A	2P	-	AC 24V 50Hz	NCK5-25/2NFL 24V 50Hz	195952
25A	2P	-	AC 120V 50Hz	NCK5-25/2NFL 120V 50Hz	195953
25A	2P	-	AC 208V ~ 240V 50Hz	NCK5-25/2NFL 208V ~ 240V 50Hz	195954
25A	2P	-	AC 24V 60Hz	NCK5-25/2NFL 24V 60Hz	198957
25A	2P	-	AC 120V 60Hz	NCK5-25/2NFL 120V 60Hz	198958
25A	2P	-	AC 208V ~ 240V 60Hz	NCK5-25/2NFL 208V ~ 240V 60Hz	198959
25A	2P	-	AC 24V 60Hz	NCK5-25/2NTL 24V 60Hz	202637
25A	2P	-	AC 120V 60Hz	NCK5-25/2NTL 120V 60Hz	202638
25A	2P	-	AC 208V ~ 240V 60Hz	NCK5-25/2NTL 208V ~ 240V 60Hz	202639
25A	2P	-	AC 277V 60Hz	NCK5-25/2NTL 277V 60Hz	202640
25A	2P	-	AC 277V 60Hz	NCK5-25/2NFL 277V 60Hz	202674
25A	2P	-	AC 24V 50Hz	NCK5-25/2NTL 24V 50Hz	202819
25A	2P	-	AC 120V 50Hz	NCK5-25/2NTL 120V 50Hz	202820
25A	2P	-	AC 208V ~ 240V 50Hz	NCK5-25/2NTL 208V ~ 240V 50Hz	202821
25A	2P	-	AC 277V 50Hz	NCK5-25/2NTL 277V 50Hz	202822
25A	2P	-	AC 440V 50Hz	NCK5-25/2NTL 440V 50Hz	202823
25A	2P	-	AC 480V 50Hz	NCK5-25/2NTL 480V 50Hz	202824
25A	2P	-	AC 440V 60Hz	NCK5-25/2NTL 440V 60Hz	202875
25A	2P	-	AC 480V 60Hz	NCK5-25/2NTL 480V 60Hz	202876
25A	2P	-	AC 277V 50Hz	NCK5-25/2NFL 277V 50Hz	202894
25A	2P	-	AC 440V 50Hz	NCK5-25/2NFL 440V 50Hz	202904
25A	2P	-	AC 480V 50Hz	NCK5-25/2NFL 480V 50Hz	202914
25A	2P	-	AC 440V 60Hz	NCK5-25/2NFL 440V 60Hz	202924
25A	2P	-	AC 480V 60Hz	NCK5-25/2NFL 480V 60Hz	202934
25A	2P	-	AC 24V 50Hz	NCK5-25/2NFS 24V 50Hz	195967
25A	2P	-	AC 120V 50Hz	NCK5-25/2NFS 120V 50Hz	195968
25A	2P	-	AC 208V ~ 240V 50Hz	NCK5-25/2NFS 208V ~ 240V 50Hz	195969
25A	2P	-	AC 24V 60Hz	NCK5-25/2NFS 24V 60Hz	198972
25A	2P	-	AC 120V 60Hz	NCK5-25/2NFS 120V 60Hz	198973
25A	2P	-	AC 208V ~ 240V 60Hz	NCK5-25/2NFS 208V ~ 240V 60Hz	198974
25A	2P	-	AC 24V 60Hz	NCK5-25/2NTS 24V 60Hz	202657
25A	2P	-	AC 120V 60Hz	NCK5-25/2NTS 120V 60Hz	202658
25A	2P	-	AC 208V ~ 240V 60Hz	NCK5-25/2NTS 208V ~ 240V 60Hz	202659
25A	2P	-	AC 277V 60Hz	NCK5-25/2NTS 277V 60Hz	202660
25A	2P	-	AC 277V 60Hz	NCK5-25/2NFS 277V 60Hz	202679
25A	2P	-	AC 24V 50Hz	NCK5-25/2NTS 24V 50Hz	202849
25A	2P	-	AC 120V 50Hz	NCK5-25/2NTS 120V 50Hz	202850
25A	2P	-	AC 208V ~ 240V 50Hz	NCK5-25/2NTS 208V ~ 240V 50Hz	202851
25A	2P	-	AC 277V 50Hz	NCK5-25/2NTS 277V 50Hz	202852
25A	2P	-	AC 440V 50Hz	NCK5-25/2NTS 440V 50Hz	202853
25A	2P	-	AC 480V 50Hz	NCK5-25/2NTS 480V 50Hz	202854
25A	2P	-	AC 440V 60Hz	NCK5-25/2NTS 440V 60Hz	202885
25A	2P	-	AC 480V 60Hz	NCK5-25/2NTS 480V 60Hz	202886
25A	2P	-	AC 277V 50Hz	NCK5-25/2NFS 277V 50Hz	202899
25A	2P	-	AC 440V 50Hz	NCK5-25/2NFS 440V 50Hz	202909
25A	2P	-	AC 480V 50Hz	NCK5-25/2NFS 480V 50Hz	202919
25A	2P	-	AC 440V 60Hz	NCK5-25/2NFS 440V 60Hz	202929
25A	2P	-	AC 480V 60Hz	NCK5-25/2NFS 480V 60Hz	202939
25A	3P	-	AC 24V 50/60Hz	NCK5-25/3L 24V 50/60Hz	262984
25A	3P	-	AC 120V 50/60Hz	NCK5-25/3L 120V 50/60Hz	262994
25A	3P	-	AC 220V 50/60Hz	NCK5-25/3L 220V 50/60Hz	263010
25A	3P	-	AC 208V ~ 240V 50/60Hz	NCK5-25/3L 208V ~ 240V 50/60Hz	263020
25A	3P	-	AC 220V 50/60Hz	NCK5-25/3L 220V 50/60Hz	399177
25A	3P	-	AC 277V 50/60Hz	NCK5-25/3L 277V 50/60Hz	516828
25A	3P	-	AC 440V 50/60Hz	NCK5-25/3L 440V 50/60Hz	516829
25A	3P	-	AC 480V 50/60Hz	NCK5-25/3L 480V 50/60Hz	516830
25A	3P	-	AC 600V 50/60Hz	NCK5-25/3L 600V 50/60Hz	516831
25A	3P	-	AC 24V 50/60Hz	NCK5-25/3S 24V 50/60Hz	262989
25A	3P	-	AC 120V 50/60Hz	NCK5-25/3S 120V 50/60Hz	262999
25A	3P	-	AC 220V 50/60Hz	NCK5-25/3S 220V 50/60Hz	263015
25A	3P	-	AC 208V ~ 240V 50/60Hz	NCK5-25/3S 208V ~ 240V 50/60Hz	263025

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3P	-	AC 220V 50/60Hz	NCK5-25/3S 220V 50/60Hz	399178
25A	3P	-	AC 277V 50/60Hz	NCK5-25/3S 277V 50/60Hz	516832
25A	3P	-	AC 440V 50/60Hz	NCK5-25/3S 440V 50/60Hz	516833
25A	3P	-	AC 480V 50/60Hz	NCK5-25/3S 480V 50/60Hz	516834
25A	3P	-	AC 600V 50/60Hz	NCK5-25/3S 600V 50/60Hz	516835
25A	4P	-	AC 24V 50/60Hz	NCK5-25/4L 24V 50/60Hz	263030
25A	4P	-	AC 120V 50/60Hz	NCK5-25/4L 120V 50/60Hz	263040
25A	4P	-	AC 220V 50/60Hz	NCK5-25/4L 220V 50/60Hz	263050
25A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-25/4L 208V ~ 240V 50/60Hz	263060
25A	4P	-	AC 277V 50/60Hz	NCK5-25/4L 277V 50/60Hz	516868
25A	4P	-	AC 440V 50/60Hz	NCK5-25/4L 440V 50/60Hz	516869
25A	4P	-	AC 480V 50/60Hz	NCK5-25/4L 480V 50/60Hz	516870
25A	4P	-	AC 600V 50/60Hz	NCK5-25/4L 600V 50/60Hz	516871
25A	4P	-	AC 24V 50/60Hz	NCK5-25/4S 24V 50/60Hz	263035
25A	4P	-	AC 120V 50/60Hz	NCK5-25/4S 120V 50/60Hz	263045
25A	4P	-	AC 220V 50/60Hz	NCK5-25/4S 220V 50/60Hz	263055
25A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-25/4S 208V ~ 240V 50/60Hz	263065
25A	4P	-	AC 277V 50/60Hz	NCK5-25/4S 277V 50/60Hz	516872
25A	4P	-	AC 440V 50/60Hz	NCK5-25/4S 440V 50/60Hz	516873
25A	4P	-	AC 480V 50/60Hz	NCK5-25/4S 480V 50/60Hz	516874
25A	4P	-	AC 600V 50/60Hz	NCK5-25/4S 600V 50/60Hz	516875
30A	1P	-	AC 24V 60Hz	NCK5-30/1NFL 24V 60Hz Global	190821
30A	1P	-	AC 24V 50Hz	NCK5-30/1NFL 24V 50Hz	195925
30A	1P	-	AC 120V 50Hz	NCK5-30/1NFL 120V 50Hz	195926
30A	1P	-	AC 208V ~ 240V 50Hz	NCK5-30/1NFL 208V ~ 240V 50Hz	195927
30A	1P	-	AC 24V 60Hz	NCK5-30/1NFL 24V 60Hz	195985
30A	1P	-	AC 120V 60Hz	NCK5-30/1NFL 120V 60Hz	195986
30A	1P	-	AC 208V ~ 240V 60Hz	NCK5-30/1NFL 208V ~ 240V 60Hz	195987
30A	1P	-	AC 24V 60Hz	NCK5-30/1NTL 24V 60Hz	202591
30A	1P	-	AC 120V 60Hz	NCK5-30/1NTL 120V 60Hz	202592
30A	1P	-	AC 208V ~ 240V 60Hz	NCK5-30/1NTL 208V ~ 240V 60Hz	202593
30A	1P	-	AC 277V 60Hz	NCK5-30/1NTL 277V 60Hz	202594
30A	1P	-	AC 277V 60Hz	NCK5-30/1NFL 277V 60Hz	202625
30A	1P	-	AC 24V 50Hz	NCK5-30/1NTL 24V 50Hz	202695

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
30A	1P	-	AC 120V 50Hz	NCK5-30/1NTL 120V 50Hz	202696
30A	1P	-	AC 208V ~ 240V 50Hz	NCK5-30/1NTL 208V ~ 240V 50Hz	202697
30A	1P	-	AC 277V 50Hz	NCK5-30/1NTL 277V 50Hz	202698
30A	1P	-	AC 440V 50Hz	NCK5-30/1NTL 440V 50Hz	202699
30A	1P	-	AC 480V 50Hz	NCK5-30/1NTL 480V 50Hz	202700
30A	1P	-	AC 440V 60Hz	NCK5-30/1NTL 440V 60Hz	202747
30A	1P	-	AC 480V 60Hz	NCK5-30/1NTL 480V 60Hz	202748
30A	1P	-	AC 277V 50Hz	NCK5-30/1NFL 277V 50Hz	202765
30A	1P	-	AC 440V 50Hz	NCK5-30/1NFL 440V 50Hz	202775
30A	1P	-	AC 480V 50Hz	NCK5-30/1NFL 480V 50Hz	202785
30A	1P	-	AC 440V 60Hz	NCK5-30/1NFL 440V 60Hz	202795
30A	1P	-	AC 480V 60Hz	NCK5-30/1NFL 480V 60Hz	202805
30A	1P	-	AC 24V 50Hz	NCK5-30/1NFS 24V 50Hz	195940
30A	1P	-	AC 120V 50Hz	NCK5-30/1NFS 120V 50Hz	195941
30A	1P	-	AC 208V ~ 240V 50Hz	NCK5-30/1NFS 208V ~ 240V 50Hz	195942
30A	1P	-	AC 24V 60Hz	NCK5-30/1NFS 24V 60Hz	198945
30A	1P	-	AC 120V 60Hz	NCK5-30/1NFS 120V 60Hz	198946
30A	1P	-	AC 208V ~ 240V 60Hz	NCK5-30/1NFS 208V ~ 240V 60Hz	198947
30A	1P	-	AC 24V 60Hz	NCK5-30/1NTS 24V 60Hz	202611
30A	1P	-	AC 120V 60Hz	NCK5-30/1NTS 120V 60Hz	202612
30A	1P	-	AC 208V ~ 240V 60Hz	NCK5-30/1NTS 208V ~ 240V 60Hz	202613
30A	1P	-	AC 277V 60Hz	NCK5-30/1NTS 277V 60Hz	202614
30A	1P	-	AC 277V 60Hz	NCK5-30/1NFS 277V 60Hz	202630
30A	1P	-	AC 24V 50Hz	NCK5-30/1NTS 24V 50Hz	202725
30A	1P	-	AC 120V 50Hz	NCK5-30/1NTS 120V 50Hz	202726
30A	1P	-	AC 208V□240V 50Hz	NCK5-30/1NTS 208V□240V 50Hz	202727
30A	1P	-	AC 277V 50Hz	NCK5-30/1NTS 277V 50Hz	202728
30A	1P	-	AC 440V 50Hz	NCK5-30/1NTS 440V 50Hz	202729
30A	1P	-	AC 480V 50Hz	NCK5-30/1NTS 480V 50Hz	202730
30A	1P	-	AC 440V 60Hz	NCK5-30/1NTS 440V 60Hz	202757
30A	1P	-	AC 480V 60Hz	NCK5-30/1NTS 480V 60Hz	202758
30A	1P	-	AC 277V 50Hz	NCK5-30/1NFS 277V 50Hz	202770
30A	1P	-	AC 440V 50Hz	NCK5-30/1NFS 440V 50Hz	202780
30A	1P	-	AC 480V 50Hz	NCK5-30/1NFS 480V 50Hz	202790

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
30A	1P	-	AC 440V 60Hz	NCK5-30/1NFS 440V 60Hz	202800
30A	1P	-	AC 480V 60Hz	NCK5-30/1NFS 480V 60Hz	202810
30A	2P	-	AC 24V 50Hz	NCK5-30/2NFL 24V 50Hz	195955
30A	2P	-	AC 120V 50Hz	NCK5-30/2NFL 120V 50Hz	195956
30A	2P	-	AC 208V ~ 240V 50Hz	NCK5-30/2NFL 208V ~ 240V 50Hz	195957
30A	2P	-	AC 24V 60Hz	NCK5-30/2NFL 24V 60Hz	198960
30A	2P	-	AC 120V 60Hz	NCK5-30/2NFL 120V 60Hz	198961
30A	2P	-	AC 208V ~ 240V 60Hz	NCK5-30/2NFL 208V ~ 240V 60Hz	198962
30A	2P	-	AC 24V 60Hz	NCK5-30/2NTL 24V 60Hz	202641
30A	2P	-	AC 120V 60Hz	NCK5-30/2NTL 120V 60Hz	202642
30A	2P	-	AC 208V ~ 240V 60Hz	NCK5-30/2NTL 208V ~ 240V 60Hz	202643
30A	2P	-	AC 277V 60Hz	NCK5-30/2NTL 277V 60Hz	202644
30A	2P	-	AC 277V 60Hz	NCK5-30/2NFL 277V 60Hz	202675
30A	2P	-	AC 24V 50Hz	NCK5-30/2NTL 24V 50Hz	202825
30A	2P	-	AC 120V 50Hz	NCK5-30/2NTL 120V 50Hz	202826
30A	2P	-	AC 208V ~ 240V 50Hz	NCK5-30/2NTL 208V ~ 240V 50Hz	202827
30A	2P	-	AC 277V 50Hz	NCK5-30/2NTL 277V 50Hz	202828
30A	2P	-	AC 440V 50Hz	NCK5-30/2NTL 440V 50Hz	202829
30A	2P	-	AC 480V 50Hz	NCK5-30/2NTL 480V 50Hz	202830
30A	2P	-	AC 440V 60Hz	NCK5-30/2NTL 440V 60Hz	202877
30A	2P	-	AC 480V 60Hz	NCK5-30/2NTL 480V 60Hz	202878
30A	2P	-	AC 277V 50Hz	NCK5-30/2NFL 277V 50Hz	202895
30A	2P	-	AC 440V 50Hz	NCK5-30/2NFL 440V 50Hz	202905
30A	2P	-	AC 480V 50Hz	NCK5-30/2NFL 480V 50Hz	202915
30A	2P	-	AC 440V 60Hz	NCK5-30/2NFL 440V 60Hz	202925
30A	2P	-	AC 480V 60Hz	NCK5-30/2NFL 480V 60Hz	202935
30A	2P	-	AC 24V 50Hz	NCK5-30/2NFS 24V 50Hz	195970
30A	2P	-	AC 120V 50Hz	NCK5-30/2NFS 120V 50Hz	195971
30A	2P	-	AC 208V ~ 240V 50Hz	NCK5-30/2NFS 208V ~ 240V 50Hz	195972
30A	2P	-	AC 24V 60Hz	NCK5-30/2NFS 24V 60Hz	198975
30A	2P	-	AC 120V 60Hz	NCK5-30/2NFS 120V 60Hz	198976
30A	2P	-	AC 208V ~ 240V 60Hz	NCK5-30/2NFS 208V ~ 240V 60Hz	198977
30A	2P	-	AC 24V 60Hz	NCK5-30/2NTS 24V 60Hz	202661
30A	2P	-	AC 120V 60Hz	NCK5-30/2NTS 120V 60Hz	202662

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
30A	2P	-	AC 208V ~ 240V 60Hz	NCK5-30/2NTS 208V ~ 240V 60Hz	202663
30A	2P	-	AC 277V 60Hz	NCK5-30/2NTS 277V 60Hz	202664
30A	2P	-	AC 277V 60Hz	NCK5-30/2NFS 277V 60Hz	202680
30A	2P	-	AC 24V 50Hz	NCK5-30/2NTS 24V 50Hz	202855
30A	2P	-	AC 120V 50Hz	NCK5-30/2NTS 120V 50Hz	202856
30A	2P	-	AC 208V ~ 240V 50Hz	NCK5-30/2NTS 208V ~ 240V 50Hz	202857
30A	2P	-	AC 277V 50Hz	NCK5-30/2NTS 277V 50Hz	202858
30A	2P	-	AC 440V 50Hz	NCK5-30/2NTS 440V 50Hz	202859
30A	2P	-	AC 480V 50Hz	NCK5-30/2NTS 480V 50Hz	202860
30A	2P	-	AC 440V 60Hz	NCK5-30/2NTS 440V 60Hz	202887
30A	2P	-	AC 480V 60Hz	NCK5-30/2NTS 480V 60Hz	202888
30A	2P	-	AC 277V 50Hz	NCK5-30/2NFS 277V 50Hz	202900
30A	2P	-	AC 440V 50Hz	NCK5-30/2NFS 440V 50Hz	202910
30A	2P	-	AC 480V 50Hz	NCK5-30/2NFS 480V 50Hz	202920
30A	2P	-	AC 440V 60Hz	NCK5-30/2NFS 440V 60Hz	202930
30A	2P	-	AC 480V 60Hz	NCK5-30/2NFS 480V 60Hz	202940
30A	3P	-	AC 24V 50/60Hz	NCK5-30/3L 24V 50/60Hz	262985
30A	3P	-	AC 120V 50/60Hz	NCK5-30/3L 120V 50/60Hz	262995
30A	3P	-	AC 220V 50/60Hz	NCK5-30/3L 220V 50/60Hz	263011
30A	3P	-	AC 208V ~ 240V 50/60Hz	NCK5-30/3L 208V ~ 240V 50/60Hz	263021
30A	3P	-	AC 277V 50/60Hz	NCK5-30/3L 277V 50/60Hz	516836
30A	3P	-	AC 440V 50/60Hz	NCK5-30/3L 440V 50/60Hz	516837
30A	3P	-	AC 480V 50/60Hz	NCK5-30/3L 480V 50/60Hz	516838
30A	3P	-	AC 600V 50/60Hz	NCK5-30/3L 600V 50/60Hz	516839
30A	3P	-	AC 120V 50/60Hz	NCK5-30/3S 120V 50/60Hz	263006
30A	3P	-	AC 208V ~ 240V 50/60Hz	NCK5-30/3S 208V ~ 240V 50/60Hz	263026
30A	3P	-	AC 220V 50/60Hz	NCK5-30/3S 220V 50/60Hz	263016
30A	3P	-	AC 24V 50/60Hz	NCK5-30/3S 24V 50/60Hz	262990
30A	3P	-	AC 277V 50/60Hz	NCK5-30/3S 277V 50/60Hz	516840
30A	3P	-	AC 440V 50/60Hz	NCK5-30/3S 440V 50/60Hz	516841
30A	3P	-	AC 480V 50/60Hz	NCK5-30/3S 480V 50/60Hz	516842
30A	3P	-	AC 600V 50/60Hz	NCK5-30/3S 600V 50/60Hz	516843
30A	4P	-	AC 24V 50/60Hz	NCK5-30/4L 24V 50/60Hz	263031
30A	4P	-	AC 120V 50/60Hz	NCK5-30/4L 120V 50/60Hz	263041

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
30A	4P	-	AC 220V 50/60Hz	NCK5-30/4L 220V 50/60Hz	263051
30A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-30/4L 208V ~ 240V 50/60Hz	263061
30A	4P	-	AC 277V 50/60Hz	NCK5-30/4L 277V 50/60Hz	516876
30A	4P	-	AC 440V 50/60Hz	NCK5-30/4L 440V 50/60Hz	516877
30A	4P	-	AC 480V 50/60Hz	NCK5-30/4L 480V 50/60Hz	516878
30A	4P	-	AC 600V 50/60Hz	NCK5-30/4L 600V 50/60Hz	516879
30A	4P	-	AC 24V 50/60Hz	NCK5-30/4S 24V 50/60Hz	263036
30A	4P	-	AC 120V 50/60Hz	NCK5-30/4S 120V 50/60Hz	263046
30A	4P	-	AC 220V 50/60Hz	NCK5-30/4S 220V 50/60Hz	263056
30A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-30/4S 208V ~ 240V 50/60Hz	263066
30A	4P	-	AC 277V 50/60Hz	NCK5-30/4S 277V 50/60Hz	516880
30A	4P	-	AC 440V 50/60Hz	NCK5-30/4S 440V 50/60Hz	516881
30A	4P	-	AC 480V 50/60Hz	NCK5-30/4S 480V 50/60Hz	516882
30A	4P	-	AC 600V 50/60Hz	NCK5-30/4S 600V 50/60Hz	516883
32A	1P	-	AC 24V 50Hz	NCK5-32/1NFL 24V 50Hz	195928
32A	1P	-	AC 120V 50Hz	NCK5-32/1NFL 120V 50Hz	195929
32A	1P	-	AC 208V ~ 240V 50Hz	NCK5-32/1NFL 208V ~ 240V 50Hz	195930
32A	1P	-	AC 24V 60Hz	NCK5-32/1NFL 24V 60Hz	195988
32A	1P	-	AC 120V 60Hz	NCK5-32/1NFL 120V 60Hz	195989
32A	1P	-	AC 208V ~ 240V 60Hz	NCK5-32/1NFL 208V ~ 240V 60Hz	195990
32A	1P	-	AC 24V 60Hz	NCK5-32/1NTL 24V 60Hz	202595
32A	1P	-	AC 120V 60Hz	NCK5-32/1NTL 120V 60Hz	202596
32A	1P	-	AC 208V ~ 240V 60Hz	NCK5-32/1NTL 208V ~ 240V 60Hz	202597
32A	1P	-	AC 277V 60Hz	NCK5-32/1NTL 277V 60Hz	202598
32A	1P	-	AC 277V 60Hz	NCK5-32/1NFL 277V 60Hz	202626
32A	1P	-	AC 24V 50Hz	NCK5-32/1NTL 24V 50Hz	202701
32A	1P	-	AC 120V 50Hz	NCK5-32/1NTL 120V 50Hz	202702
32A	1P	-	AC 208V ~ 240V 50Hz	NCK5-32/1NTL 208V ~ 240V 50Hz	202703
32A	1P	-	AC 277V 50Hz	NCK5-32/1NTL 277V 50Hz	202704
32A	1P	-	AC 440V 50Hz	NCK5-32/1NTL 440V 50Hz	202705
32A	1P	-	AC 480V 50Hz	NCK5-32/1NTL 480V 50Hz	202706
32A	1P	-	AC 440V 60Hz	NCK5-32/1NTL 440V 60Hz	202749
32A	1P	-	AC 480V 60Hz	NCK5-32/1NTL 480V 60Hz	202750
32A	1P	-	AC 277V 50Hz	NCK5-32/1NFL 277V 50Hz	202766

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	1P	-	AC 440V 50Hz	NCK5-32/1NFL 440V 50Hz	202776
32A	1P	-	AC 480V 50Hz	NCK5-32/1NFL 480V 50Hz	202786
32A	1P	-	AC 440V 60Hz	NCK5-32/1NFL 440V 60Hz	202796
32A	1P	-	AC 480V 60Hz	NCK5-32/1NFL 480V 60Hz	202806
32A	1P	-	AC 24V 50Hz	NCK5-32/1NFS 24V 50Hz	195943
32A	1P	-	AC 120V 50Hz	NCK5-32/1NFS 120V 50Hz	195944
32A	1P	-	AC 208V ~ 240V 50Hz	NCK5-32/1NFS 208V ~ 240V 50Hz	195945
32A	1P	-	AC 24V 60Hz	NCK5-32/1NFS 24V 60Hz	198948
32A	1P	-	AC 120V 60Hz	NCK5-32/1NFS 120V 60Hz	198949
32A	1P	-	AC 208V ~ 240V 60Hz	NCK5-32/1NFS 208V ~ 240V 60Hz	198950
32A	1P	-	AC 24V 60Hz	NCK5-32/1NTS 24V 60Hz	202615
32A	1P	-	AC 120V 60Hz	NCK5-32/1NTS 120V 60Hz	202616
32A	1P	-	AC 208V ~ 240V 60Hz	NCK5-32/1NTS 208V ~ 240V 60Hz	202617
32A	1P	-	AC 277V 60Hz	NCK5-32/1NTS 277V 60Hz	202618
32A	1P	-	AC 277V 60Hz	NCK5-32/1NFS 277V 60Hz	202631
32A	1P	-	AC 24V 50Hz	NCK5-32/1NTS 24V 50Hz	202731
32A	1P	-	AC 120V 50Hz	NCK5-32/1NTS 120V 50Hz	202732
32A	1P	-	AC 208V ~ 240V 50Hz	NCK5-32/1NTS 208V ~ 240V 50Hz	202733
32A	1P	-	AC 277V 50Hz	NCK5-32/1NTS 277V 50Hz	202734
32A	1P	-	AC 440V 50Hz	NCK5-32/1NTS 440V 50Hz	202735
32A	1P	-	AC 480V 50Hz	NCK5-32/1NTS 480V 50Hz	202736
32A	1P	-	AC 440V 60Hz	NCK5-32/1NTS 440V 60Hz	202759
32A	1P	-	AC 480V 60Hz	NCK5-32/1NTS 480V 60Hz	202760
32A	1P	-	AC 277V 50Hz	NCK5-32/1NFS 277V 50Hz	202771
32A	1P	-	AC 440V 50Hz	NCK5-32/1NFS 440V 50Hz	202781
32A	1P	-	AC 480V 50Hz	NCK5-32/1NFS 480V 50Hz	202791
32A	1P	-	AC 440V 60Hz	NCK5-32/1NFS 440V 60Hz	202801
32A	1P	-	AC 480V 60Hz	NCK5-32/1NFS 480V 60Hz	202811
32A	2P	-	AC 24V 50Hz	NCK5-32/2NFL 24V 50Hz	195958
32A	2P	-	AC 120V 50Hz	NCK5-32/2NFL 120V 50Hz	195959
32A	2P	-	AC 208V ~ 240V 50Hz	NCK5-32/2NFL 208V ~ 240V 50Hz	195960
32A	2P	-	AC 24V 60Hz	NCK5-32/2NFL 24V 60Hz	198963
32A	2P	-	AC 120V 60Hz	NCK5-32/2NFL 120V 60Hz	198964
32A	2P	-	AC 208V ~ 240V 60Hz	NCK5-32/2NFL 208V ~ 240V 60Hz	198965

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	2P	-	AC 24V 60Hz	NCK5-32/2NTL 24V 60Hz	202645
32A	2P	-	AC 120V 60Hz	NCK5-32/2NTL 120V 60Hz	202646
32A	2P	-	AC 208V ~ 240V 60Hz	NCK5-32/2NTL 208V ~ 240V 60Hz	202647
32A	2P	-	AC 277V 60Hz	NCK5-32/2NTL 277V 60Hz	202648
32A	2P	-	AC 277V 60Hz	NCK5-32/2NFL 277V 60Hz	202676
32A	2P	-	AC 24V 50Hz	NCK5-32/2NTL 24V 50Hz	202831
32A	2P	-	AC 120V 50Hz	NCK5-32/2NTL 120V 50Hz	202832
32A	2P	-	AC 208V ~ 240V 50Hz	NCK5-32/2NTL 208V ~ 240V 50Hz	202833
32A	2P	-	AC 277V 50Hz	NCK5-32/2NTL 277V 50Hz	202834
32A	2P	-	AC 440V 50Hz	NCK5-32/2NTL 440V 50Hz	202835
32A	2P	-	AC 480V 50Hz	NCK5-32/2NTL 480V 50Hz	202836
32A	2P	-	AC 440V 60Hz	NCK5-32/2NTL 440V 60Hz	202879
32A	2P	-	AC 480V 60Hz	NCK5-32/2NTL 480V 60Hz	202880
32A	2P	-	AC 277V 50Hz	NCK5-32/2NFL 277V 50Hz	202896
32A	2P	-	AC 440V 50Hz	NCK5-32/2NFL 440V 50Hz	202906
32A	2P	-	AC 480V 50Hz	NCK5-32/2NFL 480V 50Hz	202916
32A	2P	-	AC 440V 60Hz	NCK5-32/2NFL 440V 60Hz	202926
32A	2P	-	AC 480V 60Hz	NCK5-32/2NFL 480V 60Hz	202936
32A	2P	-	AC 220V 50/60Hz	NCK5-32/2NTL 220V 50/60Hz	399179
32A	2P	-	AC 24V 50Hz	NCK5-32/2NFS 24V 50Hz	195973
32A	2P	-	AC 120V 50Hz	NCK5-32/2NFS 120V 50Hz	195974
32A	2P	-	AC 208V ~ 240V 50Hz	NCK5-32/2NFS 208V ~ 240V 50Hz	195975
32A	2P	-	AC 24V 60Hz	NCK5-32/2NFS 24V 60Hz	198978
32A	2P	-	AC 120V 60Hz	NCK5-32/2NFS 120V 60Hz	198979
32A	2P	-	AC 208V ~ 240V 60Hz	NCK5-32/2NFS 208V ~ 240V 60Hz	198980
32A	2P	-	AC 24V 60Hz	NCK5-32/2NTS 24V 60Hz	202665
32A	2P	-	AC 120V 60Hz	NCK5-32/2NTS 120V 60Hz	202666
32A	2P	-	AC 208V ~ 240V 60Hz	NCK5-32/2NTS 208V ~ 240V 60Hz	202667
32A	2P	-	AC 277V 60Hz	NCK5-32/2NTS 277V 60Hz	202668
32A	2P	-	AC 277V 60Hz	NCK5-32/2NFS 277V 60Hz	202681
32A	2P	-	AC 24V 50Hz	NCK5-32/2NTS 24V 50Hz	202861
32A	2P	-	AC 120V 50Hz	NCK5-32/2NTS 120V 50Hz	202862
32A	2P	-	AC 208V ~ 240V 50Hz	NCK5-32/2NTS 208V ~ 240V 50Hz	202863
32A	2P	-	AC 277V 50Hz	NCK5-32/2NTS 277V 50Hz	202864

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	2P	-	AC 440V 50Hz	NCK5-32/2NTS 440V 50Hz	202865
32A	2P	-	AC 480V 50Hz	NCK5-32/2NTS 480V 50Hz	202866
32A	2P	-	AC 440V 60Hz	NCK5-32/2NTS 440V 60Hz	202889
32A	2P	-	AC 480V 60Hz	NCK5-32/2NTS 480V 60Hz	202890
32A	2P	-	AC 277V 50Hz	NCK5-32/2NFS 277V 50Hz	202901
32A	2P	-	AC 440V 50Hz	NCK5-32/2NFS 440V 50Hz	202911
32A	2P	-	AC 480V 50Hz	NCK5-32/2NFS 480V 50Hz	202921
32A	2P	-	AC 440V 60Hz	NCK5-32/2NFS 440V 60Hz	202931
32A	2P	-	AC 480V 60Hz	NCK5-32/2NFS 480V 60Hz	202941
32A	3P	-	AC 24V 50/60Hz	NCK5-32/3L 24V 50/60Hz	262986
32A	3P	-	AC 120V 50/60Hz	NCK5-32/3L 120V 50/60Hz	262996
32A	3P	-	AC 220V 50/60Hz	NCK5-32/3L 220V 50/60Hz	263012
32A	3P	-	AC 208V ~ 240V 50/60Hz	NCK5-32/3L 208V ~ 240V 50/60Hz	263022
32A	3P	-	AC 277V 50/60Hz	NCK5-32/3L 277V 50/60Hz	516844
32A	3P	-	AC 440V 50/60Hz	NCK5-32/3L 440V 50/60Hz	516845
32A	3P	-	AC 480V 50/60Hz	NCK5-32/3L 480V 50/60Hz	516846
32A	3P	-	AC 600V 50/60Hz	NCK5-32/3L 600V 50/60Hz	516847
32A	3P	-	AC 24V 50/60Hz	NCK5-32/3S 24V 50/60Hz	262991
32A	3P	-	AC 120V 50/60Hz	NCK5-32/3S 120V 50/60Hz	263007
32A	3P	-	AC 220V 50/60Hz	NCK5-32/3S 220V 50/60Hz	263017
32A	3P	-	AC 208V ~ 240V 50/60Hz	NCK5-32/3S 208V ~ 240V 50/60Hz	263027
32A	3P	-	AC 277V 50/60Hz	NCK5-32/3S 277V 50/60Hz	516848
32A	3P	-	AC 440V 50/60Hz	NCK5-32/3S 440V 50/60Hz	516849
32A	3P	-	AC 480V 50/60Hz	NCK5-32/3S 480V 50/60Hz	516850
32A	3P	-	AC 600V 50/60Hz	NCK5-32/3S 600V 50/60Hz	516851

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	4P	-	AC 24V 50/60Hz	NCK5-32/4L 24V 50/60Hz	263032
32A	4P	-	AC 120V 50/60Hz	NCK5-32/4L 120V 50/60Hz	263042
32A	4P	-	AC 220V 50/60Hz	NCK5-32/4L 220V 50/60Hz	263052
32A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-32/4L 208V ~ 240V 50/60Hz	263062
32A	4P	-	AC 277V 50/60Hz	NCK5-32/4L 277V 50/60Hz	516884
32A	4P	-	AC 440V 50/60Hz	NCK5-32/4L 440V 50/60Hz	516885
32A	4P	-	AC 480V 50/60Hz	NCK5-32/4L 480V 50/60Hz	516886
32A	4P	-	AC 600V 50/60Hz	NCK5-32/4L 600V 50/60Hz	516887
32A	4P	-	AC 24V 50/60Hz	NCK5-32/4S 24V 50/60Hz	263037
32A	4P	-	AC 120V 50/60Hz	NCK5-32/4S 120V 50/60Hz	263047
32A	4P	-	AC 220V 50/60Hz	NCK5-32/4S 220V 50/60Hz	263057
32A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-32/4S 208V ~ 240V 50/60Hz	263067
32A	4P	-	AC 277V 50/60Hz	NCK5-32/4S 277V 50/60Hz	516888
32A	4P	-	AC 440V 50/60Hz	NCK5-32/4S 440V 50/60Hz	516889
32A	4P	-	AC 480V 50/60Hz	NCK5-32/4S 480V 50/60Hz	516890
32A	4P	-	AC 600V 50/60Hz	NCK5-32/4S 600V 50/60Hz	516891
40A	1P	-	AC 24V 60Hz	NCK5-40/1NFL 24V 60Hz Global	190822
40A	1P	-	AC 24V 50Hz	NCK5-40/1NFL 24V 50Hz	195931
40A	1P	-	AC 120V 50Hz	NCK5-40/1NFL 120V 50Hz	195932
40A	1P	-	AC 208V ~ 240V 50Hz	NCK5-40/1NFL 208V ~ 240V 50Hz	195933
40A	1P	-	AC 24V 60Hz	NCK5-40/1NFL 24V 60Hz	195991
40A	1P	-	AC 120V 60Hz	NCK5-40/1NFL 120V 60Hz	195992
40A	1P	-	AC 208V ~ 240V 60Hz	NCK5-40/1NFL 208V ~ 240V 60Hz	195993
40A	1P	-	AC 24V 60Hz	NCK5-40/1NTL 24V 60Hz	202599
40A	1P	-	AC 120V 60Hz	NCK5-40/1NTL 120V 60Hz	202600
40A	1P	-	AC 208V ~ 240V 60Hz	NCK5-40/1NTL 208V ~ 240V 60Hz	202601
40A	1P	-	AC 277V 60Hz	NCK5-40/1NTL 277V 60Hz	202602
40A	1P	-	AC 277V 60Hz	NCK5-40/1NFL 277V 60Hz	202627
40A	1P	-	AC 24V 50Hz	NCK5-40/1NTL 24V 50Hz	202707
40A	1P	-	AC 120V 50Hz	NCK5-40/1NTL 120V 50Hz	202708
40A	1P	-	AC 208V ~ 240V 50Hz	NCK5-40/1NTL 208V ~ 240V 50Hz	202709
40A	1P	-	AC 277V 50Hz	NCK5-40/1NTL 277V 50Hz	202710
40A	1P	-	AC 440V 50Hz	NCK5-40/1NTL 440V 50Hz	202711
40A	1P	-	AC 480V 50Hz	NCK5-40/1NTL 480V 50Hz	202712

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	1P	-	AC 440V 60Hz	NCK5-40/1NTL 440V 60Hz	202751
40A	1P	-	AC 480V 60Hz	NCK5-40/1NTL 480V 60Hz	202752
40A	1P	-	AC 277V 50Hz	NCK5-40/1NFL 277V 50Hz	202767
40A	1P	-	AC 440V 50Hz	NCK5-40/1NFL 440V 50Hz	202777
40A	1P	-	AC 480V 50Hz	NCK5-40/1NFL 480V 50Hz	202787
40A	1P	-	AC 440V 60Hz	NCK5-40/1NFL 440V 60Hz	202797
40A	1P	-	AC 480V 60Hz	NCK5-40/1NFL 480V 60Hz	202807
40A	1P	-	AC 230V 50/60Hz	NCK5-40/1 230V 50/60Hz	295651
40A	1P	-	AC 24V 50Hz	NCK5-40/1NFS 24V 50Hz	195946
40A	1P	-	AC 120V 50Hz	NCK5-40/1NFS 120V 50Hz	195947
40A	1P	-	AC 208V ~ 240V 50Hz	NCK5-40/1NFS 208V ~ 240V 50Hz	195948
40A	1P	-	AC 24V 60Hz	NCK5-40/1NFS 24V 60Hz	198951
40A	1P	-	AC 120V 60Hz	NCK5-40/1NFS 120V 60Hz	198952
40A	1P	-	AC 208V ~ 240V 60Hz	NCK5-40/1NFS 208V ~ 240V 60Hz	198953
40A	1P	-	AC 24V 60Hz	NCK5-40/1NTS 24V 60Hz	202619
40A	1P	-	AC 120V 60Hz	NCK5-40/1NTS 120V 60Hz	202620
40A	1P	-	AC 208V ~ 240V 60Hz	NCK5-40/1NTS 208V ~ 240V 60Hz	202621
40A	1P	-	AC 277V 60Hz	NCK5-40/1NTS 277V 60Hz	202622
40A	1P	-	AC 277V 60Hz	NCK5-40/1NFS 277V 60Hz	202632
40A	1P	-	AC 24V 50Hz	NCK5-40/1NTS 24V 50Hz	202737
40A	1P	-	AC 120V 50Hz	NCK5-40/1NTS 120V 50Hz	202738
40A	1P	-	AC 208V ~ 240V 50Hz	NCK5-40/1NTS 208V ~ 240V 50Hz	202739
40A	1P	-	AC 277V 50Hz	NCK5-40/1NTS 277V 50Hz	202740
40A	1P	-	AC 440V 50Hz	NCK5-40/1NTS 440V 50Hz	202741
40A	1P	-	AC 480V 50Hz	NCK5-40/1NTS 480V 50Hz	202742
40A	1P	-	AC 440V 60Hz	NCK5-40/1NTS 440V 60Hz	202761
40A	1P	-	AC 480V 60Hz	NCK5-40/1NTS 480V 60Hz	202762
40A	1P	-	AC 277V 50Hz	NCK5-40/1NFS 277V 50Hz	202772
40A	1P	-	AC 440V 50Hz	NCK5-40/1NFS 440V 50Hz	202782
40A	1P	-	AC 480V 50Hz	NCK5-40/1NFS 480V 50Hz	202792
40A	1P	-	AC 440V 60Hz	NCK5-40/1NFS 440V 60Hz	202802
40A	1P	-	AC 480V 60Hz	NCK5-40/1NFS 480V 60Hz	202812
40A	1P	-	AC 240V 50/60Hz	NCK5-40/1NTS 240V 50/60Hz	399180

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	2P	-	AC 24V 50Hz	NCK5-40/2NFL 24V 50Hz	195961
40A	2P	-	AC 120V 50Hz	NCK5-40/2NFL 120V 50Hz	195962
40A	2P	-	AC 208V ~ 240V 50Hz	NCK5-40/2NFL 208V ~ 240V 50Hz	195963
40A	2P	-	AC 24V 60Hz	NCK5-40/2NFL 24V 60Hz	198966
40A	2P	-	AC 120V 60Hz	NCK5-40/2NFL 120V 60Hz	198967
40A	2P	-	AC 208V ~ 240V 60Hz	NCK5-40/2NFL 208V ~ 240V 60Hz	198968
40A	2P	-	AC 24V 60Hz	NCK5-40/2NTL 24V 60Hz	202649
40A	2P	-	AC 120V 60Hz	NCK5-40/2NTL 120V 60Hz	202650
40A	2P	-	AC 208V ~ 240V 60Hz	NCK5-40/2NTL 208V ~ 240V 60Hz	202651
40A	2P	-	AC 277V 60Hz	NCK5-40/2NTL 277V 60Hz	202652
40A	2P	-	AC 277V 60Hz	NCK5-40/2NFL 277V 60Hz	202677
40A	2P	-	AC 24V 50Hz	NCK5-40/2NTL 24V 50Hz	202837
40A	2P	-	AC 120V 50Hz	NCK5-40/2NTL 120V 50Hz	202838
40A	2P	-	AC 208V ~ 240V 50Hz	NCK5-40/2NTL 208V ~ 240V 50Hz	202839
40A	2P	-	AC 277V 50Hz	NCK5-40/2NTL 277V 50Hz	202840
40A	2P	-	AC 440V 50Hz	NCK5-40/2NTL 440V 50Hz	202841
40A	2P	-	AC 480V 50Hz	NCK5-40/2NTL 480V 50Hz	202842
40A	2P	-	AC 440V 60Hz	NCK5-40/2NTL 440V 60Hz	202881
40A	2P	-	AC 480V 60Hz	NCK5-40/2NTL 480V 60Hz	202882
40A	2P	-	AC 277V 50Hz	NCK5-40/2NFL 277V 50Hz	202897
40A	2P	-	AC 440V 50Hz	NCK5-40/2NFL 440V 50Hz	202907
40A	2P	-	AC 480V 50Hz	NCK5-40/2NFL 480V 50Hz	202917
40A	2P	-	AC 440V 60Hz	NCK5-40/2NFL 440V 60Hz	202927
40A	2P	-	AC 480V 60Hz	NCK5-40/2NFL 480V 60Hz	202937
40A	2P	-	AC 24V 50Hz	NCK5-40/2NFS 24V 50Hz	195976
40A	2P	-	AC 120V 50Hz	NCK5-40/2NFS 120V 50Hz	195977
40A	2P	-	AC 208V ~ 240V 50Hz	NCK5-40/2NFS 208V ~ 240V 50Hz	195978
40A	2P	-	AC 24V 60Hz	NCK5-40/2NFS 24V 60Hz	199852
40A	2P	-	AC 120V 60Hz	NCK5-40/2NFS 120V 60Hz	199853
40A	2P	-	AC 208V ~ 240V 60Hz	NCK5-40/2NFS 208V ~ 240V 60Hz	199854
40A	2P	-	AC 24V 60Hz	NCK5-40/2NTS 24V 60Hz	202669
40A	2P	-	AC 120V 60Hz	NCK5-40/2NTS 120V 60Hz	202670
40A	2P	-	AC 208V ~ 240V 60Hz	NCK5-40/2NTS 208V ~ 240V 60Hz	202671
40A	2P	-	AC 277V 60Hz	NCK5-40/2NTS 277V 60Hz	202672
40A	2P	-	AC 277V 60Hz	NCK5-40/2NFS 277V 60Hz	202682
40A	2P	-	AC 24V 50Hz	NCK5-40/2NTS 24V 50Hz	202867
40A	2P	-	AC 120V 50Hz	NCK5-40/2NTS 120V 50Hz	202868
40A	2P	-	AC 208V ~ 240V 50Hz	NCK5-40/2NTS 208V ~ 240V 50Hz	202869
40A	2P	-	AC 277V 50Hz	NCK5-40/2NTS 277V 50Hz	202870
40A	2P	-	AC 440V 50Hz	NCK5-40/2NTS 440V 50Hz	202871
40A	2P	-	AC 480V 50Hz	NCK5-40/2NTS 480V 50Hz	202872
40A	2P	-	AC 440V 60Hz	NCK5-40/2NTS 440V 60Hz	202891

AC-8a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	2P	-	AC 480V 60Hz	NCK5-40/2NTS 480V 60Hz	202892
40A	2P	-	AC 277V 50Hz	NCK5-40/2NFS 277V 50Hz	202902
40A	2P	-	AC 440V 50Hz	NCK5-40/2NFS 440V 50Hz	202912
40A	2P	-	AC 480V 50Hz	NCK5-40/2NFS 480V 50Hz	202922
40A	2P	-	AC 440V 60Hz	NCK5-40/2NFS 440V 60Hz	202932
40A	2P	-	AC 480V 60Hz	NCK5-40/2NFS 480V 60Hz	202942
40A	3P	-	AC 24V 50/60Hz	NCK5-40/3L 24V 50/60Hz	262987
40A	3P	-	AC 120V 50/60Hz	NCK5-40/3L 120V 50/60Hz	262997
40A	3P	-	AC 220V 50/60Hz	NCK5-40/3L 220V 50/60Hz	263013
40A	3P	-	AC 208V ~ 240V 50/60Hz	NCK5-40/3L 208V ~ 240V 50/60Hz	263023
40A	3P	-	AC 120V 50/60Hz	NCK5-40/3L 120V 50/60Hz	399181
40A	3P	-	AC 240V 50/60Hz	NCK5-40/3L 240V 50/60Hz	399182
40A	3P	-	AC 277V 50/60Hz	NCK5-40/3L 277V 50/60Hz	516852
40A	3P	-	AC 440V 50/60Hz	NCK5-40/3L 440V 50/60Hz	516853
40A	3P	-	AC 480V 50/60Hz	NCK5-40/3L 480V 50/60Hz	516854
40A	3P	-	AC 600V 50/60Hz	NCK5-40/3L 600V 50/60Hz	516855
40A	3P	-	AC 24V 50/60Hz	NCK5-40/3S 24V 50/60Hz	262992
40A	3P	-	AC 120V 50/60Hz	NCK5-40/3S 120V 50/60Hz	263008
40A	3P	-	AC 220V 50/60Hz	NCK5-40/3S 220V 50/60Hz	263018
40A	3P	-	AC 208V ~ 240V 50/60Hz	NCK5-40/3S 208V ~ 240V 50/60Hz	263028
40A	3P	-	AC 277V 50/60Hz	NCK5-40/3S 277V 50/60Hz	516856
40A	3P	-	AC 440V 50/60Hz	NCK5-40/3S 440V 50/60Hz	516857
40A	3P	-	AC 480V 50/60Hz	NCK5-40/3S 480V 50/60Hz	516858
40A	3P	-	AC 600V 50/60Hz	NCK5-40/3S 600V 50/60Hz	516859
40A	4P	-	AC 24V 50/60Hz	NCK5-40/4L 24V 50/60Hz	263033
40A	4P	-	AC 120V 50/60Hz	NCK5-40/4L 120V 50/60Hz	263043
40A	4P	-	AC 220V 50/60Hz	NCK5-40/4L 220V 50/60Hz	263053
40A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-40/4L 208V ~ 240V 50/60Hz	263063
40A	4P	-	AC 277V 50/60Hz	NCK5-40/4L 277V 50/60Hz	516892
40A	4P	-	AC 440V 50/60Hz	NCK5-40/4L 440V 50/60Hz	516893
40A	4P	-	AC 480V 50/60Hz	NCK5-40/4L 480V 50/60Hz	516894
40A	4P	-	AC 600V 50/60Hz	NCK5-40/4L 600V 50/60Hz	516895
40A	4P	-	AC 24V 50/60Hz	NCK5-40/4S 24V 50/60Hz	263038
40A	4P	-	AC 120V 50/60Hz	NCK5-40/4S 120V 50/60Hz	263048
40A	4P	-	AC 220V 50/60Hz	NCK5-40/4S 220V 50/60Hz	263058
40A	4P	-	AC 208V ~ 240V 50/60Hz	NCK5-40/4S 208V ~ 240V 50/60Hz	263068
40A	4P	-	AC 277V 50/60Hz	NCK5-40/4S 277V 50/60Hz	516896
40A	4P	-	AC 440V 50/60Hz	NCK5-40/4S 440V 50/60Hz	516897
40A	4P	-	AC 480V 50/60Hz	NCK5-40/4S 480V 50/60Hz	516898
40A	4P	-	AC 600V 50/60Hz	NCK5-40/4S 600V 50/60Hz	516899



NCH8 Series Modular AC Contactors

1. General

1.1 Electric ratings: up to 20A, 25A, 40A, 63A, 230V, 400V AC50/60Hz;

1.2 Utilization category: AC-1, AC-7a, AC-7b, AC-3;

1.3 Standard: IEC/EN 61095, IEC 60947-4-1

2. Type Designation

N C H 8 - □ / □ □

- Number of normally closed main contact
- Number of normally open main contact
- A rated operational current
- Design serial number
- Household
- AC contactor
- Company code

3. Features

3.1 Compact design and modularization design;

3.2 Insulation material with excellent performances has been adopted to enhance the operation security to a great extent;

3.3 Elegant appearance. A mounting instruction diagram is appended for convenient operation;

3.4 No noise during operation.

3.5 IP20

4. Technical data

4.1 Ratings

Moded	Utilization category	Ui(V)	Ue(V~)	Conventioral heating current(A)	Ie(A)	Controlled power(kW)
NCH8-20/20 NCH8-20/11 NCH8-20/02 NCH8-20/10 NCH8-20/01	AC-1/AC-7a AC-3/AC-7b	500	230	25	20 9	4 1.2
NCH8-20/40 NCH8-20/22 NCH8-20/31	AC-1/AC-7a AC-3/AC-7b	500	400	25	20 9	10 4
NCH8-25/20 NCH8-25/11 NCH8-25/02 NCH8-25/10 NCH8-25/01	AC-1/AC-7a AC-3/AC-7b	500	230	25	25 9	5 1.2
NCH8-25/40 NCH8-25/22 NCH8-25/31	AC-1/AC-7a AC-3/AC-7b	500	400	25	25 9	16 4
NCH8-40/20 NCH8-40/11 NCH8-40/02	AC-1/AC-7a AC-3/AC-7b	500	230	63	40 15	7.5 3
NCH8-63/20 NCH8-63/11 NCH8-63/02	AC-1/AC-7a AC-3/AC-7b	500	230	63	63 20	12 4
NCH8-40/40 NCH8-40/31 NCH8-40/22	AC-1/AC-7a AC-3/AC-7b	500	400	63	20	26 7.5
NCH8-63/40 NCH8-63/31 NCH8-63/22	AC-1/AC-7a AC-3/AC-7b	500	400	63	63 20	40 11

4.2 Action (operation) conditions:

When the ambient air temperature is - 5 ℃ ~ + 40 ℃ , the rated control power supply voltage us is applied to the contactor suction coil, so that when it is heated to a stable state, the contactor can be reliably closed under any voltage within the range of (85% ~ 110%) us. The release voltage is neither higher than 75% us nor less than 20% us.

4.2.1 Agreed operational performance

Utilization category	Making conditionsB			reaking condlitions			Electrifiation time(s)	Interval time(s)	Operating frequency
	I/Ie	U/Ue	COSΦ	Ic/Ie	Ur/Ue	COSΦ			
AC-1	1.0	1.05	0.8	1.0	1.05	0.8	0.05	10	6000
AC-7a	1.0	1.05	0.8	1.0	1.05	0.8	0.05	10	30000
AC-3/AC-7b	6.0	1.0	0.45	1.0	0.17	0.45	0.05	10	30000

4.2.2Making and breaking capacity

Utilization category	Making and breaking conditions			Electrifiation time(s)	Interval time(s)	Operating frequency
	Ic/Ie	Ur/Ue	COSΦ			
AC-1/AC-7a	1.0	1.05	0.8	0.05	10	50
AC-3/AC-7b	8	1.05	0.45	0.05	10	50

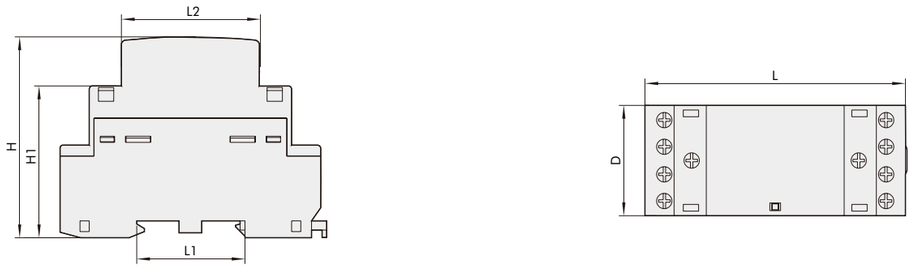
4.3 Conventional heating current under different ambient temperature

Rated current	40	50	60	70
Ie=20A	20A	18A	16A	14A
Ie=25A	25A	22A	18A	16A
Ie=40A	40A	38A	36A	32A
Ie=63A	63A	57A	50A	46A

4.4 Number of appended lamps with voltage up to 230V

Unit power	Tungsten filament and halogen 230V					
	60W	100W	200W	300W	500W	1000W
20A	20	12	6	4	2	1
25A	36	20	11	7	4	2
40A	85	50	25	17	10	5
63A	115	70	35	23	14	7

5. Overall and mounting dimensions (mm)



Model	D		L	L1	L2	H	H1
	2P	4P					
NCH8-20~25	18	36	85	35.5	45	66.5	50
NCH8-40 ~ 36	36	54	85	35.5	45	66.5	50

6. Ordering information

Model	Number of contact	w
NCH8-20	2NO	
NCH8-20	1NO+1NC	
NCH8-20	2NC	
NCH8-20	1NO	
NCH8-20	1NC	
NCH8-20	4NO	
NCH8-20	2NO+2NC	
NCH8-20	3NO+1NC	
NCH8-25	2NO	
NCH8-25	1NO+1NC	
NCH8-25	2NC	
NCH8-25	1NO	
NCH8-25	1NC	
NCH8-25	4NO	24V,220/230V,240V 50/60Hz
NCH8-25	2NO+2NC	
NCH8-25	3NO+1NC	
NCH8-40	4NO	
NCH8-40	3NO+1NC	
NCH8-40	2NO+2NC	
NCH8-40	2NO	
NCH8-40	1NO+1NC	
NCH8-40	2NC	
NCH8-63	4NO	
NCH8-63	3NO+1NC	
NCH8-63	2NO+2NC	
NCH8-63	2NO	
NCH8-63	1NO+1NC	
NCH8-63	2NC	

NCH8	-	20	/	01	220V
Product Series		**Rated Current (AC-7a)**		**Main Contact**	**Control Voltage**
		20: 20A 25: 25A 40: 40A 63: 63A		01: 1P, 1NC contact 10: 1P, 1NO contact 02: 2P, 2NC contacts 20: 2P, 2NO contacts 11: 2P, 1NO+1NC contacts 04: 4P, 4NC contacts 40: 4P, 4NO contacts 22: 4P, 2NO+2NC contacts 31: 4P, 3NO+1NC contacts	24V: AC24V 110V: AC110V 120V: AC120V 220/230V: AC220/230V 240V: AC240V

NCH8 Contactor 20~63A

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	1NC	-	AC 220/230V	NCH8-20/01 220/230V	256245
20A	1NC	-	AC 24V	NCH8-20/01 24V	256246
20A	1NO	-	AC 220/230V	NCH8-20/10 220/230V	256247
20A	1NO	-	AC 24V	NCH8-20/10 24V	256248
20A	2NC	-	AC 220/230V	NCH8-20/02 220/230V	256053
20A	2NC	-	AC 24V	NCH8-20/02 24V	256097
20A	2NC	-	AC 240V	NCH8-20/02 240V	256160
20A	2NO	-	AC 24V	NCH8-20/20 24V	256051
20A	2NO	-	AC 220/230V	NCH8-20/20 220/230V	256054
20A	2NO	-	AC 110V	NCH8-20/20 110V	256104
20A	2NO	-	AC 240V	NCH8-20/20 240V	256158
20A	1NO+1NC	-	AC 220/230V	NCH8-20/11 220/230V	256052
20A	1NO+1NC	-	AC 24V	NCH8-20/11 24V	256063
20A	1NO+1NC	-	AC 240V	NCH8-20/11 240V	256159
20A	1NO+1NC	-	AC 110V	NCH8-20/11 110V	256259
20A	4NO	-	AC 220/230V	NCH8-20/40 220/230V	256085
20A	4NO	-	AC 24V	NCH8-20/40 24V	256086
20A	4NO	-	AC 110V	NCH8-20/40 110V	256107
20A	4NO	-	AC 240V	NCH8-20/40 240V	256152
20A	2NO+2NC	-	AC 220/230V	NCH8-20/22 220/230V	256087
20A	2NO+2NC	-	AC 24V	NCH8-20/22 24V	256088
20A	2NO+2NC	-	AC 240V	NCH8-20/22 240V	256153
20A	3NO+1NC	-	AC 220/230V	NCH8-20/31 220/230V	256175
20A	3NO+1NC	-	AC 24V	NCH8-20/31 24V	256176
25A	1NC	-	AC 220/230V	NCH8-25/01 220/230V	256241
25A	1NC	-	AC 24V	NCH8-25/01 24V	256242
25A	1NO	-	AC 220/230V	NCH8-25/10 220/230V	256243
25A	1NO	-	AC 24V	NCH8-25/10 24V	256244
25A	2NC	-	AC 220/230V	NCH8-25/02 220/230V	256239
25A	2NC	-	AC 24V	NCH8-25/02 24V	256240
25A	2NC	-	AC 240V	NCH8-25/02 240V	266873
25A	2NO	-	AC 220/230V	NCH8-25/20 220/230V	256235
25A	2NO	-	AC 24V	NCH8-25/20 24V	256236
25A	2NO	-	AC 110V	NCH8-25/20 110V	258927
25A	2NO	-	AC 240V	NCH8-25/20 240V	266872
25A	1NO+1NC	-	AC 220/230V	NCH8-25/11 220/230V	256237
25A	1NO+1NC	-	AC 24V	NCH8-25/11 24V	256238
25A	1NO+1NC	-	AC 240V	NCH8-25/11 240V	266871
25A	4NO	-	AC 220/230V	NCH8-25/40 220/230V	256089
25A	4NO	-	AC 24V	NCH8-25/40 24V	256090
25A	4NO	-	AC 110V	NCH8-25/40 110V	256105
25A	4NO	-	AC 240V	NCH8-25/40 240V	256154
25A	2NO+2NC	-	AC 220/230V	NCH8-25/22 220/230V	256091

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	2NO+2NC	-	AC 24V	NCH8-25/22 24V	256092
25A	2NO+2NC	-	AC 240V	NCH8-25/22 240V	256155
25A	3NO+1NC	-	AC 220/230V	NCH8-25/31 220/230V	256173
25A	3NO+1NC	-	AC 24V	NCH8-25/31 24V	256174
40A	2NC	-	AC 220/230V	NCH8-40/02 220/230V	256209
40A	2NC	-	AC 24V	NCH8-40/02 24V	256210
40A	2NO	-	AC 220/230V	NCH8-40/20 220/230V	256081
40A	2NO	-	AC 24V	NCH8-40/20 24V	256082
40A	2NO	-	AC 110V	NCH8-40/20 110V	256106
40A	2NO	-	AC 240V	NCH8-40/20 240V	256148
40A	1NO+1NC	-	AC 220/230V	NCH8-40/11 220/230V	256083
40A	1NO+1NC	-	AC 24V	NCH8-40/11 24V	256084
40A	1NO+1NC	-	AC 240V	NCH8-40/11 240V	256149
40A	4NO	-	AC 24V	NCH8-40/40 24V	256098
40A	4NO	-	AC 220/230V	NCH8-40/40 220/230V	256099
40A	4NO	-	AC 240V	NCH8-40/40 240V	256161
40A	2NO+2NC	-	AC 220/230V	NCH8-40/22 220/230V	256215
40A	2NO+2NC	-	AC 24V	NCH8-40/22 24V	256216
40A	3NO+1NC	-	AC 220/230V	NCH8-40/31 220/230V	256213
40A	3NO+1NC	-	AC 24V	NCH8-40/31 24V	256214
63A	2NC	-	AC 220/230V	NCH8-63/02 220/230V	256211
63A	2NC	-	AC 24V	NCH8-63/02 24V	256212
63A	2NC	-	AC 240V	NCH8-63/02 240V	332525
63A	2NO	-	AC 220/230V	NCH8-63/20 220/230V	256093
63A	2NO	-	AC 24V	NCH8-63/20 24V	256094
63A	2NO	-	AC 110V	NCH8-63/20 110V	256108
63A	2NO	-	AC 240V	NCH8-63/20 240V	256150
63A	1NO+1NC	-	AC 220/230V	NCH8-63/11 220/230V	256095
63A	1NO+1NC	-	AC 24V	NCH8-63/11 24V	256096
63A	1NO+1NC	-	AC 240V	NCH8-63/11 240V	256151
63A	4NO	-	AC 24V	NCH8-63/40 24V	256100
63A	4NO	-	AC 220/230V	NCH8-63/40 220/230V	256101
63A	4NO	-	AC 240V	NCH8-63/40 240V	256162
63A	2NO+2NC	-	AC 220/230V	NCH8-63/22 220/230V	256219
63A	2NO+2NC	-	AC 24V	NCH8-63/22 24V	256220
63A	2NO+2NC	-	AC 240V	NCH8-63/22 240V	332526
63A	3NO+1NC	-	AC 220/230V	NCH8-63/31 220/230V	256217
63A	3NO+1NC	-	AC 24V	NCH8-63/31 24V	256218



NCH8-M
Series Modular AC Contactors with Manual Operation

1. The purpose of use

1.1 NCH8- □ M series Manual Modular AC contactor(here inafter referred as contactor)is mainly used in power systems with AC 50Hz/60Hz,rated operating voltage up to 400V and rated operating current up to 63A.It is used as remote or manual switch for circuit control under AC-7b and AC-7a(non-inductive load or low-inductive load/ resistance furmace,domestic appliance and low-inductive load of similar applications)application category.The contactor shall not be used for breaking short-circuit current,therefore it should be used with a proper short-circuit protection device.

1.2 Standard: IEC/EN 61095, GB/T 17885

2. Type Designation

N CH 8 - □ M/ □ □ □

- frequency:50/60Hz
- Rated control power voltage Us(V): AC24V AC110V AC220-240V
- Number main contact: 11:1NO+1NC 02:2NC 20:2NO 40:4NO 22:2NO+2NC 04:4NC 31:3NO+1NC
- Modular contactor with Manual operation
- Rated operating current(A): 16/20/25/32/40/63
- Design serial number
- Modular contactor with Manual operation
- Enterprise characteristics code

AX -11 / □

- Auxiliary contact
- Design serial number
- Auxiliary contact group:11:1NO+1NC 20:2NO

Note: Auxiliary contacts are optional accessories (not standard accessories).

3. Regular Operating Conditions

3.1 Ambient temperature:-25℃ ~+70℃

3.2 Humidity: Relative humidity <50% at +40℃ ; up to 90% at+20℃

3.3 Altitude:<2000m

3.4 Pollution class: Class2

3.5 Installation category: Class I

3.6 Protection class: IP20

3.7 Installation conditions: Vertical installation; the inclination of the installation surface to any direction should not exceed 5; TH35-7.5 steel mounting rails should be used for installation.

3.8 Operation conditions: Pickup voltage:(85%~110%) Us; release voltage:(20%~75%) Us

4. Main Technical Parameters

4.1 Parameters for NCH8-M

Table 1 Main Technical Parameters

Model			**16A**	**20A**	**25A**	**32A**	**40A**	**63A**
Rated current In(A)	AC-7a		16	20	25	32	40	63
	AC-7b		6	7	9	12	18	25
Conventional thermal current Ith(A)			25	25	25	63	63	63
Rated insulation voltage Ui(V)			500					
Rated operating Rated Ue(V)			250V(2P),400V(4P)					
Number of main contacts	2P		1NO1NC,2NO,2NC					
	4P		2NO 2NC,3NO 1NC,4NO,4NC					
Product power(230V)	2P	Release	2.8VA	2.8VA	2.8VA	4.1VA	4.1VA	4.1VA
		Operating	11.5VA	11.5VA	11.5VA	31VA	31VA	31VA
	4P	Release	4.1VA	4.1VA	4.1VA	7VA	7VA	7VA
		Operating	31VA	31VA	31VA	48VA	48VA	48VA
Control power(kW)	AC-7a	250V	3.5	4.5	5.5	8	9	14
		400V	6	7.5	9.5	12	15	24
	AC-7b	250V	1.4	1.6	2	3	4	5.5
		400V	2.2	2.5	3.2	4.5	6	8
Electrical life(times)			8×10^4					
Mechanical life(times)			100×10^4					
Rated control power voltage Us (V)			AC24V,AC110V,AC220-240V					
Rated duty system	Intermittent		30 times/h load factor 40%					
	Eight hours		Basic duty system					
Wiring(mm2)	Control circuit	Hard wire	(1.5~2.5)mm2, strip length 9mm					
		Flexible wire	(1.5~6)mm2, strip length 9mm					
	Power circuit	Hard wire	(1.5~4)mm2, strip length 9mm			(6~16)mm2, strip length 14mm		
		Flexible wire	1.5~4			6~16		
Torque(N.m)	Control circuit		0.8					
	Power circuit		0.8			3.5		

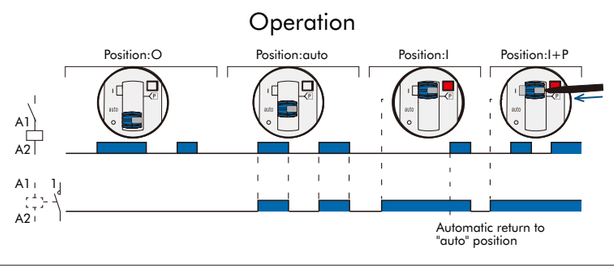
4.2 Parameters for AX-11 auxiliary contact

Model		**AX-11**
Rated insulation voltage Ui		500V
Rated impulse voltage Uimp		4kV
Usage category	AC-12	240V/5A
	AC-15	230V/2A
	DC-13	130V/1A
Wiring	Flexible wire	(1.5~6)mm2, strip length 9mm, torque 0.8N.m
	Hard wire	(1.5~6)mm2, strip length 9mm, torque 0.8N.m

5. Structure and Operation Principles

When the handle is moved to the "O"position, the control power on/off, contactor does not act; when the handle is in the "auto" position, the contactor switch on/off is control by control power on/off just like the normal contactor; when the handle is moved to the "I" position, the contactor switch on immediately, and the handle automatically returns to the "auto"position after the control power from off to on; when the handle is in the "I"position, use a screwdriver to push out the white pin key at "P"position, the contactor is switch on and not acted by the control power on/off.

Figure 1 Manual Operation Diagram



6. Outline and Installation Dimensions

Unit:mm

Figure2 NCH8-16M,NCH8-20M,NCH8-25M

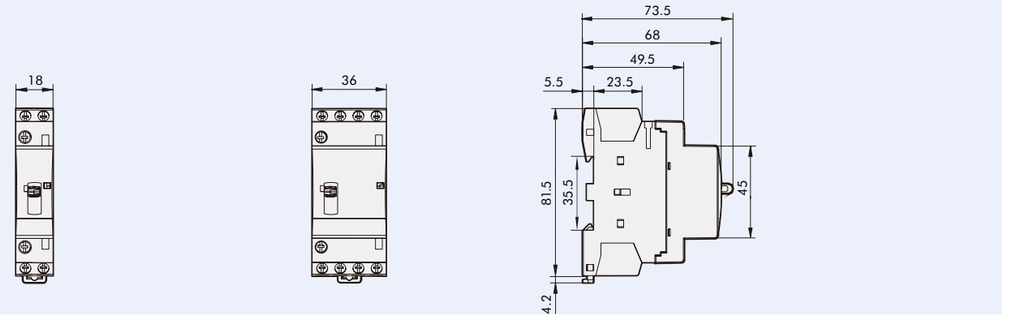


Figure 3 NCH8-32M,NCH8-40M,NCH8-63M

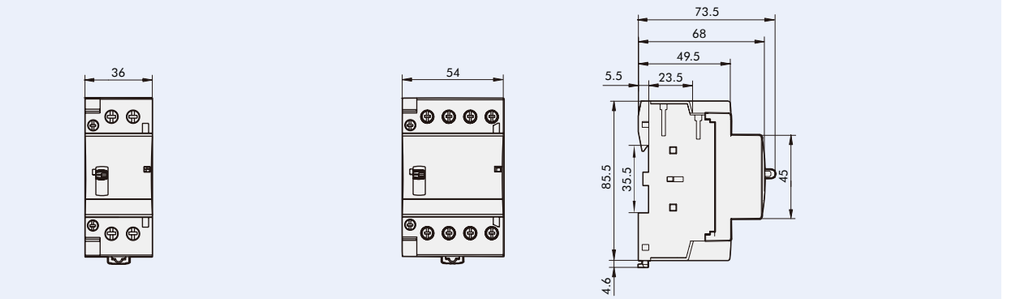


Figure 4AX-11

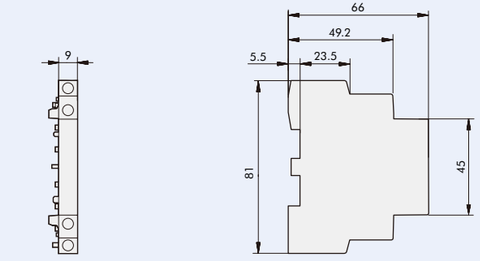
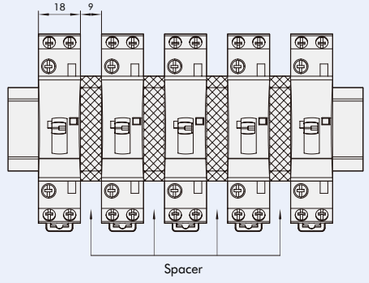


Figure 5 Installation



Note:When the contactors, or contactor and MCB are installed together, a spacer must be installed, or keep a 9mm gap between them, to facilitate the heat dissipation. when the temperature inside the box exceeds 40℃ , the contactor should be derated to use.

7. Ordering instructions

During product further, the user shall specify the following contents,if necessary,application conditions or requirements shall be urther specified:
Product name & type
Ratad operating current
Number of poles of main contact
Rated control power voltage & frequency

NCH8	-	20	M	/	01	AC110V	50/60Hz
Product Series		**Rated Current (AC-7a)**	**Manual Operating**		**Main Contact**	**Control Voltage**	**Frequency**
		16: 16A 20: 20A 25: 25A 32: 32A 40: 40A 63: 63A			02: 2P, 2NC contacts 20: 2P, 2NO contacts 11: 2P, 1NO+1NC contacts 04: 4P, 4NC contacts 40: 4P, 4NO contacts 22: 4P, 2NO+2NC contacts 31: 4P, 3NO+1NC contacts	AC24V: AC24V AC110V: AC110V AC220~240V: AC220~240V	50/60Hz

NCH8-M Contactor 16~63A

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
16A	2NO	-	AC 24V 50/60Hz	NCH8-16M/20 AC24V 50/60Hz	257398
16A	2NO	-	AC 110V 50/60Hz	NCH8-16M/20 AC110V 50/60Hz	257399
16A	2NO	-	AC 220-240V 50/60Hz	NCH8-16M/20 AC220-240V 50/60Hz	257400
16A	1NO+1NC	-	AC 24V 50/60Hz	NCH8-16M/11 AC24V 50/60Hz	257401
16A	1NO+1NC	-	AC 110V 50/60Hz	NCH8-16M/11 AC110V 50/60Hz	257402
16A	1NO+1NC	-	AC 220-240V 50/60Hz	NCH8-16M/11 AC220-240V 50/60Hz	257403
16A	2NC	-	AC 24V 50/60Hz	NCH8-16M/02 AC24V 50/60Hz	257404
16A	2NC	-	AC 110V 50/60Hz	NCH8-16M/02 AC110V 50/60Hz	257405
16A	2NC	-	AC 220-240V 50/60Hz	NCH8-16M/02 AC220-240V 50/60Hz	257406
16A	4NO	-	AC 24V 50/60Hz	NCH8-16M/40 AC24V 50/60Hz	257452
16A	4NO	-	AC 110V 50/60Hz	NCH8-16M/40 AC110V 50/60Hz	257453
16A	4NO	-	AC 220-240V 50/60Hz	NCH8-16M/40 AC220-240V 50/60Hz	257454
16A	2NO+2NC	-	AC 24V 50/60Hz	NCH8-16M/22 AC24V 50/60Hz	257455
16A	2NO+2NC	-	AC 110V 50/60Hz	NCH8-16M/22 AC110V 50/60Hz	257456
16A	2NO+2NC	-	AC 220-240V 50/60Hz	NCH8-16M/22 AC220-240V 50/60Hz	257457
16A	4NC	-	AC 24V 50/60Hz	NCH8-16M/04 AC24V 50/60Hz	257458
16A	4NC	-	AC 110V 50/60Hz	NCH8-16M/04 AC110V 50/60Hz	257459
16A	4NC	-	AC 220-240V 50/60Hz	NCH8-16M/04 AC220-240V 50/60Hz	257460
16A	3NO+1NC	-	AC 24V 50/60Hz	NCH8-16M/31 AC24V 50/60Hz	257461
16A	3NO+1NC	-	AC 110V 50/60Hz	NCH8-16M/31 AC110V 50/60Hz	257462
16A	3NO+1NC	-	AC 220-240V 50/60Hz	NCH8-16M/31 AC220-240V 50/60Hz	257463
20A	2NO	-	AC 24V 50/60Hz	NCH8-20M/20 AC24V 50/60Hz	257407
20A	2NO	-	AC 110V 50/60Hz	NCH8-20M/20 AC110V 50/60Hz	257408
20A	2NO	-	AC 220-240V 50/60Hz	NCH8-20M/20 AC220-240V 50/60Hz	257409
20A	1NO+1NC	-	AC 24V 50/60Hz	NCH8-20M/11 AC24V 50/60Hz	257410
20A	1NO+1NC	-	AC 110V 50/60Hz	NCH8-20M/11 AC110V 50/60Hz	257411
20A	1NO+1NC	-	AC 220-240V 50/60Hz	NCH8-20M/11 AC220-240V 50/60Hz	257412
20A	2NC	-	AC 24V 50/60Hz	NCH8-20M/02 AC24V 50/60Hz	257413
20A	2NC	-	AC 110V 50/60Hz	NCH8-20M/02 AC110V 50/60Hz	257414
20A	2NC	-	AC 220-240V 50/60Hz	NCH8-20M/02 AC220-240V 50/60Hz	257415
20A	4NO	-	AC 24V 50/60Hz	NCH8-20M/40 AC24V 50/60Hz	257464
20A	4NO	-	AC 110V 50/60Hz	NCH8-20M/40 AC110V 50/60Hz	257465
20A	4NO	-	AC 220-240V 50/60Hz	NCH8-20M/40 AC220-240V 50/60Hz	257466
20A	2NO+2NC	-	AC 24V 50/60Hz	NCH8-20M/22 AC24V 50/60Hz	257467
20A	2NO+2NC	-	AC 110V 50/60Hz	NCH8-20M/22 AC110V 50/60Hz	257468
20A	2NO+2NC	-	AC 220-240V 50/60Hz	NCH8-20M/22 AC220-240V 50/60Hz	257469
20A	4NC	-	AC 24V 50/60Hz	NCH8-20M/04 AC24V 50/60Hz	257470
20A	4NC	-	AC 110V 50/60Hz	NCH8-20M/04 AC110V 50/60Hz	257471
20A	4NC	-	AC 220-240V 50/60Hz	NCH8-20M/04 AC220-240V 50/60Hz	257472
20A	3NO+1NC	-	AC 24V 50/60Hz	NCH8-20M/31 AC24V 50/60Hz	257473
20A	3NO+1NC	-	AC 110V 50/60Hz	NCH8-20M/31 AC110V 50/60Hz	257474
20A	3NO+1NC	-	AC 220-240V 50/60Hz	NCH8-20M/31 AC220-240V 50/60Hz	257475
25A	2NO	-	AC 24V 50/60Hz	NCH8-25M/20 AC24V 50/60Hz (R)	257416
25A	2NO	-	AC 110V 50/60Hz	NCH8-25M/20 AC110V 50/60Hz (R)	257417
25A	2NO	-	AC 220-240V 50/60Hz	NCH8-25M/20 AC220-240V 50/60Hz (R)	257418
25A	1NO+1NC	-	AC 24V 50/60Hz	NCH8-25M/11 AC24V 50/60Hz (R)	257419
25A	1NO+1NC	-	AC 110V 50/60Hz	NCH8-25M/11 AC110V 50/60Hz (R)	257420
25A	1NO+1NC	-	AC 220-240V 50/60Hz	NCH8-25M/11 AC220-240V 50/60Hz (R)	257421
25A	2NC	-	AC 24V 50/60Hz	NCH8-25M/02 AC24V 50/60Hz (R)	257422
25A	2NC	-	AC 110V 50/60Hz	NCH8-25M/02 AC110V 50/60Hz (R)	257423
25A	2NC	-	AC 220-240V 50/60Hz	NCH8-25M/02 AC220-240V 50/60Hz (R)	257424
25A	4NO	-	AC 24V 50/60Hz	NCH8-25M/40 AC24V 50/60Hz (R)	257476
25A	4NO	-	AC 110V 50/60Hz	NCH8-25M/40 AC110V 50/60Hz (R)	257477
25A	4NO	-	AC 220-240V 50/60Hz	NCH8-25M/40 AC220-240V 50/60Hz (R)	257478
25A	2NO+2NC	-	AC 24V 50/60Hz	NCH8-25M/22 AC24V 50/60Hz (R)	257479
25A	2NO+2NC	-	AC 110V 50/60Hz	NCH8-25M/22 AC110V 50/60Hz (R)	257480
25A	2NO+2NC	-	AC 220-240V 50/60Hz	NCH8-25M/22 AC220-240V 50/60Hz (R)	257481
25A	4NC	-	AC 24V 50/60Hz	NCH8-25M/04 AC24V 50/60Hz (R)	257482
25A	4NC	-	AC 110V 50/60Hz	NCH8-25M/04 AC110V 50/60Hz (R)	257483
25A	4NC	-	AC 220-240V 50/60Hz	NCH8-25M/04 AC220-240V 50/60Hz (R)	257484
25A	3NO+1NC	-	AC 24V 50/60Hz	NCH8-25M/31 AC24V 50/60Hz (R)	257485
25A	3NO+1NC	-	AC 110V 50/60Hz	NCH8-25M/31 AC110V 50/60Hz (R)	257486
25A	3NO+1NC	-	AC 220-240V 50/60Hz	NCH8-25M/31 AC220-240V 50/60Hz (R)	257487
32A	2NO	-	AC 24V 50/60Hz	NCH8-32M/20 AC24V 50/60Hz (R)	257425
32A	2NO	-	AC 110V 50/60Hz	NCH8-32M/20 AC110V 50/60Hz (R)	257426
32A	2NO	-	AC 220-240V 50/60Hz	NCH8-32M/20 AC220-240V 50/60Hz (R)	257427
32A	1NO+1NC	-	AC 24V 50/60Hz	NCH8-32M/11 AC24V 50/60Hz (R)	257428
32A	1NO+1NC	-	AC 110V 50/60Hz	NCH8-32M/11 AC110V 50/60Hz (R)	257429
32A	1NO+1NC	-	AC 220-240V 50/60Hz	NCH8-32M/11 AC220-240V 50/60Hz (R)	257430
32A	2NC	-	AC 24V 50/60Hz	NCH8-32M/02 AC24V 50/60Hz (R)	257431
32A	2NC	-	AC 110V 50/60Hz	NCH8-32M/02 AC110V 50/60Hz (R)	257432
32A	2NC	-	AC 220-240V 50/60Hz	NCH8-32M/02 AC220-240V 50/60Hz (R)	257433
32A	4NO	-	AC 24V 50/60Hz	NCH8-32M/40 AC24V 50/60Hz (R)	257488
32A	4NO	-	AC 110V 50/60Hz	NCH8-32M/40 AC110V 50/60Hz (R)	257489
32A	4NO	-	AC 220-240V 50/60Hz	NCH8-32M/40 AC220-240V 50/60Hz (R)	257490
32A	2NO+2NC	-	AC 24V 50/60Hz	NCH8-32M/22 AC24V 50/60Hz (R)	257491
32A	2NO+2NC	-	AC 110V 50/60Hz	NCH8-32M/22 AC110V 50/60Hz (R)	257492
32A	2NO+2NC	-	AC 220-240V 50/60Hz	NCH8-32M/22 AC220-240V 50/60Hz (R)	257493
32A	4NC	-	AC 24V 50/60Hz	NCH8-32M/04 AC24V 50/60Hz (R)	257494
32A	4NC	-	AC 110V 50/60Hz	NCH8-32M/04 AC110V 50/60Hz (R)	257495
32A	4NC	-	AC 220-240V 50/60Hz	NCH8-32M/04 AC220-240V 50/60Hz (R)	257496
32A	3NO+1NC	-	AC 24V 50/60Hz	NCH8-32M/31 AC24V 50/60Hz (R)	257497
32A	3NO+1NC	-	AC 110V 50/60Hz	NCH8-32M/31 AC110V 50/60Hz (R)	257498
32A	3NO+1NC	-	AC 220-240V 50/60Hz	NCH8-32M/31 AC220-240V 50/60Hz (R)	257499

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	2NO	-	AC 24V 50/60Hz	NCH8-40M/20 AC24V 50/60Hz (R)	257434
40A	2NO	-	AC 110V 50/60Hz	NCH8-40M/20 AC110V 50/60Hz (R)	257435
40A	2NO	-	AC 220-240V 50/60Hz	NCH8-40M/20 AC220-240V 50/60Hz (R)	257436
40A	1NO+1NC	-	AC 24V 50/60Hz	NCH8-40M/11 AC24V 50/60Hz (R)	257437
40A	1NO+1NC	-	AC 110V 50/60Hz	NCH8-40M/11 AC110V 50/60Hz (R)	257438
40A	1NO+1NC	-	AC 220-240V 50/60Hz	NCH8-40M/11 AC220-240V 50/60Hz (R)	257439
40A	2NC	-	AC 24V 50/60Hz	NCH8-40M/02 AC24V 50/60Hz (R)	257440
40A	2NC	-	AC 110V 50/60Hz	NCH8-40M/02 AC110V 50/60Hz (R)	257441
40A	2NC	-	AC 220-240V 50/60Hz	NCH8-40M/02 AC220-240V 50/60Hz (R)	257442
40A	4NO	-	AC 24V 50/60Hz	NCH8-40M/40 AC24V 50/60Hz (R)	257500
40A	4NO	-	AC 110V 50/60Hz	NCH8-40M/40 AC110V 50/60Hz (R)	257501
40A	4NO	-	AC 220-240V 50/60Hz	NCH8-40M/40 AC220-240V 50/60Hz (R)	257502
40A	2NO+2NC	-	AC 24V 50/60Hz	NCH8-40M/22 AC24V 50/60Hz (R)	257503
40A	2NO+2NC	-	AC 110V 50/60Hz	NCH8-40M/22 AC110V 50/60Hz (R)	257504
40A	2NO+2NC	-	AC 220-240V 50/60Hz	NCH8-40M/22 AC220-240V 50/60Hz (R)	257505
40A	4NC	-	AC 24V 50/60Hz	NCH8-40M/04 AC24V 50/60Hz (R)	257506
40A	4NC	-	AC 110V 50/60Hz	NCH8-40M/04 AC110V 50/60Hz (R)	257507
40A	4NC	-	AC 220-240V 50/60Hz	NCH8-40M/04 AC220-240V 50/60Hz (R)	257508
40A	3NO+1NC	-	AC 24V 50/60Hz	NCH8-40M/31 AC24V 50/60Hz (R)	257509
40A	3NO+1NC	-	AC 110V 50/60Hz	NCH8-40M/31 AC110V 50/60Hz (R)	257510
40A	3NO+1NC	-	AC 220-240V 50/60Hz	NCH8-40M/31 AC220-240V 50/60Hz (R)	257511
63A	2NO	-	AC 24V 50/60Hz	NCH8-63M/20 AC24V 50/60Hz (R)	257443
63A	2NO	-	AC 110V 50/60Hz	NCH8-63M/20 AC110V 50/60Hz (R)	257444
63A	2NO	-	AC 220-240V 50/60Hz	NCH8-63M/20 AC220-240V 50/60Hz (R)	257445
63A	1NO+1NC	-	AC 24V 50/60Hz	NCH8-63M/11 AC24V 50/60Hz (R)	257446
63A	1NO+1NC	-	AC 110V 50/60Hz	NCH8-63M/11 AC110V 50/60Hz (R)	257447
63A	1NO+1NC	-	AC 220-240V 50/60Hz	NCH8-63M/11 AC220-240V 50/60Hz (R)	257448
63A	2NC	-	AC 24V 50/60Hz	NCH8-63M/02 AC24V 50/60Hz (R)	257449
63A	2NC	-	AC 110V 50/60Hz	NCH8-63M/02 AC110V 50/60Hz (R)	257450
63A	2NC	-	AC 220-240V 50/60Hz	NCH8-63M/02 AC220-240V 50/60Hz (R)	257451
63A	4NO	-	AC 24V 50/60Hz	NCH8-63M/40 AC24V 50/60Hz (R)	257512
63A	4NO	-	AC 110V 50/60Hz	NCH8-63M/40 AC110V 50/60Hz (R)	257513
63A	4NO	-	AC 220-240V 50/60Hz	NCH8-63M/40 AC220-240V 50/60Hz (R)	257514
63A	2NO+2NC	-	AC 24V 50/60Hz	NCH8-63M/22 AC24V 50/60Hz (R)	257515
63A	2NO+2NC	-	AC 110V 50/60Hz	NCH8-63M/22 AC110V 50/60Hz (R)	257516
63A	2NO+2NC	-	AC 220-240V 50/60Hz	NCH8-63M/22 AC220-240V 50/60Hz (R)	257517
63A	4NC	-	AC 24V 50/60Hz	NCH8-63M/04 AC24V 50/60Hz (R)	257518
63A	4NC	-	AC 110V 50/60Hz	NCH8-63M/04 AC110V 50/60Hz (R)	257519
63A	4NC	-	AC 220-240V 50/60Hz	NCH8-63M/04 AC220-240V 50/60Hz (R)	257520
63A	3NO+1NC	-	AC 24V 50/60Hz	NCH8-63M/31 AC24V 50/60Hz (R)	257521
63A	3NO+1NC	-	AC 110V 50/60Hz	NCH8-63M/31 AC110V 50/60Hz (R)	257522
63A	3NO+1NC	-	AC 220-240V 50/60Hz	NCH8-63M/31 AC220-240V 50/60Hz (R)	257523



NCH8-Z
Series Modular AC Contactors with AC/DC Coil

1. The purpose of use

1.1 NCH8-□Z series Modular AC contactor (hereinafter referred as contactor) is mainly used for circuits with AC 50Hz (or 60Hz) and rated working voltage up to 400V and rated working current up to 63A, controlling low inductance and micro inductive loads for household appliances and similar purposes; It can also be used to control the load of household electric motors, and the control power should be correspondingly reduced.

The product is applied in homes, hotels, apartments, and other places to achieve automation functions, and is applied to large-scale production of household electrical products.

1.2 Standard: Contactors comply with IEC/EN 61095, IEC/EN 60947-4-1, IEC/EN 60947-5-1

2. Type Designation

N CH 8 - □ Z/ □ □

- Rated control power voltage Us (V): AC/DC230V, 48V,24V ,12V
- Main contact pole number:
  10: 1NO 01: 1NC
  11: 1NO+1NC 02: 2NC 20: 2NO
  30: 3NO 03: 3NC
  40: 4NO 22: 2NO+2NC 04: 4NC
  31: 3NO+1NC
- DC coil
- Rated operating current (A): 16/20/25/32/40/63
- Design serial number
- Modular contactor
- Enterprise characteristics code

AX -13 / □

- Auxiliary contact: 11:1NO+1NC 20:2NO
- Design serial number
- Auxiliary contact group: 11: 1NO+1NC 20: 2NO

Note: Auxiliary contacts are optional accessories (not standard accessories).

3. Regular Operating Conditions

3.1 Ambient temperature: -5℃~+40℃

3.2 Humidity : Relative humidity < 50% at +40℃; up to 90% at +20℃

3.3 Altitude: < 2000m

3.4 Pollution class: Class 2

3.5 Installation category: Class Ⅱ

3.6 Protection class: IP20

3.7 Installation conditions: Vertical installation; the inclination of the installation surface to any direction should not exceed 5°; TH35-7.5 steel mounting rails should be used for installation.

3.8 Operation conditions: Pickup voltage: (85%~110%) Us; release voltage: (20%~75%) Us

4. Main Technical Parameters

Model			16A	20A	25A	32A	40A	63A
Rated current In (A)	AC-7a/AC-1		16	20	25	32	40	63
	AC-7b/AC-3		6	7	9	12	18	25
Conventional thermal current Ith (A)			32	32	32	32	63	63
Rated insulation voltage Ui (V)			500					
Rated operating Rated Ue (V)			250V (2P), 400V(4P)					
Number of main contacts	2P width		1NO, 1NC, 1NO1NC, 2NO, 2NC					
	4P width		3NO, 3NC, 2NO2NC, 3NO1NC, 4NO, 4NC					
Control power (kW)	AC-7a/AC-1	250V	3.5	4.5	5.5	8	9	14
		400V	6	7.5	9.5	12	15	24
	AC-7b/AC-3	250V	1.4	1.6	2	3	4	5.5
		400V	2.2	2.5	3.2	4.5	6	8
Electrical life (times)			10×10^4					
Mechanical life (times)			100×10^4					
Rated control power voltage Us (V)			AC/DC12V, 24V, 48V, 110V, 230V					
Rated duty system	Intermittent		30 times/h load factor 40%					
	Eight hours		Basic duty system					
Wiring (mm2)	Control circuit	Hard wire	1.5~2.5			2×1.5		
		Flexible wire	1.5~2.5			2×2.5		
	Power circuit	Hard wire	1.5~6			6~25		
		Flexible wire	1.5~4			6~16		
Torque (N.m)	Control circuit		0.8					
	Power circuit		0.8			3.5		

5. Auxiliary Contact

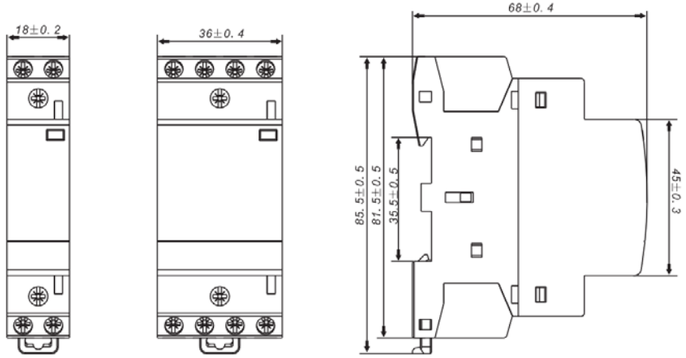
Model	AC-12		AC-15		DC-13	
	Voltage	Current	Voltage	Current	Voltage	Current
AX-13/11	240V	5A	230V	2A	DC 130V	1A
AX-13/20	240V	5A	230V	2A	DC 130V	1A



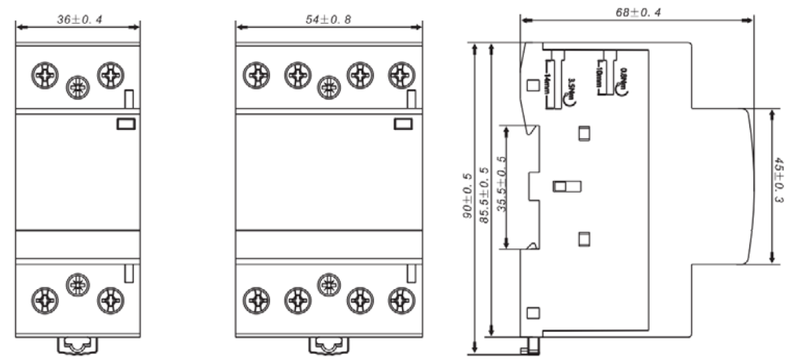
6. Outline and Installation Dimensions

Unit: mm

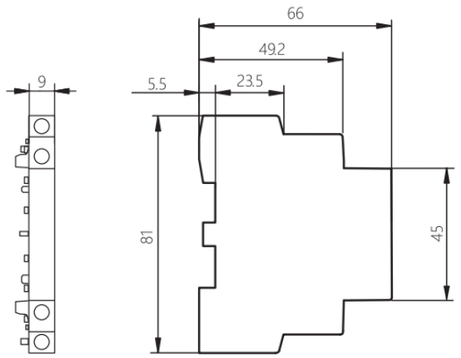
NCH8-16Z, NCH8-20Z, NCH8-25Z, nch8-32Z



NCH8-40Z, NCH8-63Z



AX-13/11, AX-13/20



NCH8	-	20	Z	/	01	AC/DC24V
Product Series		**Rated Current (AC-7a)**	**AC/DC Coil**		**Main Contact**	**Control Voltage**
		16: 16A 20: 20A 25: 25A 32: 32A 40: 40A 63: 63A			01: 1P, 1NC contact 10: 1P, 1NO contact 02: 2P, 2NC contacts 20: 2P, 2NO contacts 11: 2P, 1NO+1NC contacts 03: 3P, 3NC contacts 30: 3P, 3NO contacts 04: 4P, 4NC contacts 40: 4P, 4NO contacts 22: 4P, 2NO+2NC contacts 31: 4P, 3NO+1NC contacts	AC/DC12V: AC/DC12V AC/DC24V: AC/DC24V AC/DC48V: AC/DC48V AC/DC110V: AC/DC110V AC/DC230V: AC/DC230V

NCH8-Z Contactor 16~63A

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
16A	1NO	-	AC/DC 230V	NCH8-16Z/10 AC/DC 230V	438821
16A	1NO	-	AC/DC 110V	NCH8-16Z/10 AC/DC 110V	438822
16A	1NO	-	AC/DC 48V	NCH8-16Z/10 AC/DC 48V	438823
16A	1NO	-	AC/DC 24V	NCH8-16Z/10 AC/DC 24V	438824
16A	1NO	-	AC/DC 12V	NCH8-16Z/10 AC/DC 12V	438825
16A	1NC	-	AC/DC 230V	NCH8-16Z/01 AC/DC 230V	438826
16A	1NC	-	AC/DC 110V	NCH8-16Z/01 AC/DC 110V	438827
16A	1NC	-	AC/DC 48V	NCH8-16Z/01 AC/DC 48V	438828
16A	1NC	-	AC/DC 24V	NCH8-16Z/01 AC/DC 24V	438829
16A	1NC	-	AC/DC 12V	NCH8-16Z/01 AC/DC 12V	438830
16A	2NO	-	AC/DC 230V	NCH8-16Z/20 AC/DC 230V	438831
16A	2NO	-	AC/DC 110V	NCH8-16Z/20 AC/DC 110V	438832
16A	2NO	-	AC/DC 48V	NCH8-16Z/20 AC/DC 48V	438833
16A	2NO	-	AC/DC 24V	NCH8-16Z/20 AC/DC 24V	438834
16A	2NO	-	AC/DC 12V	NCH8-16Z/20 AC/DC 12V	438835
16A	2NC	-	AC/DC 230V	NCH8-16Z/02 AC/DC 230V	438836
16A	2NC	-	AC/DC 110V	NCH8-16Z/02 AC/DC 110V	438837
16A	2NC	-	AC/DC 48V	NCH8-16Z/02 AC/DC 48V	438838
16A	2NC	-	AC/DC 24V	NCH8-16Z/02 AC/DC 24V	438839
16A	2NC	-	AC/DC 12V	NCH8-16Z/02 AC/DC 12V	438840
16A	1NO+1NC	-	AC/DC 230V	NCH8-16Z/11 AC/DC 230V	438841
16A	1NO+1NC	-	AC/DC 110V	NCH8-16Z/11 AC/DC 110V	438842
16A	1NO+1NC	-	AC/DC 48V	NCH8-16Z/11 AC/DC 48V	438843
16A	1NO+1NC	-	AC/DC 24V	NCH8-16Z/11 AC/DC 24V	438844
16A	1NO+1NC	-	AC/DC 12V	NCH8-16Z/11 AC/DC 12V	438845
16A	3NO	-	AC/DC 230V	NCH8-16Z/30 AC/DC 230V	438921
16A	3NO	-	AC/DC 110V	NCH8-16Z/30 AC/DC 110V	438922
16A	3NO	-	AC/DC 48V	NCH8-16Z/30 AC/DC 48V	438923
16A	3NO	-	AC/DC 24V	NCH8-16Z/30 AC/DC 24V	438924
16A	3NO	-	AC/DC 12V	NCH8-16Z/30 AC/DC 12V	438925
16A	3NC	-	AC/DC 230V	NCH8-16Z/03 AC/DC 230V	438926
16A	3NC	-	AC/DC 110V	NCH8-16Z/03 AC/DC 110V	438927
16A	3NC	-	AC/DC 48V	NCH8-16Z/03 AC/DC 48V	438928
16A	3NC	-	AC/DC 24V	NCH8-16Z/03 AC/DC 24V	438929
16A	3NC	-	AC/DC 12V	NCH8-16Z/03 AC/DC 12V	438930
16A	4NO	-	AC/DC 230V	NCH8-16Z/40 AC/DC 230V	438931
16A	4NO	-	AC/DC 110V	NCH8-16Z/40 AC/DC 110V	438932
16A	4NO	-	AC/DC 48V	NCH8-16Z/40 AC/DC 48V	438933
16A	4NO	-	AC/DC 24V	NCH8-16Z/40 AC/DC 24V	438934
16A	4NO	-	AC/DC 12V	NCH8-16Z/40 AC/DC 12V	438935
16A	4NC	-	AC/DC 230V	NCH8-16Z/04 AC/DC 230V	438936
16A	4NC	-	AC/DC 110V	NCH8-16Z/04 AC/DC 110V	438937
16A	4NC	-	AC/DC 48V	NCH8-16Z/04 AC/DC 48V	438938
16A	4NC	-	AC/DC 24V	NCH8-16Z/04 AC/DC 24V	438939
16A	4NC	-	AC/DC 12V	NCH8-16Z/04 AC/DC 12V	438940
16A	2NO+2NC	-	AC/DC 230V	NCH8-16Z/22 AC/DC 230V	438941
16A	2NO+2NC	-	AC/DC 110V	NCH8-16Z/22 AC/DC 110V	438942
16A	2NO+2NC	-	AC/DC 48V	NCH8-16Z/22 AC/DC 48V	438943
16A	2NO+2NC	-	AC/DC 24V	NCH8-16Z/22 AC/DC 24V	438944
16A	2NO+2NC	-	AC/DC 12V	NCH8-16Z/22 AC/DC 12V	438945
16A	3NO+1NC	-	AC/DC 230V	NCH8-16Z/31 AC/DC 230V	438946
16A	3NO+1NC	-	AC/DC 110V	NCH8-16Z/31 AC/DC 110V	438947
16A	3NO+1NC	-	AC/DC 48V	NCH8-16Z/31 AC/DC 48V	438948
16A	3NO+1NC	-	AC/DC 24V	NCH8-16Z/31 AC/DC 24V	438949
16A	3NO+1NC	-	AC/DC 12V	NCH8-16Z/31 AC/DC 12V	438950
20A	1NO	-	AC/DC 230V	NCH8-20Z/10 AC/DC 230V	438846
20A	1NO	-	AC/DC 110V	NCH8-20Z/10 AC/DC 110V	438847
20A	1NO	-	AC/DC 48V	NCH8-20Z/10 AC/DC 48V	438848
20A	1NO	-	AC/DC 24V	NCH8-20Z/10 AC/DC 24V	438849
20A	1NO	-	AC/DC 12V	NCH8-20Z/10 AC/DC 12V	438850
20A	1NC	-	AC/DC 230V	NCH8-20Z/01 AC/DC 230V	438851
20A	1NC	-	AC/DC 110V	NCH8-20Z/01 AC/DC 110V	438852
20A	1NC	-	AC/DC 48V	NCH8-20Z/01 AC/DC 48V	438853
20A	1NC	-	AC/DC 24V	NCH8-20Z/01 AC/DC 24V	438854
20A	1NC	-	AC/DC 12V	NCH8-20Z/01 AC/DC 12V	438855
20A	2NO	-	AC/DC 230V	NCH8-20Z/20 AC/DC 230V	438856
20A	2NO	-	AC/DC 110V	NCH8-20Z/20 AC/DC 110V	438857
20A	2NO	-	AC/DC 48V	NCH8-20Z/20 AC/DC 48V	438858

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	2NO	-	AC/DC 24V	NCH8-20Z/20 AC/DC 24V	438859
20A	2NO	-	AC/DC 12V	NCH8-20Z/20 AC/DC 12V	438860
20A	2NC	-	AC/DC 230V	NCH8-20Z/02 AC/DC 230V	438861
20A	2NC	-	AC/DC 110V	NCH8-20Z/02 AC/DC 110V	438862
20A	2NC	-	AC/DC 48V	NCH8-20Z/02 AC/DC 48V	438863
20A	2NC	-	AC/DC 24V	NCH8-20Z/02 AC/DC 24V	438864
20A	2NC	-	AC/DC 12V	NCH8-20Z/02 AC/DC 12V	438865
20A	1NO+1NC	-	AC/DC 230V	NCH8-20Z/11 AC/DC 230V	438866
20A	1NO+1NC	-	AC/DC 110V	NCH8-20Z/11 AC/DC 110V	438867
20A	1NO+1NC	-	AC/DC 48V	NCH8-20Z/11 AC/DC 48V	438868
20A	1NO+1NC	-	AC/DC 24V	NCH8-20Z/11 AC/DC 24V	438869
20A	1NO+1NC	-	AC/DC 12V	NCH8-20Z/11 AC/DC 12V	438870
20A	3NO	-	AC/DC 230V	NCH8-20Z/30 AC/DC 230V	438951
20A	3NO	-	AC/DC 110V	NCH8-20Z/30 AC/DC 110V	438952
20A	3NO	-	AC/DC 48V	NCH8-20Z/30 AC/DC 48V	438953
20A	3NO	-	AC/DC 24V	NCH8-20Z/30 AC/DC 24V	438954
20A	3NO	-	AC/DC 12V	NCH8-20Z/30 AC/DC 12V	438955
20A	3NC	-	AC/DC 230V	NCH8-20Z/03 AC/DC 230V	438956
20A	3NC	-	AC/DC 110V	NCH8-20Z/03 AC/DC 110V	438957
20A	3NC	-	AC/DC 48V	NCH8-20Z/03 AC/DC 48V	438958
20A	3NC	-	AC/DC 24V	NCH8-20Z/03 AC/DC 24V	438959
20A	3NC	-	AC/DC 12V	NCH8-20Z/03 AC/DC 12V	438960
20A	4NO	-	AC/DC 230V	NCH8-20Z/40 AC/DC 230V	438961
20A	4NO	-	AC/DC 110V	NCH8-20Z/40 AC/DC 110V	438962
20A	4NO	-	AC/DC 48V	NCH8-20Z/40 AC/DC 48V	438963
20A	4NO	-	AC/DC 24V	NCH8-20Z/40 AC/DC 24V	438964
20A	4NO	-	AC/DC 12V	NCH8-20Z/40 AC/DC 12V	438965
20A	4NC	-	AC/DC 230V	NCH8-20Z/04 AC/DC 230V	438966
20A	4NC	-	AC/DC 110V	NCH8-20Z/04 AC/DC 110V	438967
20A	4NC	-	AC/DC 48V	NCH8-20Z/04 AC/DC 48V	438968
20A	4NC	-	AC/DC 24V	NCH8-20Z/04 AC/DC 24V	438969
20A	4NC	-	AC/DC 12V	NCH8-20Z/04 AC/DC 12V	438970
20A	2NO+2NC	-	AC/DC 230V	NCH8-20Z/22 AC/DC 230V	438971
20A	2NO+2NC	-	AC/DC 110V	NCH8-20Z/22 AC/DC 110V	438972

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	2NO+2NC	-	AC/DC 48V	NCH8-20Z/22 AC/DC 48V	438973
20A	2NO+2NC	-	AC/DC 24V	NCH8-20Z/22 AC/DC 24V	438974
20A	2NO+2NC	-	AC/DC 12V	NCH8-20Z/22 AC/DC 12V	438975
20A	3NO+1NC	-	AC/DC 230V	NCH8-20Z/31 AC/DC 230V	438976
20A	3NO+1NC	-	AC/DC 110V	NCH8-20Z/31 AC/DC 110V	438977
20A	3NO+1NC	-	AC/DC 48V	NCH8-20Z/31 AC/DC 48V	438978
20A	3NO+1NC	-	AC/DC 24V	NCH8-20Z/31 AC/DC 24V	438979
20A	3NO+1NC	-	AC/DC 12V	NCH8-20Z/31 AC/DC 12V	438980
25A	1NO	-	AC/DC 230V	NCH8-25Z/10 AC/DC 230V	438871
25A	1NO	-	AC/DC 110V	NCH8-25Z/10 AC/DC 110V	438872
25A	1NO	-	AC/DC 48V	NCH8-25Z/10 AC/DC 48V	438873
25A	1NO	-	AC/DC 24V	NCH8-25Z/10 AC/DC 24V	438874
25A	1NO	-	AC/DC 12V	NCH8-25Z/10 AC/DC 12V	438875
25A	1NC	-	AC/DC 230V	NCH8-25Z/01 AC/DC 230V	438876
25A	1NC	-	AC/DC 110V	NCH8-25Z/01 AC/DC 110V	438877
25A	1NC	-	AC/DC 48V	NCH8-25Z/01 AC/DC 48V	438878
25A	1NC	-	AC/DC 24V	NCH8-25Z/01 AC/DC 24V	438879
25A	1NC	-	AC/DC 12V	NCH8-25Z/01 AC/DC 12V	438880
25A	2NO	-	AC/DC 230V	NCH8-25Z/20 AC/DC 230V	438881
25A	2NO	-	AC/DC 110V	NCH8-25Z/20 AC/DC 110V	438882
25A	2NO	-	AC/DC 48V	NCH8-25Z/20 AC/DC 48V	438883
25A	2NO	-	AC/DC 24V	NCH8-25Z/20 AC/DC 24V	438884
25A	2NO	-	AC/DC 12V	NCH8-25Z/20 AC/DC 12V	438885
25A	2NC	-	AC/DC 230V	NCH8-25Z/02 AC/DC 230V	438886
25A	2NC	-	AC/DC 110V	NCH8-25Z/02 AC/DC 110V	438887
25A	2NC	-	AC/DC 48V	NCH8-25Z/02 AC/DC 48V	438888
25A	2NC	-	AC/DC 24V	NCH8-25Z/02 AC/DC 24V	438889
25A	2NC	-	AC/DC 12V	NCH8-25Z/02 AC/DC 12V	438890
25A	1NO+1NC	-	AC/DC 230V	NCH8-25Z/11 AC/DC 230V	438891
25A	1NO+1NC	-	AC/DC 110V	NCH8-25Z/11 AC/DC 110V	438892
25A	1NO+1NC	-	AC/DC 48V	NCH8-25Z/11 AC/DC 48V	438893
25A	1NO+1NC	-	AC/DC 24V	NCH8-25Z/11 AC/DC 24V	438894
25A	1NO+1NC	-	AC/DC 12V	NCH8-25Z/11 AC/DC 12V	438895
25A	3NO	-	AC/DC 230V	NCH8-25Z/30 AC/DC 230V	438981

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3NO	-	AC/DC 110V	NCH8-25Z/30 AC/DC 110V	438982
25A	3NO	-	AC/DC 48V	NCH8-25Z/30 AC/DC 48V	438983
25A	3NO	-	AC/DC 24V	NCH8-25Z/30 AC/DC 24V	438984
25A	3NO	-	AC/DC 12V	NCH8-25Z/30 AC/DC 12V	438985
25A	3NC	-	AC/DC 230V	NCH8-25Z/03 AC/DC 230V	438986
25A	3NC	-	AC/DC 110V	NCH8-25Z/03 AC/DC 110V	438987
25A	3NC	-	AC/DC 48V	NCH8-25Z/03 AC/DC 48V	438988
25A	3NC	-	AC/DC 24V	NCH8-25Z/03 AC/DC 24V	438989
25A	3NC	-	AC/DC 12V	NCH8-25Z/03 AC/DC 12V	438990
25A	4NO	-	AC/DC 230V	NCH8-25Z/40 AC/DC 230V	438991
25A	4NO	-	AC/DC 110V	NCH8-25Z/40 AC/DC 110V	438992
25A	4NO	-	AC/DC 48V	NCH8-25Z/40 AC/DC 48V	438993
25A	4NO	-	AC/DC 24V	NCH8-25Z/40 AC/DC 24V	438994
25A	4NO	-	AC/DC 12V	NCH8-25Z/40 AC/DC 12V	438995
25A	4NC	-	AC/DC 230V	NCH8-25Z/04 AC/DC 230V	438996
25A	4NC	-	AC/DC 110V	NCH8-25Z/04 AC/DC 110V	438997
25A	4NC	-	AC/DC 48V	NCH8-25Z/04 AC/DC 48V	438998
25A	4NC	-	AC/DC 24V	NCH8-25Z/04 AC/DC 24V	439046
25A	4NC	-	AC/DC 12V	NCH8-25Z/04 AC/DC 12V	439047
25A	2NO+2NC	-	AC/DC 230V	NCH8-25Z/22 AC/DC 230V	439048
25A	2NO+2NC	-	AC/DC 110V	NCH8-25Z/22 AC/DC 110V	439049
25A	2NO+2NC	-	AC/DC 48V	NCH8-25Z/22 AC/DC 48V	439050
25A	2NO+2NC	-	AC/DC 24V	NCH8-25Z/22 AC/DC 24V	439051
25A	2NO+2NC	-	AC/DC 12V	NCH8-25Z/22 AC/DC 12V	439052
25A	3NO+1NC	-	AC/DC 230V	NCH8-25Z/31 AC/DC 230V	439053
25A	3NO+1NC	-	AC/DC 110V	NCH8-25Z/31 AC/DC 110V	439054
25A	3NO+1NC	-	AC/DC 48V	NCH8-25Z/31 AC/DC 48V	439055
25A	3NO+1NC	-	AC/DC 24V	NCH8-25Z/31 AC/DC 24V	439056
25A	3NO+1NC	-	AC/DC 12V	NCH8-25Z/31 AC/DC 12V	439057

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	1NO	-	AC/DC 230V	NCH8-32Z/10 AC/DC 230V	438896
32A	1NO	-	AC/DC 110V	NCH8-32Z/10 AC/DC 110V	438897
32A	1NO	-	AC/DC 48V	NCH8-32Z/10 AC/DC 48V	438898
32A	1NO	-	AC/DC 24V	NCH8-32Z/10 AC/DC 24V	438899
32A	1NO	-	AC/DC 12V	NCH8-32Z/10 AC/DC 12V	438900
32A	1NC	-	AC/DC 230V	NCH8-32Z/01 AC/DC 230V	438901
32A	1NC	-	AC/DC 110V	NCH8-32Z/01 AC/DC 110V	438902
32A	1NC	-	AC/DC 48V	NCH8-32Z/01 AC/DC 48V	438903
32A	1NC	-	AC/DC 24V	NCH8-32Z/01 AC/DC 24V	438904
32A	1NC	-	AC/DC 12V	NCH8-32Z/01 AC/DC 12V	438905
32A	2NO	-	AC/DC 230V	NCH8-32Z/20 AC/DC 230V	438906
32A	2NO	-	AC/DC 110V	NCH8-32Z/20 AC/DC 110V	438907
32A	2NO	-	AC/DC 48V	NCH8-32Z/20 AC/DC 48V	438908
32A	2NO	-	AC/DC 24V	NCH8-32Z/20 AC/DC 24V	438909
32A	2NO	-	AC/DC 12V	NCH8-32Z/20 AC/DC 12V	438910
32A	2NC	-	AC/DC 230V	NCH8-32Z/02 AC/DC 230V	438911
32A	2NC	-	AC/DC 110V	NCH8-32Z/02 AC/DC 110V	438912
32A	2NC	-	AC/DC 48V	NCH8-32Z/02 AC/DC 48V	438913
32A	2NC	-	AC/DC 24V	NCH8-32Z/02 AC/DC 24V	438914
32A	2NC	-	AC/DC 12V	NCH8-32Z/02 AC/DC 12V	438915
32A	1NO+1NC	-	AC/DC 230V	NCH8-32Z/11 AC/DC 230V	438916
32A	1NO+1NC	-	AC/DC 110V	NCH8-32Z/11 AC/DC 110V	438917
32A	1NO+1NC	-	AC/DC 48V	NCH8-32Z/11 AC/DC 48V	438918
32A	1NO+1NC	-	AC/DC 24V	NCH8-32Z/11 AC/DC 24V	438919
32A	1NO+1NC	-	AC/DC 12V	NCH8-32Z/11 AC/DC 12V	438920
32A	3NO	-	AC/DC 230V	NCH8-32Z/30 AC/DC 230V	439058
32A	3NO	-	AC/DC 110V	NCH8-32Z/30 AC/DC 110V	439059
32A	3NO	-	AC/DC 48V	NCH8-32Z/30 AC/DC 48V	439060
32A	3NO	-	AC/DC 24V	NCH8-32Z/30 AC/DC 24V	439061
32A	3NO	-	AC/DC 12V	NCH8-32Z/30 AC/DC 12V	439062
32A	3NC	-	AC/DC 230V	NCH8-32Z/03 AC/DC 230V	439063
32A	3NC	-	AC/DC 110V	NCH8-32Z/03 AC/DC 110V	439064
32A	3NC	-	AC/DC 48V	NCH8-32Z/03 AC/DC 48V	439065
32A	3NC	-	AC/DC 24V	NCH8-32Z/03 AC/DC 24V	439066

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3NC	-	AC/DC 12V	NCH8-32Z/03 AC/DC 12V	439067
32A	4NO	-	AC/DC 230V	NCH8-32Z/40 AC/DC 230V	439068
32A	4NO	-	AC/DC 110V	NCH8-32Z/40 AC/DC 110V	439069
32A	4NO	-	AC/DC 48V	NCH8-32Z/40 AC/DC 48V	439070
32A	4NO	-	AC/DC 24V	NCH8-32Z/40 AC/DC 24V	439071
32A	4NO	-	AC/DC 12V	NCH8-32Z/40 AC/DC 12V	439072
32A	4NC	-	AC/DC 230V	NCH8-32Z/04 AC/DC 230V	439073
32A	4NC	-	AC/DC 110V	NCH8-32Z/04 AC/DC 110V	439074
32A	4NC	-	AC/DC 48V	NCH8-32Z/04 AC/DC 48V	439075
32A	4NC	-	AC/DC 24V	NCH8-32Z/04 AC/DC 24V	439076
32A	4NC	-	AC/DC 12V	NCH8-32Z/04 AC/DC 12V	439077
32A	2NO+2NC	-	AC/DC 230V	NCH8-32Z/22 AC/DC 230V	439078
32A	2NO+2NC	-	AC/DC 110V	NCH8-32Z/22 AC/DC 110V	439079
32A	2NO+2NC	-	AC/DC 48V	NCH8-32Z/22 AC/DC 48V	439080
32A	2NO+2NC	-	AC/DC 24V	NCH8-32Z/22 AC/DC 24V	439081
32A	2NO+2NC	-	AC/DC 12V	NCH8-32Z/22 AC/DC 12V	439082
32A	3NO+1NC	-	AC/DC 230V	NCH8-32Z/31 AC/DC 230V	439083
32A	3NO+1NC	-	AC/DC 110V	NCH8-32Z/31 AC/DC 110V	439084
32A	3NO+1NC	-	AC/DC 48V	NCH8-32Z/31 AC/DC 48V	439085
32A	3NO+1NC	-	AC/DC 24V	NCH8-32Z/31 AC/DC 24V	439086
32A	3NO+1NC	-	AC/DC 12V	NCH8-32Z/31 AC/DC 12V	439087
40A	1NO	-	AC/DC 230V	NCH8-40Z/10 AC/DC 230V	439088
40A	1NO	-	AC/DC 110V	NCH8-40Z/10 AC/DC 110V	439089
40A	1NO	-	AC/DC 48V	NCH8-40Z/10 AC/DC 48V	439090
40A	1NO	-	AC/DC 24V	NCH8-40Z/10 AC/DC 24V	439091
40A	1NO	-	AC/DC 12V	NCH8-40Z/10 AC/DC 12V	439092
40A	1NC	-	AC/DC 230V	NCH8-40Z/01 AC/DC 230V	439093
40A	1NC	-	AC/DC 110V	NCH8-40Z/01 AC/DC 110V	439094
40A	1NC	-	AC/DC 48V	NCH8-40Z/01 AC/DC 48V	439095
40A	1NC	-	AC/DC 24V	NCH8-40Z/01 AC/DC 24V	439096
40A	1NC	-	AC/DC 12V	NCH8-40Z/01 AC/DC 12V	439097
40A	2NO	-	AC/DC 230V	NCH8-40Z/20 AC/DC 230V	439098
40A	2NO	-	AC/DC 110V	NCH8-40Z/20 AC/DC 110V	439099
40A	2NO	-	AC/DC 48V	NCH8-40Z/20 AC/DC 48V	439100

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	2NO	-	AC/DC 24V	NCH8-40Z/20 AC/DC 24V	439101
40A	2NO	-	AC/DC 12V	NCH8-40Z/20 AC/DC 12V	439102
40A	2NC	-	AC/DC 230V	NCH8-40Z/02 AC/DC 230V	439103
40A	2NC	-	AC/DC 110V	NCH8-40Z/02 AC/DC 110V	439104
40A	2NC	-	AC/DC 48V	NCH8-40Z/02 AC/DC 48V	439105
40A	2NC	-	AC/DC 24V	NCH8-40Z/02 AC/DC 24V	439106
40A	2NC	-	AC/DC 12V	NCH8-40Z/02 AC/DC 12V	439107
40A	1NO+1NC	-	AC/DC 230V	NCH8-40Z/11 AC/DC 230V	439108
40A	1NO+1NC	-	AC/DC 110V	NCH8-40Z/11 AC/DC 110V	439109
40A	1NO+1NC	-	AC/DC 48V	NCH8-40Z/11 AC/DC 48V	439110
40A	1NO+1NC	-	AC/DC 24V	NCH8-40Z/11 AC/DC 24V	439111
40A	1NO+1NC	-	AC/DC 12V	NCH8-40Z/11 AC/DC 12V	439112
40A	3NO	-	AC/DC 230V	NCH8-40Z/30 AC/DC 230V	439138
40A	3NO	-	AC/DC 110V	NCH8-40Z/30 AC/DC 110V	439139
40A	3NO	-	AC/DC 48V	NCH8-40Z/30 AC/DC 48V	439140
40A	3NO	-	AC/DC 24V	NCH8-40Z/30 AC/DC 24V	439141
40A	3NO	-	AC/DC 12V	NCH8-40Z/30 AC/DC 12V	439142
40A	3NC	-	AC/DC 230V	NCH8-40Z/03 AC/DC 230V	439143
40A	3NC	-	AC/DC 110V	NCH8-40Z/03 AC/DC 110V	439144
40A	3NC	-	AC/DC 48V	NCH8-40Z/03 AC/DC 48V	439145
40A	3NC	-	AC/DC 24V	NCH8-40Z/03 AC/DC 24V	439146
40A	3NC	-	AC/DC 12V	NCH8-40Z/03 AC/DC 12V	439147
40A	4NO	-	AC/DC 230V	NCH8-40Z/40 AC/DC 230V	439148
40A	4NO	-	AC/DC 110V	NCH8-40Z/40 AC/DC 110V	439149
40A	4NO	-	AC/DC 48V	NCH8-40Z/40 AC/DC 48V	439150
40A	4NO	-	AC/DC 24V	NCH8-40Z/40 AC/DC 24V	439151
40A	4NO	-	AC/DC 12V	NCH8-40Z/40 AC/DC 12V	439152
40A	4NC	-	AC/DC 230V	NCH8-40Z/04 AC/DC 230V	439153
40A	4NC	-	AC/DC 110V	NCH8-40Z/04 AC/DC 110V	439154
40A	4NC	-	AC/DC 48V	NCH8-40Z/04 AC/DC 48V	439155
40A	4NC	-	AC/DC 24V	NCH8-40Z/04 AC/DC 24V	439156
40A	4NC	-	AC/DC 12V	NCH8-40Z/04 AC/DC 12V	439157
40A	2NO+2NC	-	AC/DC 230V	NCH8-40Z/22 AC/DC 230V	439158
40A	2NO+2NC	-	AC/DC 110V	NCH8-40Z/22 AC/DC 110V	439159
40A	2NO+2NC	-	AC/DC 48V	NCH8-40Z/22 AC/DC 48V	439160
40A	2NO+2NC	-	AC/DC 24V	NCH8-40Z/22 AC/DC 24V	439161
40A	2NO+2NC	-	AC/DC 12V	NCH8-40Z/22 AC/DC 12V	439162
40A	3NO+1NC	-	AC/DC 230V	NCH8-40Z/31 AC/DC 230V	439163
40A	3NO+1NC	-	AC/DC 110V	NCH8-40Z/31 AC/DC 110V	439164
40A	3NO+1NC	-	AC/DC 48V	NCH8-40Z/31 AC/DC 48V	439165
40A	3NO+1NC	-	AC/DC 24V	NCH8-40Z/31 AC/DC 24V	439166
40A	3NO+1NC	-	AC/DC 12V	NCH8-40Z/31 AC/DC 12V	439167

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
63A	1NO	-	AC/DC 230V	NCH8-63Z/10 AC/DC 230V	439113
63A	1NO	-	AC/DC 110V	NCH8-63Z/10 AC/DC 110V	439114
63A	1NO	-	AC/DC 48V	NCH8-63Z/10 AC/DC 48V	439115
63A	1NO	-	AC/DC 24V	NCH8-63Z/10 AC/DC 24V	439116
63A	1NO	-	AC/DC 12V	NCH8-63Z/10 AC/DC 12V	439117
63A	1NC	-	AC/DC 230V	NCH8-63Z/01 AC/DC 230V	439118
63A	1NC	-	AC/DC 110V	NCH8-63Z/01 AC/DC 110V	439119
63A	1NC	-	AC/DC 48V	NCH8-63Z/01 AC/DC 48V	439120
63A	1NC	-	AC/DC 24V	NCH8-63Z/01 AC/DC 24V	439121
63A	1NC	-	AC/DC 12V	NCH8-63Z/01 AC/DC 12V	439122
63A	2NO	-	AC/DC 230V	NCH8-63Z/20 AC/DC 230V	439123
63A	2NO	-	AC/DC 110V	NCH8-63Z/20 AC/DC 110V	439124
63A	2NO	-	AC/DC 48V	NCH8-63Z/20 AC/DC 48V	439125
63A	2NO	-	AC/DC 24V	NCH8-63Z/20 AC/DC 24V	439126
63A	2NO	-	AC/DC 12V	NCH8-63Z/20 AC/DC 12V	439127
63A	2NC	-	AC/DC 230V	NCH8-63Z/02 AC/DC 230V	439128
63A	2NC	-	AC/DC 110V	NCH8-63Z/02 AC/DC 110V	439129
63A	2NC	-	AC/DC 48V	NCH8-63Z/02 AC/DC 48V	439130
63A	2NC	-	AC/DC 24V	NCH8-63Z/02 AC/DC 24V	439131
63A	2NC	-	AC/DC 12V	NCH8-63Z/02 AC/DC 12V	439132
63A	1NO+1NC	-	AC/DC 230V	NCH8-63Z/11 AC/DC 230V	439133
63A	1NO+1NC	-	AC/DC 110V	NCH8-63Z/11 AC/DC 110V	439134
63A	1NO+1NC	-	AC/DC 48V	NCH8-63Z/11 AC/DC 48V	439135
63A	1NO+1NC	-	AC/DC 24V	NCH8-63Z/11 AC/DC 24V	439136
63A	1NO+1NC	-	AC/DC 12V	NCH8-63Z/11 AC/DC 12V	439137
63A	3NO	-	AC/DC 230V	NCH8-63Z/30 AC/DC 230V	439168
63A	3NO	-	AC/DC 110V	NCH8-63Z/30 AC/DC 110V	439169
63A	3NO	-	AC/DC 48V	NCH8-63Z/30 AC/DC 48V	439170

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
63A	3NO	-	AC/DC 24V	NCH8-63Z/30 AC/DC 24V	439171
63A	3NO	-	AC/DC 12V	NCH8-63Z/30 AC/DC 12V	439172
63A	3NC	-	AC/DC 230V	NCH8-63Z/03 AC/DC 230V	439173
63A	3NC	-	AC/DC 110V	NCH8-63Z/03 AC/DC 110V	439174
63A	3NC	-	AC/DC 48V	NCH8-63Z/03 AC/DC 48V	439175
63A	3NC	-	AC/DC 24V	NCH8-63Z/03 AC/DC 24V	439176
63A	3NC	-	AC/DC 12V	NCH8-63Z/03 AC/DC 12V	439177
63A	4NO	-	AC/DC 230V	NCH8-63Z/40 AC/DC 230V	439178
63A	4NO	-	AC/DC 110V	NCH8-63Z/40 AC/DC 110V	439179
63A	4NO	-	AC/DC 48V	NCH8-63Z/40 AC/DC 48V	439180
63A	4NO	-	AC/DC 24V	NCH8-63Z/40 AC/DC 24V	439181
63A	4NO	-	AC/DC 12V	NCH8-63Z/40 AC/DC 12V	439182
63A	4NC	-	AC/DC 230V	NCH8-63Z/04 AC/DC 230V	439183
63A	4NC	-	AC/DC 110V	NCH8-63Z/04 AC/DC 110V	439184
63A	4NC	-	AC/DC 48V	NCH8-63Z/04 AC/DC 48V	439185
63A	4NC	-	AC/DC 24V	NCH8-63Z/04 AC/DC 24V	439186
63A	4NC	-	AC/DC 12V	NCH8-63Z/04 AC/DC 12V	439187
63A	2NO+2NC	-	AC/DC 230V	NCH8-63Z/22 AC/DC 230V	439188
63A	2NO+2NC	-	AC/DC 110V	NCH8-63Z/22 AC/DC 110V	439189
63A	2NO+2NC	-	AC/DC 48V	NCH8-63Z/22 AC/DC 48V	439190
63A	2NO+2NC	-	AC/DC 24V	NCH8-63Z/22 AC/DC 24V	439191
63A	2NO+2NC	-	AC/DC 12V	NCH8-63Z/22 AC/DC 12V	439192
63A	3NO+1NC	-	AC/DC 230V	NCH8-63Z/31 AC/DC 230V	439193
63A	3NO+1NC	-	AC/DC 110V	NCH8-63Z/31 AC/DC 110V	439194
63A	3NO+1NC	-	AC/DC 48V	NCH8-63Z/31 AC/DC 48V	439195
63A	3NO+1NC	-	AC/DC 24V	NCH8-63Z/31 AC/DC 24V	439196
63A	3NO+1NC	-	AC/DC 12V	NCH8-63Z/31 AC/DC 12V	439197







CJX1-K Series Vacuum Contactors

1. Gerernal

CJX1-K series AC vacuum contactors (hereinafter referred to as contactors) are mainly suitable to be used in the circuit with AC 50Hz~60Hz, rated working voltage up to 1000V, and rated working current up to 820A, for remote connection and disconnection of circuits. The contactors can be used in combination with appropriate thermal overload relay or electronic protector and other protective devices to form a vacuum electromagnetic starter, especially suitable for forming an explosion-proof vacuum electromagnetic starter. The contactors are widely applied in mines, smelting, petroleum extraction, storage, chemical industry, military industry, textile, construction and other flammable, explosive or harsh environment.

Compliance standards: IEC 60947-4-1。

2. Type Designation

CJX 1 - □/□□ K

- K — Vacuum
- □□ — Quantity of normally closed auxiliary contacts
- □ — Basic specification code(Used in AC-3 class, expressed by rated working current at 380V)
- 1 — Design serial No.
- CJX — AC contactor

AX2- 1 1 □

- □ — "A" hangs on the left inner side,"B"hangs on the right inner side,"C"hangs on the left outer side,and "D"hangs on the right outer side
- 1 — Quantity of normally closed auxiliary contacts
- 1 — Quantity of normally open auxiliary contacts
- AX2 — Auxiliary contact group

3. Normal working conditions and installation conditions

3.1 Ambient temperature: -25°C~+60°C, with average value not exceeding +35°C within 24 hours.

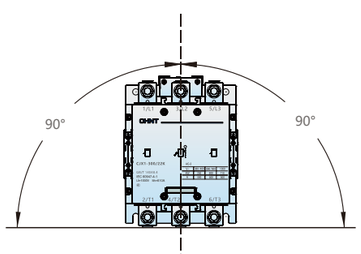
3.2 Atmospheric conditions: When the highest temperature is +60°C, the relative humidity of the air does not exceed 50%, and the higher humidity is allowed at lower temperatures. Special measures should be taken in case of occasional condensation due to variations in temperature.

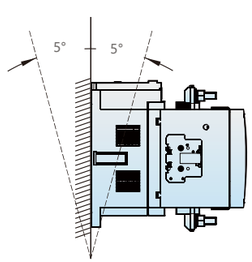
3.3 Pollution degree: 3.

3.4 Installation category: III.

3.5 Installation conditions: Vertical installation, the inclination of installation surface plane is not greater than ±5°.

3.6 Impact vibration: The product should be installed and used in a place free of significant shaking, impact and vibration.











4. Product advantages



Wide applicable power supply

AC and DC coils are interchangeable.
For AC, 50Hz~60Hz are interchangeable.



Energy- saving

The electromagnetic system adopts dual-coil energy-saving technology, which saves energy by about 85% compared with traditional contactors.

No electromagnetic noise



The conversion module of the electromagnetic system has the function of surge suppression, but also converts AC power to DC power in operation, thereby avoiding noise caused by electromagnetic oscillation.



Safety and environmental protection

Vacuum arc extinguishing technology is used, no arc spraying.



Easy maintenance

CJX1-225~500/22K coil block adopts the drawer-type structure, which can be directly drawn out for replacement.

5. Main parameters and technical performance

Rated insulation voltage(Ui):1000V

Contactor type		CJX1-225/22K	CJX1-265/22K	CJX1-300/22K	CJX1-400/22K	CJX1-500/22K	CJX1-630/22K	CJX1-820/22K
Appearance								
Conventional free air thermal current Ith(A)		330	330	330	610	610	700	910
AC-3 Rated working current Ie(A)	400V/380V	225	265	300	400	500	630	820
	690V/660V							
	1000V							
The maximum power(kw) of controllable three-phase squirrel-cage motor under AC-3 class	400V/380V	110	132	160	200	250	330	450
	690V/660V	200	250	250	400	500	500	800
	1000V	315	355	400	560	710	600	800
AC-4 Rated operational current Ie(A)	400V/380V	110	132	160	200	250	355	400
The maximum power (kW)of controllable three-phase squirrel cage motor under AC-4 class	400V/380V	110	132	160	200	250	355	400
Mechanical life	Operating frequency (times/h)	1200	1200	1200	1200	1200	1200	1200
	Number of times×10^4	700	700	700	700	700	500	500
AC-3 electrical life	Operating frequency (times/h)	600	600	600	600	600	120	120
	Number of times×10^4	200	200	200	150	150	120	120
Coil power (VA)	Start	95	95	95	115	115	180	180
	Operation	7.4	7.4	734	6.6	6.6	25	25
Basic parameters of auxiliary contact		AC-15：380V 0.95A，DC-13： 220V 0.15A，Ui:660V，Ith:10A			AC-15：380V 0.95A，DC-13： 220V 0.15A，Ui:660V，Ith:10A			
Quantity of auxiliary contact		2 NO and 2 NC			2 NO and 2 NC		4 NO and 4 NC	
Coil voltage	AC 50~60Hz	110V、220V、380V			110V、220V、380V			
	DC							
Product net weight(kg)		7.369	7.369	7.369	10.618	10.618	19.800	19.800

6. Overall and installation dimensions

Figure1 CJX1-225/22K、CJX1-265/22K、CJX1-300/22K

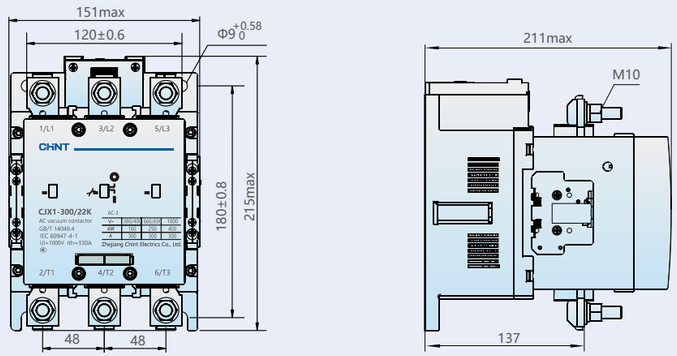


Figure2 CJX1-400/22K、CJX1-500/22K

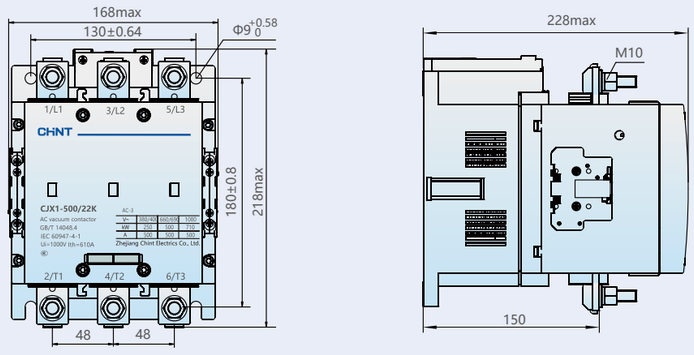
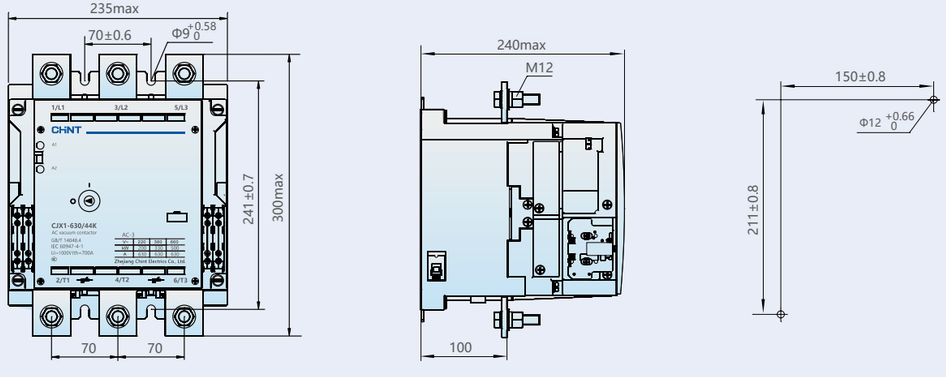


Figure3 CJX1-630/44K、CJX1-820/44K



7 Type selection and ordering data

Product type		Control voltage AC50~ 60Hz/DC (V)	Order code	Recommended matching bimetallic overload relay	
				Product type	Adjusting scope of setting current(A)
	CJX1-225/22K	110	275702		NR2-200 125-200A
		220	275703		NR2-630 160-250A
		380	275704		
	CJX1-265/22K	110	275705		NR2-630 160-250A
		220	275706		NR2-630 200-315A
		380	275707		
	CJX1-300/22K	110	275708		NR2-630 200-315A
		220	275709		NR2-630 250-400A
		380	275710		
	CJX1-400/22K	110	275711		NR2-630 250-400A
		220	275712		NR2-630 315-500A
		380	275713		
	CJX1-500/22K	110	275714		NR2-630 315-500A
		220	275715		NR2-630 400-630A
		380	275716		
	CJX1-630/44K	110	275696	NR2-630	NR2-630 400-630A
		220	275697		
		380	275698		
	CJX1-820/44K	110	275699		NR2-630 400-630A
		220	275700		
		380	275701		

Ordering instruction: When ordering contactor, the complete product type, name, voltage and quantity of coil must be indicated.

Recommended matching electronic overload relay		Recommended matching SCPD	Rated current(A)	Conductor section(mm^2)	Tightening torque(N.M)
Product type	Adjusting scope of setting current(A)	Product type			
 NRE8-200	NR8-200 100-200A NR8-200 125-250A NR8-200 125-250A NR8-630 200-400A NR8-630 200-400A NR8-630 200-400A	 RT36-2	400A	185	
 NRE8-630	NR8-630 315-630A NR8-630 315-630A NR8-630 315-630A NR8-630 315-630A	 RT36-3	630A	2×185	14
	NR8-630 315-630A	 RT36-4		2×240	14
	NR8-630 315-630A		1000A	2×(60×5) copper busbar	14

Order example: 10 sets of CJX1-225/22K AC vacuum contactor coil voltage 220V 50Hz

CJX1	-	225	/	22	K	AC/DC220V
Product Series		**Rated Current (AC-3)**		**Auxiliary Contact**	**Vacuum Contactor**	**Control Voltage**
		225: 225A 265: 265A 300: 300A 400: 400A 500: 500A 630: 630A 820: 820A		22: 2NO+2NC (225~500A) 44: 4NO+4NC (630~820A)		AC/DC110V: AC/DC110V AC/DC220V: AC/DC220V AC/DC380V: AC/DC380V

CJX1-K Contactor 225~820A

AC-3 Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
225A	3P	2NO+2NC	AC/DC 110V	CJX1-225/22K AC/DC 110V	275702
225A	3P	2NO+2NC	AC/DC 220V	CJX1-225/22K AC/DC 220V	275703
225A	3P	2NO+2NC	AC/DC 380V	CJX1-225/22K AC/DC 380V	275704
265A	3P	2NO+2NC	AC/DC 110V	CJX1-265/22K AC/DC 110V	275705
265A	3P	2NO+2NC	AC/DC 220V	CJX1-265/22K AC/DC 220V	275706
265A	3P	2NO+2NC	AC/DC 380V	CJX1-265/22K AC/DC 380V	275707
300A	3P	2NO+2NC	AC/DC 110V	CJX1-300/22K AC/DC 110V	275708
300A	3P	2NO+2NC	AC/DC 220V	CJX1-300/22K AC/DC 220V	275709
300A	3P	2NO+2NC	AC/DC 380V	CJX1-300/22K AC/DC 380V	275710
400A	3P	2NO+2NC	AC/DC 110V	CJX1-400/22K AC/DC 110V	275711
400A	3P	2NO+2NC	AC/DC 220V	CJX1-400/22K AC/DC 220V	275712
400A	3P	2NO+2NC	AC/DC 380V	CJX1-400/22K AC/DC 380V	275713
500A	3P	2NO+2NC	AC/DC 110V	CJX1-500/22K AC/DC 110V	275714
500A	3P	2NO+2NC	AC/DC 220V	CJX1-500/22K AC/DC 220V	275715
500A	3P	2NO+2NC	AC/DC 380V	CJX1-500/22K AC/DC 380V	275716
630A	3P	4NO+4NC	AC/DC 110V	CJX1-630/44K AC/DC 110V	275696
630A	3P	4NO+4NC	AC/DC 220V	CJX1-630/44K AC/DC 220V	275697
630A	3P	4NO+4NC	AC/DC 380V	CJX1-630/44K AC/DC 380V	275698
820A	3P	4NO+4NC	AC/DC 110V	CJX1-820/44K AC/DC 110V	275699
820A	3P	4NO+4NC	AC/DC 220V	CJX1-820/44K AC/DC 220V	275700
	3P	4NO+4NC	AC/DC 380V	CJX1-820/44K AC/DC 380V	275701











NXCC Series Capacitor Contactors

1. Application

- NXCC series capacitor contactors are mainly used in power system with rated working voltage up to 690V, to input low-voltage reactive power compensation equipment or cut off low-voltage parallel capacitors.
- Standard :IEC/EN 60947-4-1

2. Type designation

N	X	CC	□	□
Company code	Next series	Capacitor contactor	Basic specification code	Number of auxiliary contact
			25,32,43,63, 95,115,150,170	21 stands for 2NO+1NC, 12 stands fot 1NO+2NC (NXCC-25~115) ; 32 stands for 3NO+2NC, 23 stands for 2NO+3NC (NXCC-150~170)

3. Normal working conditions

3.1 Environmental temperature: Extreme working temperature -35 ℃ ~+70 ℃ , normal working temperature -5 ℃ ~+40 ℃ , with an average value not exceeding+35 ℃ within 24 hours

3.2 Altitude: not exceeding 2000m

3.3 Humidity: When the maximum temperature is+70 ℃ , the relative humidity does not exceed 50%; Higher relative humidity can be allowed at lower temperatures, such as up to 90% at 20 ℃

3.4 Pollution level: Level 3.

3.5 Installation category: Class III.

3.6 Installation and conditions: The inclination between the installation surface and the vertical surface shall not exceed ± 5 °.

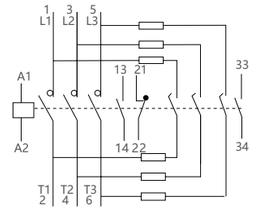
3.7 Impact and vibration: The product should be installed and used in a place without significant shaking, impact and vibration.

4. Technical data

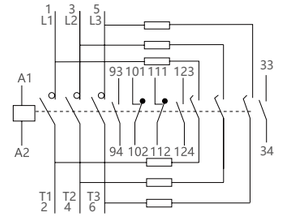
Technical parameter		NXCC-25	NXCC-32	NXCC-43	NXCC-63	NXCC-95	NXCC-115	NXCC-150	NXCC-170
Ith(A)		25	32	43	63	95	115	150	170
Ie(AC-6b) (A)		19	30.4	39.4	52.5	91.9	105	121.6	136.8
Controlled Capacitor capacity(kvar)	220/230V	7.2	11.5	15	20	35	10	46.3	52.1
	380/400V	12.5	20	25.9	34.5	60.4	69.1	80	90
	660/690V	21.7	34.7	45	60	105	120	139	156.3
Ui (V)		690							
Suppress surge current		20Ie							
Coil working voltage		Pick up :(85%~110%)Us; Release: (20%~75%)Us							
Coil capacity(VA)	Start/ keep	70/9.5	70/11.4	70/11.4	210/36.6	300/36.6	300/36.6	1000/91.2	1000/91.2
Auxiliary contact capacity		AC-15: Ue/Ie: AC220V/230V/2.7A, AC380V/400V/1.5A; DC-13: Ue/Ie: DC220V/0.3A; Ith:10A							
Uimp		6kV							
Protection degree		IP20(front side)			IP10				
Coil voltage Us(50Hz)		110V, 127V, 220V, 380V, 415V							

5. Wiring diagram

Example: NXCC-2521~11521 wiring diagram

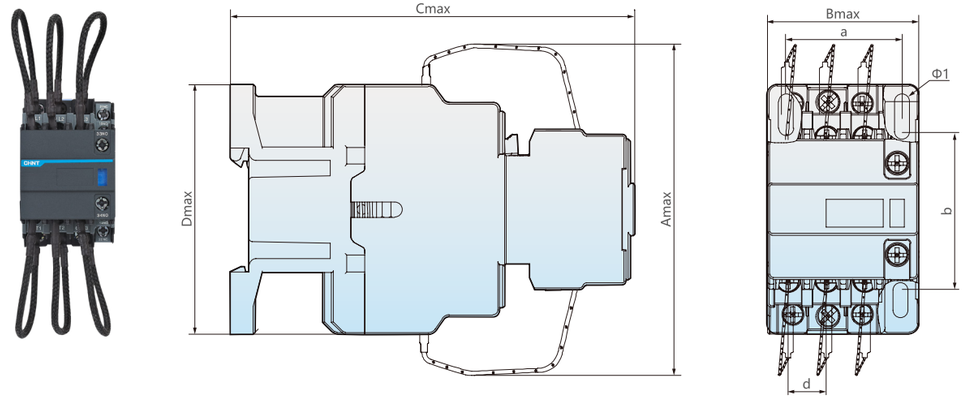


Example: NXCC-15032~17032 wiring diagram

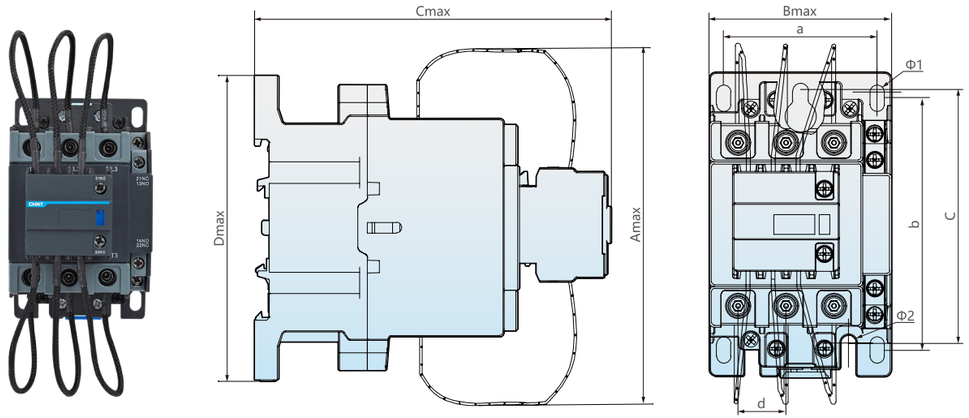


6. Overall dimensions

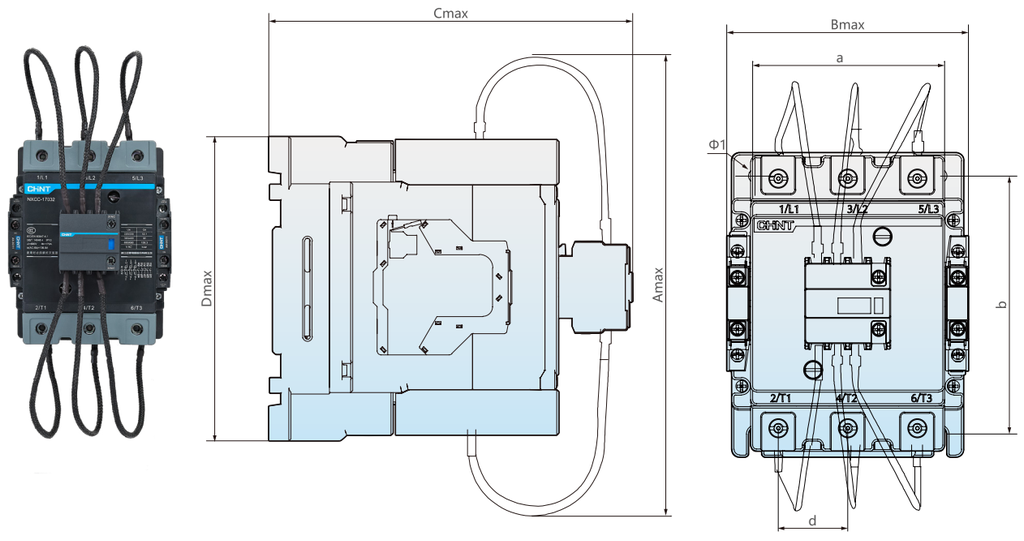
NXCC-25~43 appearance and installation dimensions



NXCC-63~115 appearance and installation dimensionsda



NXCC-150~170 appearance and installation dimensions



Model type	Amax	Bmax	Cmax	Dmax	a	b	c	d	Φ1	Φ2	Remarks
NXCC-25	80	45.5	122	75	35±0.31	48±0.31	-	11.4	4.5	-	Installation by screws or by 35mm din rail
NXCC-32~43	90	56.5	129	87	40±0.31	48±0.31	-	14.2	4.5	-	
NXCC-63	132	77	151	129	64±0.32	100~110	105±0.57	20	6	6.5	Installation by screws or by 35mm/75mm din rail
NXCC-95~115	135	87	160	132	74±0.32	105~118.5	105±0.57	24	6.2	6.5	
NXCC-150~170	203	127	190	160	96±0.5	133.6±0.8	-	36	7	-	Screw mounting

NXCC	-	25	12	110V	50/60Hz
Product Series		**Conventional thermal current (Ith)**	**Auxiliary Contact**	**Control Voltage**	**Frequency**
		25: 25A 32: 32A 43: 43A 63: 63A 95: 95A 115: 115A 150: 150A 170: 170A	12: 1NO+2NC (25~115A) 21: 2NO+1NC (25~115A) 23: 2NO+3NC (150~170A) 32: 3NO+2NC (150~170A)	110V: AC110V 127V: AC127V 220V: AC220V 380V: AC380V 415V: AC415V 440V: AC440V	50/60Hz

NXCC Contactor 25~170A

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-2512 110V 50/60Hz	506892
25A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-2512 127V 50/60Hz	506893
25A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-2512 220V 50/60Hz	506894
25A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-2512 380V 50/60Hz	506895
25A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-2512 415V 50/60Hz	506896
25A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-2512 440V 50/60Hz	510247
25A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-2521 110V 50/60Hz	506897
25A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-2521 127V 50/60Hz	506898
25A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-2521 220V 50/60Hz	506899
25A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-2521 380V 50/60Hz	506900
25A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-2521 415V 50/60Hz	506901
25A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-2521 440V 50/60Hz	510248
32A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-3212 110V 50/60Hz	506902
32A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-3212 127V 50/60Hz	506903
32A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-3212 220V 50/60Hz	506904
32A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-3212 380V 50/60Hz	506905
32A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-3212 415V 50/60Hz	506906
32A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-3212 440V 50/60Hz	510249
32A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-3221 110V 50/60Hz	506907
32A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-3221 127V 50/60Hz	506908
32A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-3221 220V 50/60Hz	506909
32A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-3221 380V 50/60Hz	506910
32A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-3221 415V 50/60Hz	506911
32A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-3221 440V 50/60Hz	510250
43A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-4312 110V 50/60Hz	506912
43A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-4312 127V 50/60Hz	506913
43A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-4312 220V 50/60Hz	506914
43A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-4312 380V 50/60Hz	506915
43A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-4312 415V 50/60Hz	506916
43A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-4312 440V 50/60Hz	510251
43A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-4321 110V 50/60Hz	506917
43A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-4321 127V 50/60Hz	506918
43A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-4321 220V 50/60Hz	506919
43A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-4321 380V 50/60Hz	506920
43A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-4321 415V 50/60Hz	506921
43A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-4321 440V 50/60Hz	510252
63A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-6312 110V 50/60Hz	506922
63A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-6312 127V 50/60Hz	506923
63A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-6312 220V 50/60Hz	506924
63A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-6312 380V 50/60Hz	506925
63A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-6312 415V 50/60Hz	506926
63A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-6312 440V 50/60Hz	510253
63A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-6321 110V 50/60Hz	506927
63A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-6321 127V 50/60Hz	506928

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
63A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-6321 220V 50/60Hz	506929
63A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-6321 380V 50/60Hz	506930
63A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-6321 415V 50/60Hz	506931
63A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-6321 440V 50/60Hz	510254
95A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-9512 110V 50/60Hz	506932
95A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-9512 127V 50/60Hz	506933
95A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-9512 220V 50/60Hz	506934
95A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-9512 380V 50/60Hz	506935
95A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-9512 415V 50/60Hz	506936
95A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-9512 440V 50/60Hz	510255
95A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-9521 110V 50/60Hz	506937
95A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-9521 127V 50/60Hz	506938
95A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-9521 220V 50/60Hz	506939
95A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-9521 380V 50/60Hz	506940
95A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-9521 415V 50/60Hz	506941
95A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-9521 440V 50/60Hz	510256
115A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-11512 110V 50/60Hz	506862
115A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-11512 127V 50/60Hz	506863
115A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-11512 220V 50/60Hz	506864
115A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-11512 380V 50/60Hz	506865
115A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-11512 415V 50/60Hz	506866
115A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-11512 440V 50/60Hz	510241
115A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-11521 110V 50/60Hz	506867
115A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-11521 127V 50/60Hz	506868
115A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-11521 220V 50/60Hz	506869
115A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-11521 380V 50/60Hz	506870
115A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-11521 415V 50/60Hz	506871
115A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-11521 440V 50/60Hz	510242
150A	3P	2NO+3NC	AC 110V 50/60Hz	NXCC-15023 110V 50/60Hz	506872
150A	3P	2NO+3NC	AC 127V 50/60Hz	NXCC-15023 127V 50/60Hz	506873
150A	3P	2NO+3NC	AC 220V 50/60Hz	NXCC-15023 220V 50/60Hz	506874
150A	3P	2NO+3NC	AC 380V 50/60Hz	NXCC-15023 380V 50/60Hz	506875
150A	3P	2NO+3NC	AC 415V 50/60Hz	NXCC-15023 415V 50/60Hz	506876
150A	3P	2NO+3NC	AC 440V 50/60Hz	NXCC-15023 440V 50/60Hz	510243
150A	3P	3NO+2NC	AC 110V 50/60Hz	NXCC-15032 110V 50/60Hz	506877
150A	3P	3NO+2NC	AC 127V 50/60Hz	NXCC-15032 127V 50/60Hz	506878
150A	3P	3NO+2NC	AC 220V 50/60Hz	NXCC-15032 220V 50/60Hz	506879
150A	3P	3NO+2NC	AC 380V 50/60Hz	NXCC-15032 380V 50/60Hz	506880
150A	3P	3NO+2NC	AC 415V 50/60Hz	NXCC-15032 415V 50/60Hz	506881
150A	3P	3NO+2NC	AC 440V 50/60Hz	NXCC-15032 440V 50/60Hz	510244
170A	3P	2NO+3NC	AC 110V 50/60Hz	NXCC-17023 110V 50/60Hz	506882
170A	3P	2NO+3NC	AC 127V 50/60Hz	NXCC-17023 127V 50/60Hz	506883
170A	3P	2NO+3NC	AC 220V 50/60Hz	NXCC-17023 220V 50/60Hz	506884
170A	3P	2NO+3NC	AC 380V 50/60Hz	NXCC-17023 380V 50/60Hz	506885
170A	3P	2NO+3NC	AC 415V 50/60Hz	NXCC-17023 415V 50/60Hz	506886
170A	3P	2NO+3NC	AC 440V 50/60Hz	NXCC-17023 440V 50/60Hz	510245
170A	3P	3NO+2NC	AC 110V 50/60Hz	NXCC-17032 110V 50/60Hz	506887
170A	3P	3NO+2NC	AC 127V 50/60Hz	NXCC-17032 127V 50/60Hz	506888
170A	3P	3NO+2NC	AC 220V 50/60Hz	NXCC-17032 220V 50/60Hz	506889
170A	3P	3NO+2NC	AC 380V 50/60Hz	NXCC-17032 380V 50/60Hz	506890
170A	3P	3NO+2NC	AC 415V 50/60Hz	NXCC-17032 415V 50/60Hz	506891
170A	3P	3NO+2NC	AC 440V 50/60Hz	NXCC-17032 440V 50/60Hz	510246



CJ19 Series Capacitor Contactors

1.General

1.1 Electric ratings: AC50/60Hz, up to 690V;

1.2 Standard: IEC/EN 60947-4-1

2.Type designation

CJ 19 □ □

- Number of auxiliary contacts
  20:2N/O,11:1N/O+1N/C
  02:2N/C(CJ19-25 ~ 43)
  21:2N/O+1N/C,12:1N/O+2N/C(CJ19-63 ~ 95)
  10:1N/O,01:1N/C(CJ19-115~170)
- Basic model code
- Design sequence No.
- Contactor

3. Operating conditions

3.1 Ambient temperature: -5℃ ~+40℃ , the average during 24 hours should not exceed +35℃ ;

3.2 Altitude:≤ 2000m;

3.3 Atmosphere conditions: At mounting site, relative humidity not exceed 50% at the max temperature of +40 ℃ , higher relative humidity is allowable under lower temperature. For example, RH could be 90% at +20℃ , special measures should be taken to occurrence of dews;

3.4 Pollution degree: 3

3.5 Installation category: Ⅲ

3.6 Installation conditions : the inclination between installation plane and vertical plane is within ±5 °

3.7 Impact and shake: the products should locate in the places where there are no obvious impact and shake.

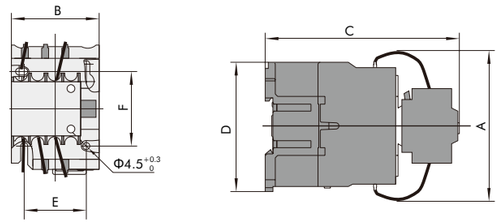
3.8 Protection class: IP10

4. Technical data

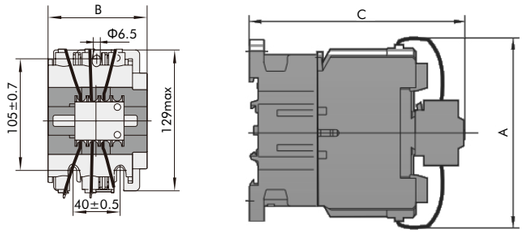
Item		CJ19-25	CJ19-32	CJ19-43	CJ19-63	CJ19-95	CJ19-115	CJ19-150	CJ19-170
Controll able capacitor Capacity kvar	220/230V	6.7	10	15	20	35	40	46	52
	380/400V	12.5	20	25	33.3	50	60	80	90
	660/690V	18	26	36	48	92	100	120	130
Rated Isolation Voltage Ue V		690							
Rated Operational Voltage Ue V		220/230V,380/400V,660/690V							
Conventional thermal current I th A		25	32	43	63	95	200	200	275
Reted Operational currentle A(380V)		17	23	29	43	72.2	87	115	130
Restrained surge capacity		20 Ie							
Capacity of Auxiliary contact		AC-15:Ie:0.95A Ue:380/400V DC-13:Ie:0.15A Ue:220/250V Conventional thermal currentIth:10A							
Operating Frequency cycles/h		120							
Electrical durability 10^4		10					2		
Mechanical durability 10^4		100					300		

5. Overall and mounting dimensions (mm)

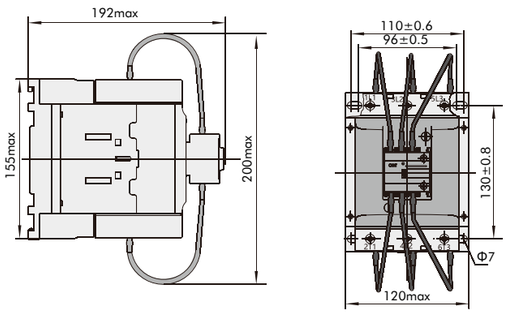
CJ19-25~43



CJ19-63~95



CJ19-115~170



Model	Amax	Bmax	Cmax	Dmax	E	F	Note
CJ19-25	80	47	124	76	34/35	50/60	Not only fixed by screws but also could be fixed with 35mm din rail
CJ19-32	90	58	132	86	40	48	
CJ19-43	90	58	136	86	40	48	
CJ19-63	132	79	150	-	-	-	Not only fixed by screws but also could be fixed with 35mm and 75mm din rail
CJ19-95	135	87	158	-	-	-	
CJ19-115	200	120	192	155			Not only fixed by screws but also could be fixed with two 35mm din rail
CJ19-150	200	120	192	155			
CJ19-170	200	120	192	155			

6. Wiring and installation

6.1 The connection terminals are protected through insulation cover, which is reliable and secure for installation and operation;

6.2 For CJ19-25~43, screws are available for installation, as well as the DIN rail;
for CJ19-63~95, 35mm or 75mm standard rail are available for installation.
for CJ19-115~170, screws are available for installation, as well as two 35mm DIN rail.

CJ19	-	25	02	110V	50/60Hz
Product Series		**Conventional thermal current (Ith)**	**Auxiliary Contact**	**Control Voltage**	**Frequency**
		25: 25A 32: 32A 43: 43A 63: 63A 95: 95A 115: 115A 150: 150A 170: 170A	02: 2NC (25~43A) 20: 2NO (25~43A) 11: 1NO+1NC (25~43A) 12: 1NO+2NC (63~95A) 21: 2NO+1NC (63~95A) 01: 1NC (115~170A) 10: 1NO (115~170A)	24V: AC24V 36V: AC36V 42V: AC42V 48V: AC48V 110V: AC110V 127V: AC127V 220V: AC220V 230V: AC230V 240V: AC240V 380V: AC380V 400V: AC400V 415V: AC415V 440V: AC440V 480V: AC480V	50Hz 60Hz 50/60Hz

CJ19 Contactor 25~170A

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3P	2NC	AC 110V 50Hz	CJ19-25/02 110V 50Hz	243720
25A	3P	2NC	AC 110V 60Hz	CJ19-25/02 110V 60Hz	243721
25A	3P	2NC	AC 127V 50/60Hz	CJ19-25/02 127V 50/60Hz	243722
25A	3P	2NC	AC 127V 50Hz	CJ19-25/02 127V 50Hz	243723
25A	3P	2NC	AC 127V 60Hz	CJ19-25/02 127V 60Hz	243724
25A	3P	2NC	AC 220V 50/60Hz	CJ19-25/02 220V 50/60Hz	243725
25A	3P	2NC	AC 220V 50Hz	CJ19-25/02 220V 50Hz	243726
25A	3P	2NC	AC 220V 60Hz	CJ19-25/02 220V 60Hz	243727
25A	3P	2NC	AC 230V 50/60Hz	CJ19-25/02 230V 50/60Hz	243728
25A	3P	2NC	AC 230V 50Hz	CJ19-25/02 230V 50Hz	243729
25A	3P	2NC	AC 230V 60Hz	CJ19-25/02 230V 60Hz	243730
25A	3P	2NC	AC 240V 50/60Hz	CJ19-25/02 240V 50/60Hz	243731
25A	3P	2NC	AC 240V 50Hz	CJ19-25/02 240V 50Hz	243732
25A	3P	2NC	AC 240V 60Hz	CJ19-25/02 240V 60Hz	243733
25A	3P	2NC	AC 24V 50/60Hz	CJ19-25/02 24V 50/60Hz	243734
25A	3P	2NC	AC 24V 50Hz	CJ19-25/02 24V 50Hz	243735
25A	3P	2NC	AC 24V 60Hz	CJ19-25/02 24V 60Hz	243736
25A	3P	2NC	AC 36V 50/60Hz	CJ19-25/02 36V 50/60Hz	243737
25A	3P	2NC	AC 36V 50Hz	CJ19-25/02 36V 50Hz	243738
25A	3P	2NC	AC 36V 60Hz	CJ19-25/02 36V 60Hz	243739
25A	3P	2NC	AC 380V 50/60Hz	CJ19-25/02 380V 50/60Hz	243740
25A	3P	2NC	AC 380V 50Hz	CJ19-25/02 380V 50Hz	243741
25A	3P	2NC	AC 380V 60Hz	CJ19-25/02 380V 60Hz	243742
25A	3P	2NC	AC 400V 50/60Hz	CJ19-25/02 400V 50/60Hz	243743
25A	3P	2NC	AC 400V 50Hz	CJ19-25/02 400V 50Hz	243744
25A	3P	2NC	AC 400V 60Hz	CJ19-25/02 400V 60Hz	243745
25A	3P	2NC	AC 415V 50/60Hz	CJ19-25/02 415V 50/60Hz	243746
25A	3P	2NC	AC 415V 50Hz	CJ19-25/02 415V 50Hz	243747
25A	3P	2NC	AC 415V 60Hz	CJ19-25/02 415V 60Hz	243748
25A	3P	2NC	AC 42V 50/60Hz	CJ19-25/02 42V 50/60Hz	243749
25A	3P	2NC	AC 42V 50Hz	CJ19-25/02 42V 50Hz	243750
25A	3P	2NC	AC 42V 60Hz	CJ19-25/02 42V 60Hz	243751
25A	3P	2NC	AC 440V 50/60Hz	CJ19-25/02 440V 50/60Hz	243752
25A	3P	2NC	AC 440V 50Hz	CJ19-25/02 440V 50Hz	243753
25A	3P	2NC	AC 440V 60Hz	CJ19-25/02 440V 60Hz	243754
25A	3P	2NC	AC 48V 50/60Hz	CJ19-25/02 48V 50/60Hz	243755
25A	3P	2NC	AC 48V 50Hz	CJ19-25/02 48V 50Hz	243756
25A	3P	2NC	AC 48V 60Hz	CJ19-25/02 48V 60Hz	243757
25A	3P	2NC	AC 110V 50/60Hz	CJ19-25/02 110V 50/60Hz	244232

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3P	1NO+1NC	AC 110V 50/60Hz	CJ19-25/11 110V 50/60Hz	243758
25A	3P	1NO+1NC	AC 110V 50Hz	CJ19-25/11 110V 50Hz	243759
25A	3P	1NO+1NC	AC 110V 60Hz	CJ19-25/11 110V 60Hz	243760
25A	3P	1NO+1NC	AC 127V 50/60Hz	CJ19-25/11 127V 50/60Hz	243761
25A	3P	1NO+1NC	AC 127V 50Hz	CJ19-25/11 127V 50Hz	243762
25A	3P	1NO+1NC	AC 127V 60Hz	CJ19-25/11 127V 60Hz	243763
25A	3P	1NO+1NC	AC 220V 50/60Hz	CJ19-25/11 220V 50/60Hz	243764
25A	3P	1NO+1NC	AC 220V 50Hz	CJ19-25/11 220V 50Hz	243765
25A	3P	1NO+1NC	AC 220V 60Hz	CJ19-25/11 220V 60Hz	243766
25A	3P	1NO+1NC	AC 230V 50/60Hz	CJ19-25/11 230V 50/60Hz	243767
25A	3P	1NO+1NC	AC 230V 50Hz	CJ19-25/11 230V 50Hz	243768
25A	3P	1NO+1NC	AC 230V 60Hz	CJ19-25/11 230V 60Hz	243769
25A	3P	1NO+1NC	AC 240V 50/60Hz	CJ19-25/11 240V 50/60Hz	243770
25A	3P	1NO+1NC	AC 240V 50Hz	CJ19-25/11 240V 50Hz	243771
25A	3P	1NO+1NC	AC 240V 60Hz	CJ19-25/11 240V 60Hz	243772
25A	3P	1NO+1NC	AC 24V 50/60Hz	CJ19-25/11 24V 50/60Hz	243773
25A	3P	1NO+1NC	AC 24V 50Hz	CJ19-25/11 24V 50Hz	243774
25A	3P	1NO+1NC	AC 24V 60Hz	CJ19-25/11 24V 60Hz	243775
25A	3P	1NO+1NC	AC 36V 50/60Hz	CJ19-25/11 36V 50/60Hz	243776
25A	3P	1NO+1NC	AC 36V 50Hz	CJ19-25/11 36V 50Hz	243777
25A	3P	1NO+1NC	AC 36V 60Hz	CJ19-25/11 36V 60Hz	243778
25A	3P	1NO+1NC	AC 380V 50/60Hz	CJ19-25/11 380V 50/60Hz	243779
25A	3P	1NO+1NC	AC 380V 50Hz	CJ19-25/11 380V 50Hz	243780
25A	3P	1NO+1NC	AC 380V 60Hz	CJ19-25/11 380V 60Hz	243781
25A	3P	1NO+1NC	AC 400V 50/60Hz	CJ19-25/11 400V 50/60Hz	243782
25A	3P	1NO+1NC	AC 400V 50Hz	CJ19-25/11 400V 50Hz	243783
25A	3P	1NO+1NC	AC 400V 60Hz	CJ19-25/11 400V 60Hz	243784
25A	3P	1NO+1NC	AC 415V 50/60Hz	CJ19-25/11 415V 50/60Hz	243785
25A	3P	1NO+1NC	AC 415V 50Hz	CJ19-25/11 415V 50Hz	243786
25A	3P	1NO+1NC	AC 415V 60Hz	CJ19-25/11 415V 60Hz	243787
25A	3P	1NO+1NC	AC 42V 50/60Hz	CJ19-25/11 42V 50/60Hz	243788
25A	3P	1NO+1NC	AC 42V 50Hz	CJ19-25/11 42V 50Hz	243789
25A	3P	1NO+1NC	AC 42V 60Hz	CJ19-25/11 42V 60Hz	243790
25A	3P	1NO+1NC	AC 440V 50/60Hz	CJ19-25/11 440V 50/60Hz	243791
25A	3P	1NO+1NC	AC 440V 50Hz	CJ19-25/11 440V 50Hz	243792
25A	3P	1NO+1NC	AC 440V 60Hz	CJ19-25/11 440V 60Hz	243793
25A	3P	1NO+1NC	AC 48V 50/60Hz	CJ19-25/11 48V 50/60Hz	243794
25A	3P	1NO+1NC	AC 48V 50Hz	CJ19-25/11 48V 50Hz	243795
25A	3P	1NO+1NC	AC 48V 60Hz	CJ19-25/11 48V 60Hz	243796
25A	3P	1NO+1NC	AC 480V 50/60Hz	CJ19-25/11 480V 50/60Hz	244235

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3P	2NO	AC 110V 50/60Hz	CJ19-25/20 110V 50/60Hz	243797
25A	3P	2NO	AC 110V 50Hz	CJ19-25/20 110V 50Hz	243798
25A	3P	2NO	AC 110V 60Hz	CJ19-25/20 110V 60Hz	243799
25A	3P	2NO	AC 127V 50/60Hz	CJ19-25/20 127V 50/60Hz	243800
25A	3P	2NO	AC 127V 50Hz	CJ19-25/20 127V 50Hz	243801
25A	3P	2NO	AC 127V 60Hz	CJ19-25/20 127V 60Hz	243802
25A	3P	2NO	AC 220V 50/60Hz	CJ19-25/20 220V 50/60Hz	243803
25A	3P	2NO	AC 220V 50Hz	CJ19-25/20 220V 50Hz	243804
25A	3P	2NO	AC 220V 60Hz	CJ19-25/20 220V 60Hz	243805
25A	3P	2NO	AC 230V 50/60Hz	CJ19-25/20 230V 50/60Hz	243806
25A	3P	2NO	AC 230V 50Hz	CJ19-25/20 230V 50Hz	243807
25A	3P	2NO	AC 230V 60Hz	CJ19-25/20 230V 60Hz	243808
25A	3P	2NO	AC 240V 50/60Hz	CJ19-25/20 240V 50/60Hz	243809
25A	3P	2NO	AC 240V 50Hz	CJ19-25/20 240V 50Hz	243810
25A	3P	2NO	AC 240V 60Hz	CJ19-25/20 240V 60Hz	243811
25A	3P	2NO	AC 24V 50/60Hz	CJ19-25/20 24V 50/60Hz	243812
25A	3P	2NO	AC 24V 50Hz	CJ19-25/20 24V 50Hz	243813
25A	3P	2NO	AC 24V 60Hz	CJ19-25/20 24V 60Hz	243814
25A	3P	2NO	AC 36V 50/60Hz	CJ19-25/20 36V 50/60Hz	243815
25A	3P	2NO	AC 36V 50Hz	CJ19-25/20 36V 50Hz	243816
25A	3P	2NO	AC 36V 60Hz	CJ19-25/20 36V 60Hz	243817
25A	3P	2NO	AC 380V 50/60Hz	CJ19-25/20 380V 50/60Hz	243818
25A	3P	2NO	AC 380V 50Hz	CJ19-25/20 380V 50Hz	243819
25A	3P	2NO	AC 380V 60Hz	CJ19-25/20 380V 60Hz	243820
25A	3P	2NO	AC 400V 50/60Hz	CJ19-25/20 400V 50/60Hz	243821
25A	3P	2NO	AC 400V 50Hz	CJ19-25/20 400V 50Hz	243822
25A	3P	2NO	AC 400V 60Hz	CJ19-25/20 400V 60Hz	243823
25A	3P	2NO	AC 415V 50/60Hz	CJ19-25/20 415V 50/60Hz	243824
25A	3P	2NO	AC 415V 50Hz	CJ19-25/20 415V 50Hz	243825
25A	3P	2NO	AC 415V 60Hz	CJ19-25/20 415V 60Hz	243826
25A	3P	2NO	AC 42V 50/60Hz	CJ19-25/20 42V 50/60Hz	243827
25A	3P	2NO	AC 42V 50Hz	CJ19-25/20 42V 50Hz	243828
25A	3P	2NO	AC 42V 60Hz	CJ19-25/20 42V 60Hz	243829
25A	3P	2NO	AC 440V 50/60Hz	CJ19-25/20 440V 50/60Hz	243830
25A	3P	2NO	AC 440V 50Hz	CJ19-25/20 440V 50Hz	243831
25A	3P	2NO	AC 440V 60Hz	CJ19-25/20 440V 60Hz	243832
25A	3P	2NO	AC 48V 50/60Hz	CJ19-25/20 48V 50/60Hz	243833
25A	3P	2NO	AC 48V 50Hz	CJ19-25/20 48V 50Hz	243834
25A	3P	2NO	AC 48V 60Hz	CJ19-25/20 48V 60Hz	243835

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3P	2NC	AC 110V 50/60Hz	CJ19-32/02 110V 50/60Hz	243836
32A	3P	2NC	AC 110V 50Hz	CJ19-32/02 110V 50Hz	243837
32A	3P	2NC	AC 110V 60Hz	CJ19-32/02 110V 60Hz	243838
32A	3P	2NC	AC 127V 50/60Hz	CJ19-32/02 127V 50/60Hz	243839
32A	3P	2NC	AC 127V 50Hz	CJ19-32/02 127V 50Hz	243840
32A	3P	2NC	AC 127V 60Hz	CJ19-32/02 127V 60Hz	243841
32A	3P	2NC	AC 220V 50/60Hz	CJ19-32/02 220V 50/60Hz	243842
32A	3P	2NC	AC 220V 50Hz	CJ19-32/02 220V 50Hz	243843
32A	3P	2NC	AC 220V 60Hz	CJ19-32/02 220V 60Hz	243844
32A	3P	2NC	AC 230V 50/60Hz	CJ19-32/02 230V 50/60Hz	243845
32A	3P	2NC	AC 230V 50Hz	CJ19-32/02 230V 50Hz	243846
32A	3P	2NC	AC 230V 60Hz	CJ19-32/02 230V 60Hz	243847
32A	3P	2NC	AC 240V 50/60Hz	CJ19-32/02 240V 50/60Hz	243848
32A	3P	2NC	AC 240V 50Hz	CJ19-32/02 240V 50Hz	243849
32A	3P	2NC	AC 240V 60Hz	CJ19-32/02 240V 60Hz	243850
32A	3P	2NC	AC 24V 50/60Hz	CJ19-32/02 24V 50/60Hz	243851
32A	3P	2NC	AC 24V 50Hz	CJ19-32/02 24V 50Hz	243852
32A	3P	2NC	AC 24V 60Hz	CJ19-32/02 24V 60Hz	243853
32A	3P	2NC	AC 36V 50/60Hz	CJ19-32/02 36V 50/60Hz	243854
32A	3P	2NC	AC 36V 50Hz	CJ19-32/02 36V 50Hz	243855
32A	3P	2NC	AC 36V 60Hz	CJ19-32/02 36V 60Hz	243856
32A	3P	2NC	AC 380V 50/60Hz	CJ19-32/02 380V 50/60Hz	243857
32A	3P	2NC	AC 380V 50Hz	CJ19-32/02 380V 50Hz	243858
32A	3P	2NC	AC 380V 60Hz	CJ19-32/02 380V 60Hz	243859
32A	3P	2NC	AC 400V 50/60Hz	CJ19-32/02 400V 50/60Hz	243860
32A	3P	2NC	AC 400V 50Hz	CJ19-32/02 400V 50Hz	243861
32A	3P	2NC	AC 400V 60Hz	CJ19-32/02 400V 60Hz	243862
32A	3P	2NC	AC 415V 50/60Hz	CJ19-32/02 415V 50/60Hz	243863
32A	3P	2NC	AC 415V 50Hz	CJ19-32/02 415V 50Hz	243864
32A	3P	2NC	AC 415V 60Hz	CJ19-32/02 415V 60Hz	243865
32A	3P	2NC	AC 42V 50/60Hz	CJ19-32/02 42V 50/60Hz	243866
32A	3P	2NC	AC 42V 50Hz	CJ19-32/02 42V 50Hz	243867
32A	3P	2NC	AC 42V 60Hz	CJ19-32/02 42V 60Hz	243868
32A	3P	2NC	AC 440V 50/60Hz	CJ19-32/02 440V 50/60Hz	243869
32A	3P	2NC	AC 440V 50Hz	CJ19-32/02 440V 50Hz	243870
32A	3P	2NC	AC 440V 60Hz	CJ19-32/02 440V 60Hz	243871
32A	3P	2NC	AC 48V 50/60Hz	CJ19-32/02 48V 50/60Hz	243872
32A	3P	2NC	AC 48V 50Hz	CJ19-32/02 48V 50Hz	243873
32A	3P	2NC	AC 48V 60Hz	CJ19-32/02 48V 60Hz	243874

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3P	1NO+1NC	AC 110V 50/60Hz	CJ19-32/11 110V 50/60Hz	243875
32A	3P	1NO+1NC	AC 110V 50Hz	CJ19-32/11 110V 50Hz	243876
32A	3P	1NO+1NC	AC 110V 60Hz	CJ19-32/11 110V 60Hz	243877
32A	3P	1NO+1NC	AC 127V 50/60Hz	CJ19-32/11 127V 50/60Hz	243878
32A	3P	1NO+1NC	AC 127V 50Hz	CJ19-32/11 127V 50Hz	243879
32A	3P	1NO+1NC	AC 127V 60Hz	CJ19-32/11 127V 60Hz	243880
32A	3P	1NO+1NC	AC 220V 50/60Hz	CJ19-32/11 220V 50/60Hz	243881
32A	3P	1NO+1NC	AC 220V 50Hz	CJ19-32/11 220V 50Hz	243882
32A	3P	1NO+1NC	AC 220V 60Hz	CJ19-32/11 220V 60Hz	243883
32A	3P	1NO+1NC	AC 230V 50/60Hz	CJ19-32/11 230V 50/60Hz	243884
32A	3P	1NO+1NC	AC 230V 50Hz	CJ19-32/11 230V 50Hz	243885
32A	3P	1NO+1NC	AC 230V 60Hz	CJ19-32/11 230V 60Hz	243886
32A	3P	1NO+1NC	AC 240V 50/60Hz	CJ19-32/11 240V 50/60Hz	243887
32A	3P	1NO+1NC	AC 240V 50Hz	CJ19-32/11 240V 50Hz	243888
32A	3P	1NO+1NC	AC 240V 60Hz	CJ19-32/11 240V 60Hz	243889
32A	3P	1NO+1NC	AC 24V 50/60Hz	CJ19-32/11 24V 50/60Hz	243890
32A	3P	1NO+1NC	AC 24V 50Hz	CJ19-32/11 24V 50Hz	243891
32A	3P	1NO+1NC	AC 24V 60Hz	CJ19-32/11 24V 60Hz	243892
32A	3P	1NO+1NC	AC 36V 50/60Hz	CJ19-32/11 36V 50/60Hz	243893
32A	3P	1NO+1NC	AC 36V 50Hz	CJ19-32/11 36V 50Hz	243894
32A	3P	1NO+1NC	AC 36V 60Hz	CJ19-32/11 36V 60Hz	243895
32A	3P	1NO+1NC	AC 380V 50/60Hz	CJ19-32/11 380V 50/60Hz	243896
32A	3P	1NO+1NC	AC 380V 50Hz	CJ19-32/11 380V 50Hz	243897
32A	3P	1NO+1NC	AC 380V 60Hz	CJ19-32/11 380V 60Hz	243898
32A	3P	1NO+1NC	AC 400V 50/60Hz	CJ19-32/11 400V 50/60Hz	243899
32A	3P	1NO+1NC	AC 400V 50Hz	CJ19-32/11 400V 50Hz	243900
32A	3P	1NO+1NC	AC 400V 60Hz	CJ19-32/11 400V 60Hz	243901
32A	3P	1NO+1NC	AC 415V 50/60Hz	CJ19-32/11 415V 50/60Hz	243902
32A	3P	1NO+1NC	AC 415V 50Hz	CJ19-32/11 415V 50Hz	243903
32A	3P	1NO+1NC	AC 415V 60Hz	CJ19-32/11 415V 60Hz	243904
32A	3P	1NO+1NC	AC 42V 50/60Hz	CJ19-32/11 42V 50/60Hz	243905
32A	3P	1NO+1NC	AC 42V 50Hz	CJ19-32/11 42V 50Hz	243906
32A	3P	1NO+1NC	AC 42V 60Hz	CJ19-32/11 42V 60Hz	243907
32A	3P	1NO+1NC	AC 440V 50/60Hz	CJ19-32/11 440V 50/60Hz	243908
32A	3P	1NO+1NC	AC 440V 50Hz	CJ19-32/11 440V 50Hz	243909
32A	3P	1NO+1NC	AC 440V 60Hz	CJ19-32/11 440V 60Hz	243910
32A	3P	1NO+1NC	AC 48V 50/60Hz	CJ19-32/11 48V 50/60Hz	243911
32A	3P	1NO+1NC	AC 48V 50Hz	CJ19-32/11 48V 50Hz	243912
32A	3P	1NO+1NC	AC 48V 60Hz	CJ19-32/11 48V 60Hz	243913
32A	3P	1NO+1NC	AC 480V 50/60Hz	CJ19-32/11 480V 50/60Hz	244234

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3P	2NO	AC 110V 50/60Hz	CJ19-32/20 110V 50/60Hz	243914
32A	3P	2NO	AC 110V 50Hz	CJ19-32/20 110V 50Hz	243915
32A	3P	2NO	AC 110V 60Hz	CJ19-32/20 110V 60Hz	243916
32A	3P	2NO	AC 127V 50/60Hz	CJ19-32/20 127V 50/60Hz	243917
32A	3P	2NO	AC 127V 50Hz	CJ19-32/20 127V 50Hz	243918
32A	3P	2NO	AC 127V 60Hz	CJ19-32/20 127V 60Hz	243919
32A	3P	2NO	AC 220V 50/60Hz	CJ19-32/20 220V 50/60Hz	243920
32A	3P	2NO	AC 220V 50Hz	CJ19-32/20 220V 50Hz	243921
32A	3P	2NO	AC 220V 60Hz	CJ19-32/20 220V 60Hz	243922
32A	3P	2NO	AC 230V 50/60Hz	CJ19-32/20 230V 50/60Hz	243923
32A	3P	2NO	AC 230V 50Hz	CJ19-32/20 230V 50Hz	243924
32A	3P	2NO	AC 230V 60Hz	CJ19-32/20 230V 60Hz	243925
32A	3P	2NO	AC 240V 50/60Hz	CJ19-32/20 240V 50/60Hz	243926
32A	3P	2NO	AC 240V 50Hz	CJ19-32/20 240V 50Hz	243927
32A	3P	2NO	AC 240V 60Hz	CJ19-32/20 240V 60Hz	243928
32A	3P	2NO	AC 24V 50/60Hz	CJ19-32/20 24V 50/60Hz	243929
32A	3P	2NO	AC 24V 50Hz	CJ19-32/20 24V 50Hz	243930
32A	3P	2NO	AC 24V 60Hz	CJ19-32/20 24V 60Hz	243931
32A	3P	2NO	AC 36V 50/60Hz	CJ19-32/20 36V 50/60Hz	243932
32A	3P	2NO	AC 36V 50Hz	CJ19-32/20 36V 50Hz	243933
32A	3P	2NO	AC 36V 60Hz	CJ19-32/20 36V 60Hz	243934
32A	3P	2NO	AC 380V 50/60Hz	CJ19-32/20 380V 50/60Hz	243935
32A	3P	2NO	AC 380V 50Hz	CJ19-32/20 380V 50Hz	243936
32A	3P	2NO	AC 380V 60Hz	CJ19-32/20 380V 60Hz	243937
32A	3P	2NO	AC 400V 50/60Hz	CJ19-32/20 400V 50/60Hz	243938
32A	3P	2NO	AC 400V 50Hz	CJ19-32/20 400V 50Hz	243939
32A	3P	2NO	AC 400V 60Hz	CJ19-32/20 400V 60Hz	243940
32A	3P	2NO	AC 415V 50/60Hz	CJ19-32/20 415V 50/60Hz	243941
32A	3P	2NO	AC 415V 50Hz	CJ19-32/20 415V 50Hz	243942
32A	3P	2NO	AC 415V 60Hz	CJ19-32/20 415V 60Hz	243943
32A	3P	2NO	AC 42V 50/60Hz	CJ19-32/20 42V 50/60Hz	243944
32A	3P	2NO	AC 42V 50Hz	CJ19-32/20 42V 50Hz	243945
32A	3P	2NO	AC 42V 60Hz	CJ19-32/20 42V 60Hz	243946
32A	3P	2NO	AC 440V 50/60Hz	CJ19-32/20 440V 50/60Hz	243947
32A	3P	2NO	AC 440V 50Hz	CJ19-32/20 440V 50Hz	243948
32A	3P	2NO	AC 440V 60Hz	CJ19-32/20 440V 60Hz	243949
32A	3P	2NO	AC 48V 50/60Hz	CJ19-32/20 48V 50/60Hz	243950
32A	3P	2NO	AC 48V 50Hz	CJ19-32/20 48V 50Hz	243951
32A	3P	2NO	AC 48V 60Hz	CJ19-32/20 48V 60Hz	243952

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
43A	3P	2NC	AC 110V 50/60Hz	CJ19-43/02 110V 50/60Hz	243953
43A	3P	2NC	AC 110V 50Hz	CJ19-43/02 110V 50Hz	243954
43A	3P	2NC	AC 110V 60Hz	CJ19-43/02 110V 60Hz	243955
43A	3P	2NC	AC 127V 50/60Hz	CJ19-43/02 127V 50/60Hz	243956
43A	3P	2NC	AC 127V 50Hz	CJ19-43/02 127V 50Hz	243957
43A	3P	2NC	AC 127V 60Hz	CJ19-43/02 127V 60Hz	243958
43A	3P	2NC	AC 220V 50/60Hz	CJ19-43/02 220V 50/60Hz	243959
43A	3P	2NC	AC 220V 50Hz	CJ19-43/02 220V 50Hz	243960
43A	3P	2NC	AC 220V 60Hz	CJ19-43/02 220V 60Hz	243961
43A	3P	2NC	AC 230V 50/60Hz	CJ19-43/02 230V 50/60Hz	243962
43A	3P	2NC	AC 230V 50Hz	CJ19-43/02 230V 50Hz	243963
43A	3P	2NC	AC 230V 60Hz	CJ19-43/02 230V 60Hz	243964
43A	3P	2NC	AC 240V 50/60Hz	CJ19-43/02 240V 50/60Hz	243965
43A	3P	2NC	AC 240V 50Hz	CJ19-43/02 240V 50Hz	243966
43A	3P	2NC	AC 240V 60Hz	CJ19-43/02 240V 60Hz	243967
43A	3P	2NC	AC 24V 50/60Hz	CJ19-43/02 24V 50/60Hz	243968
43A	3P	2NC	AC 24V 50Hz	CJ19-43/02 24V 50Hz	243969
43A	3P	2NC	AC 24V 60Hz	CJ19-43/02 24V 60Hz	243970
43A	3P	2NC	AC 36V 50/60Hz	CJ19-43/02 36V 50/60Hz	243971
43A	3P	2NC	AC 36V 50Hz	CJ19-43/02 36V 50Hz	243972
43A	3P	2NC	AC 36V 60Hz	CJ19-43/02 36V 60Hz	243973
43A	3P	2NC	AC 380V 50/60Hz	CJ19-43/02 380V 50/60Hz	243974
43A	3P	2NC	AC 380V 50Hz	CJ19-43/02 380V 50Hz	243975
43A	3P	2NC	AC 380V 60Hz	CJ19-43/02 380V 60Hz	243976
43A	3P	2NC	AC 400V 50/60Hz	CJ19-43/02 400V 50/60Hz	243977
43A	3P	2NC	AC 400V 50Hz	CJ19-43/02 400V 50Hz	243978
43A	3P	2NC	AC 400V 60Hz	CJ19-43/02 400V 60Hz	243979
43A	3P	2NC	AC 415V 50/60Hz	CJ19-43/02 415V 50/60Hz	243980
43A	3P	2NC	AC 415V 50Hz	CJ19-43/02 415V 50Hz	243981
43A	3P	2NC	AC 415V 60Hz	CJ19-43/02 415V 60Hz	243982
43A	3P	2NC	AC 42V 50/60Hz	CJ19-43/02 42V 50/60Hz	243983
43A	3P	2NC	AC 42V 50Hz	CJ19-43/02 42V 50Hz	243984
43A	3P	2NC	AC 42V 60Hz	CJ19-43/02 42V 60Hz	243985
43A	3P	2NC	AC 440V 50/60Hz	CJ19-43/02 440V 50/60Hz	243986
43A	3P	2NC	AC 440V 50Hz	CJ19-43/02 440V 50Hz	243987
43A	3P	2NC	AC 440V 60Hz	CJ19-43/02 440V 60Hz	243988
43A	3P	2NC	AC 48V 50/60Hz	CJ19-43/02 48V 50/60Hz	243989
43A	3P	2NC	AC 48V 50Hz	CJ19-43/02 48V 50Hz	243990
43A	3P	2NC	AC 48V 60Hz	CJ19-43/02 48V 60Hz	243991

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
43A	3P	1NO+1NC	AC 110V 50/60Hz	CJ19-43/11 110V 50/60Hz	243992
43A	3P	1NO+1NC	AC 110V 50Hz	CJ19-43/11 110V 50Hz	243993
43A	3P	1NO+1NC	AC 110V 60Hz	CJ19-43/11 110V 60Hz	243994
43A	3P	1NO+1NC	AC 127V 50/60Hz	CJ19-43/11 127V 50/60Hz	243995
43A	3P	1NO+1NC	AC 127V 50Hz	CJ19-43/11 127V 50Hz	243996
43A	3P	1NO+1NC	AC 127V 60Hz	CJ19-43/11 127V 60Hz	243997
43A	3P	1NO+1NC	AC 220V 50/60Hz	CJ19-43/11 220V 50/60Hz	243998
43A	3P	1NO+1NC	AC 220V 50Hz	CJ19-43/11 220V 50Hz	243999
43A	3P	1NO+1NC	AC 220V 60Hz	CJ19-43/11 220V 60Hz	244000
43A	3P	1NO+1NC	AC 230V 50/60Hz	CJ19-43/11 230V 50/60Hz	244001
43A	3P	1NO+1NC	AC 230V 50Hz	CJ19-43/11 230V 50Hz	244002
43A	3P	1NO+1NC	AC 230V 60Hz	CJ19-43/11 230V 60Hz	244003
43A	3P	1NO+1NC	AC 240V 50/60Hz	CJ19-43/11 240V 50/60Hz	244004
43A	3P	1NO+1NC	AC 240V 50Hz	CJ19-43/11 240V 50Hz	244005
43A	3P	1NO+1NC	AC 240V 60Hz	CJ19-43/11 240V 60Hz	244006
43A	3P	1NO+1NC	AC 24V 50/60Hz	CJ19-43/11 24V 50/60Hz	244007
43A	3P	1NO+1NC	AC 24V 50Hz	CJ19-43/11 24V 50Hz	244008
43A	3P	1NO+1NC	AC 24V 60Hz	CJ19-43/11 24V 60Hz	244009
43A	3P	1NO+1NC	AC 36V 50/60Hz	CJ19-43/11 36V 50/60Hz	244010
43A	3P	1NO+1NC	AC 36V 50Hz	CJ19-43/11 36V 50Hz	244011
43A	3P	1NO+1NC	AC 36V 60Hz	CJ19-43/11 36V 60Hz	244012
43A	3P	1NO+1NC	AC 380V 50/60Hz	CJ19-43/11 380V 50/60Hz	244013
43A	3P	1NO+1NC	AC 380V 50Hz	CJ19-43/11 380V 50Hz	244014
43A	3P	1NO+1NC	AC 380V 60Hz	CJ19-43/11 380V 60Hz	244015
43A	3P	1NO+1NC	AC 400V 50/60Hz	CJ19-43/11 400V 50/60Hz	244016
43A	3P	1NO+1NC	AC 400V 50Hz	CJ19-43/11 400V 50Hz	244017
43A	3P	1NO+1NC	AC 400V 60Hz	CJ19-43/11 400V 60Hz	244018
43A	3P	1NO+1NC	AC 415V 50/60Hz	CJ19-43/11 415V 50/60Hz	244019
43A	3P	1NO+1NC	AC 415V 50Hz	CJ19-43/11 415V 50Hz	244020
43A	3P	1NO+1NC	AC 415V 60Hz	CJ19-43/11 415V 60Hz	244021
43A	3P	1NO+1NC	AC 42V 50/60Hz	CJ19-43/11 42V 50/60Hz	244022
43A	3P	1NO+1NC	AC 42V 50Hz	CJ19-43/11 42V 50Hz	244023
43A	3P	1NO+1NC	AC 42V 60Hz	CJ19-43/11 42V 60Hz	244024
43A	3P	1NO+1NC	AC 440V 50/60Hz	CJ19-43/11 440V 50/60Hz	244025
43A	3P	1NO+1NC	AC 440V 50Hz	CJ19-43/11 440V 50Hz	244026
43A	3P	1NO+1NC	AC 440V 60Hz	CJ19-43/11 440V 60Hz	244027
43A	3P	1NO+1NC	AC 48V 50/60Hz	CJ19-43/11 48V 50/60Hz	244028
43A	3P	1NO+1NC	AC 48V 50Hz	CJ19-43/11 48V 50Hz	244029
43A	3P	1NO+1NC	AC 48V 60Hz	CJ19-43/11 48V 60Hz	244030
43A	3P	1NO+1NC	AC 480V 50/60Hz	CJ19-43/11 480V 50/60Hz	244233

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
43A	3P	2NO	AC 110V 50Hz	CJ19-43/20 110V 50Hz	244032
43A	3P	2NO	AC 110V 60Hz	CJ19-43/20 110V 60Hz	244033
43A	3P	2NO	AC 127V 50/60Hz	CJ19-43/20 127V 50/60Hz	244034
43A	3P	2NO	AC 127V 50Hz	CJ19-43/20 127V 50Hz	244035
43A	3P	2NO	AC 127V 60Hz	CJ19-43/20 127V 60Hz	244036
43A	3P	2NO	AC 220V 50/60Hz	CJ19-43/20 220V 50/60Hz	244037
43A	3P	2NO	AC 220V 50Hz	CJ19-43/20 220V 50Hz	244038
43A	3P	2NO	AC 220V 60Hz	CJ19-43/20 220V 60Hz	244039
43A	3P	2NO	AC 230V 50/60Hz	CJ19-43/20 230V 50/60Hz	244040
43A	3P	2NO	AC 230V 50Hz	CJ19-43/20 230V 50Hz	244041
43A	3P	2NO	AC 230V 60Hz	CJ19-43/20 230V 60Hz	244042
43A	3P	2NO	AC 240V 50/60Hz	CJ19-43/20 240V 50/60Hz	244043
43A	3P	2NO	AC 240V 50Hz	CJ19-43/20 240V 50Hz	244044
43A	3P	2NO	AC 240V 60Hz	CJ19-43/20 240V 60Hz	244045
43A	3P	2NO	AC 24V 50/60Hz	CJ19-43/20 24V 50/60Hz	244046
43A	3P	2NO	AC 24V 50Hz	CJ19-43/20 24V 50Hz	244047
43A	3P	2NO	AC 24V 60Hz	CJ19-43/20 24V 60Hz	244048
43A	3P	2NO	AC 36V 50/60Hz	CJ19-43/20 36V 50/60Hz	244049
43A	3P	2NO	AC 36V 50Hz	CJ19-43/20 36V 50Hz	244050
43A	3P	2NO	AC 36V 60Hz	CJ19-43/20 36V 60Hz	244051
43A	3P	2NO	AC 380V 50/60Hz	CJ19-43/20 380V 50/60Hz	244052
43A	3P	2NO	AC 380V 50Hz	CJ19-43/20 380V 50Hz	244053
43A	3P	2NO	AC 380V 60Hz	CJ19-43/20 380V 60Hz	244054
43A	3P	2NO	AC 400V 50/60Hz	CJ19-43/20 400V 50/60Hz	244055
43A	3P	2NO	AC 400V 50Hz	CJ19-43/20 400V 50Hz	244056
43A	3P	2NO	AC 400V 60Hz	CJ19-43/20 400V 60Hz	244057
43A	3P	2NO	AC 415V 50/60Hz	CJ19-43/20 415V 50/60Hz	244058
43A	3P	2NO	AC 415V 50Hz	CJ19-43/20 415V 50Hz	244059
43A	3P	2NO	AC 415V 60Hz	CJ19-43/20 415V 60Hz	244060
43A	3P	2NO	AC 42V 50/60Hz	CJ19-43/20 42V 50/60Hz	244061
43A	3P	2NO	AC 42V 50Hz	CJ19-43/20 42V 50Hz	244062
43A	3P	2NO	AC 42V 60Hz	CJ19-43/20 42V 60Hz	244063
43A	3P	2NO	AC 440V 50/60Hz	CJ19-43/20 440V 50/60Hz	244064
43A	3P	2NO	AC 440V 50Hz	CJ19-43/20 440V 50Hz	244065
43A	3P	2NO	AC 440V 60Hz	CJ19-43/20 440V 60Hz	244066
43A	3P	2NO	AC 48V 50/60Hz	CJ19-43/20 48V 50/60Hz	244067
43A	3P	2NO	AC 48V 50Hz	CJ19-43/20 48V 50Hz	244068
43A	3P	2NO	AC 48V 60Hz	CJ19-43/20 48V 60Hz	244069

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
63A	3P	1NO+2NC	AC 110V 50/60Hz	CJ19-63/12 110V 50/60Hz	244073
63A	3P	1NO+2NC	AC 110V 50Hz	CJ19-63/12 110V 50Hz	244074
63A	3P	1NO+2NC	AC 110V 60Hz	CJ19-63/12 110V 60Hz	244075
63A	3P	1NO+2NC	AC 127V 50/60Hz	CJ19-63/12 127V 50/60Hz	244076
63A	3P	1NO+2NC	AC 127V 50Hz	CJ19-63/12 127V 50Hz	244077
63A	3P	1NO+2NC	AC 127V 60Hz	CJ19-63/12 127V 60Hz	244078
63A	3P	1NO+2NC	AC 220V 50/60Hz	CJ19-63/12 220V 50/60Hz	244079
63A	3P	1NO+2NC	AC 220V 50Hz	CJ19-63/12 220V 50Hz	244080
63A	3P	1NO+2NC	AC 220V 60Hz	CJ19-63/12 220V 60Hz	244081
63A	3P	1NO+2NC	AC 230V 50/60Hz	CJ19-63/12 230V 50/60Hz	244082
63A	3P	1NO+2NC	AC 230V 50Hz	CJ19-63/12 230V 50Hz	244083
63A	3P	1NO+2NC	AC 230V 60Hz	CJ19-63/12 230V 60Hz	244084
63A	3P	1NO+2NC	AC 240V 50/60Hz	CJ19-63/12 240V 50/60Hz	244085
63A	3P	1NO+2NC	AC 240V 50Hz	CJ19-63/12 240V 50Hz	244086
63A	3P	1NO+2NC	AC 240V 60Hz	CJ19-63/12 240V 60Hz	244087
63A	3P	1NO+2NC	AC 24V 50/60Hz	CJ19-63/12 24V 50/60Hz	244088
63A	3P	1NO+2NC	AC 24V 50Hz	CJ19-63/12 24V 50Hz	244089
63A	3P	1NO+2NC	AC 24V 60Hz	CJ19-63/12 24V 60Hz	244090
63A	3P	1NO+2NC	AC 36V 50/60Hz	CJ19-63/12 36V 50/60Hz	244091
63A	3P	1NO+2NC	AC 36V 50Hz	CJ19-63/12 36V 50Hz	244092
63A	3P	1NO+2NC	AC 36V 60Hz	CJ19-63/12 36V 60Hz	244093
63A	3P	1NO+2NC	AC 380V 50/60Hz	CJ19-63/12 380V 50/60Hz	244094
63A	3P	1NO+2NC	AC 380V 50Hz	CJ19-63/12 380V 50Hz	244095
63A	3P	1NO+2NC	AC 380V 60Hz	CJ19-63/12 380V 60Hz	244096
63A	3P	1NO+2NC	AC 400V 50/60Hz	CJ19-63/12 400V 50/60Hz	244097
63A	3P	1NO+2NC	AC 400V 50Hz	CJ19-63/12 400V 50Hz	244098
63A	3P	1NO+2NC	AC 400V 60Hz	CJ19-63/12 400V 60Hz	244099
63A	3P	1NO+2NC	AC 415V 50/60Hz	CJ19-63/12 415V 50/60Hz	244100
63A	3P	1NO+2NC	AC 415V 50Hz	CJ19-63/12 415V 50Hz	244101
63A	3P	1NO+2NC	AC 415V 60Hz	CJ19-63/12 415V 60Hz	244102
63A	3P	1NO+2NC	AC 42V 50/60Hz	CJ19-63/12 42V 50/60Hz	244103
63A	3P	1NO+2NC	AC 42V 50Hz	CJ19-63/12 42V 50Hz	244104
63A	3P	1NO+2NC	AC 42V 60Hz	CJ19-63/12 42V 60Hz	244105
63A	3P	1NO+2NC	AC 440V 50/60Hz	CJ19-63/12 440V 50/60Hz	244106
63A	3P	1NO+2NC	AC 440V 50Hz	CJ19-63/12 440V 50Hz	244107
63A	3P	1NO+2NC	AC 440V 60Hz	CJ19-63/12 440V 60Hz	244108
63A	3P	1NO+2NC	AC 48V 50/60Hz	CJ19-63/12 48V 50/60Hz	244109
63A	3P	1NO+2NC	AC 48V 50Hz	CJ19-63/12 48V 50Hz	244110
63A	3P	1NO+2NC	AC 48V 60Hz	CJ19-63/12 48V 60Hz	244111

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
63A	3P	2NO+1NC	AC 110V 50/60Hz	CJ19-63/21 110V 50/60Hz	244115
63A	3P	2NO+1NC	AC 110V 50Hz	CJ19-63/21 110V 50Hz	244116
63A	3P	2NO+1NC	AC 110V 60Hz	CJ19-63/21 110V 60Hz	244117
63A	3P	2NO+1NC	AC 127V 50/60Hz	CJ19-63/21 127V 50/60Hz	244118
63A	3P	2NO+1NC	AC 127V 50Hz	CJ19-63/21 127V 50Hz	244119
63A	3P	2NO+1NC	AC 127V 60Hz	CJ19-63/21 127V 60Hz	244120
63A	3P	2NO+1NC	AC 220V 50/60Hz	CJ19-63/21 220V 50/60Hz	244121
63A	3P	2NO+1NC	AC 220V 50Hz	CJ19-63/21 220V 50Hz	244122
63A	3P	2NO+1NC	AC 220V 60Hz	CJ19-63/21 220V 60Hz	244123
63A	3P	2NO+1NC	AC 230V 50/60Hz	CJ19-63/21 230V 50/60Hz	244124
63A	3P	2NO+1NC	AC 230V 50Hz	CJ19-63/21 230V 50Hz	244125
63A	3P	2NO+1NC	AC 230V 60Hz	CJ19-63/21 230V 60Hz	244126
63A	3P	2NO+1NC	AC 240V 50/60Hz	CJ19-63/21 240V 50/60Hz	244127
63A	3P	2NO+1NC	AC 240V 50Hz	CJ19-63/21 240V 50Hz	244128
63A	3P	2NO+1NC	AC 240V 60Hz	CJ19-63/21 240V 60Hz	244129
63A	3P	2NO+1NC	AC 24V 50/60Hz	CJ19-63/21 24V 50/60Hz	244130
63A	3P	2NO+1NC	AC 24V 50Hz	CJ19-63/21 24V 50Hz	244131
63A	3P	2NO+1NC	AC 24V 60Hz	CJ19-63/21 24V 60Hz	244132
63A	3P	2NO+1NC	AC 36V 50/60Hz	CJ19-63/21 36V 50/60Hz	244133
63A	3P	2NO+1NC	AC 36V 50Hz	CJ19-63/21 36V 50Hz	244134
63A	3P	2NO+1NC	AC 36V 60Hz	CJ19-63/21 36V 60Hz	244135
63A	3P	2NO+1NC	AC 380V 50/60Hz	CJ19-63/21 380V 50/60Hz	244136
63A	3P	2NO+1NC	AC 380V 50Hz	CJ19-63/21 380V 50Hz	244137
63A	3P	2NO+1NC	AC 380V 60Hz	CJ19-63/21 380V 60Hz	244138
63A	3P	2NO+1NC	AC 400V 50/60Hz	CJ19-63/21 400V 50/60Hz	244139
63A	3P	2NO+1NC	AC 400V 50Hz	CJ19-63/21 400V 50Hz	244140
63A	3P	2NO+1NC	AC 400V 60Hz	CJ19-63/21 400V 60Hz	244141
63A	3P	2NO+1NC	AC 415V 50/60Hz	CJ19-63/21 415V 50/60Hz	244142
63A	3P	2NO+1NC	AC 415V 50Hz	CJ19-63/21 415V 50Hz	244143
63A	3P	2NO+1NC	AC 415V 60Hz	CJ19-63/21 415V 60Hz	244144
63A	3P	2NO+1NC	AC 42V 50/60Hz	CJ19-63/21 42V 50/60Hz	244145
63A	3P	2NO+1NC	AC 42V 50Hz	CJ19-63/21 42V 50Hz	244146
63A	3P	2NO+1NC	AC 42V 60Hz	CJ19-63/21 42V 60Hz	244147
63A	3P	2NO+1NC	AC 440V 50/60Hz	CJ19-63/21 440V 50/60Hz	244148
63A	3P	2NO+1NC	AC 440V 50Hz	CJ19-63/21 440V 50Hz	244149
63A	3P	2NO+1NC	AC 440V 60Hz	CJ19-63/21 440V 60Hz	244150
63A	3P	2NO+1NC	AC 48V 50/60Hz	CJ19-63/21 48V 50/60Hz	244151
63A	3P	2NO+1NC	AC 48V 50Hz	CJ19-63/21 48V 50Hz	244152
63A	3P	2NO+1NC	AC 48V 60Hz	CJ19-63/21 48V 60Hz	244153
63A	3P	2NO+1NC	AC 480V 50/60Hz	CJ19-63/21 480V 50/60Hz	244237

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
95A	3P	1NO+2NC	AC 110V 50/60Hz	CJ19-95/12 110V 50/60Hz	244154
95A	3P	1NO+2NC	AC 110V 50Hz	CJ19-95/12 110V 50Hz	244155
95A	3P	1NO+2NC	AC 110V 60Hz	CJ19-95/12 110V 60Hz	244156
95A	3P	1NO+2NC	AC 127V 50/60Hz	CJ19-95/12 127V 50/60Hz	244157
95A	3P	1NO+2NC	AC 127V 50Hz	CJ19-95/12 127V 50Hz	244158
95A	3P	1NO+2NC	AC 127V 60Hz	CJ19-95/12 127V 60Hz	244159
95A	3P	1NO+2NC	AC 220V 50/60Hz	CJ19-95/12 220V 50/60Hz	244160
95A	3P	1NO+2NC	AC 220V 50Hz	CJ19-95/12 220V 50Hz	244161
95A	3P	1NO+2NC	AC 220V 60Hz	CJ19-95/12 220V 60Hz	244162
95A	3P	1NO+2NC	AC 230V 50/60Hz	CJ19-95/12 230V 50/60Hz	244163
95A	3P	1NO+2NC	AC 230V 50Hz	CJ19-95/12 230V 50Hz	244164
95A	3P	1NO+2NC	AC 230V 60Hz	CJ19-95/12 230V 60Hz	244165
95A	3P	1NO+2NC	AC 240V 50/60Hz	CJ19-95/12 240V 50/60Hz	244166
95A	3P	1NO+2NC	AC 240V 50Hz	CJ19-95/12 240V 50Hz	244167
95A	3P	1NO+2NC	AC 240V 60Hz	CJ19-95/12 240V 60Hz	244168
95A	3P	1NO+2NC	AC 24V 50/60Hz	CJ19-95/12 24V 50/60Hz	244169
95A	3P	1NO+2NC	AC 24V 50Hz	CJ19-95/12 24V 50Hz	244170
95A	3P	1NO+2NC	AC 24V 60Hz	CJ19-95/12 24V 60Hz	244171
95A	3P	1NO+2NC	AC 36V 50/60Hz	CJ19-95/12 36V 50/60Hz	244172
95A	3P	1NO+2NC	AC 36V 50Hz	CJ19-95/12 36V 50Hz	244173
95A	3P	1NO+2NC	AC 36V 60Hz	CJ19-95/12 36V 60Hz	244174
95A	3P	1NO+2NC	AC 380V 50/60Hz	CJ19-95/12 380V 50/60Hz	244175
95A	3P	1NO+2NC	AC 380V 50Hz	CJ19-95/12 380V 50Hz	244176
95A	3P	1NO+2NC	AC 380V 60Hz	CJ19-95/12 380V 60Hz	244177
95A	3P	1NO+2NC	AC 400V 50/60Hz	CJ19-95/12 400V 50/60Hz	244178
95A	3P	1NO+2NC	AC 400V 50Hz	CJ19-95/12 400V 50Hz	244179
95A	3P	1NO+2NC	AC 400V 60Hz	CJ19-95/12 400V 60Hz	244180
95A	3P	1NO+2NC	AC 415V 50/60Hz	CJ19-95/12 415V 50/60Hz	244181
95A	3P	1NO+2NC	AC 415V 50Hz	CJ19-95/12 415V 50Hz	244182
95A	3P	1NO+2NC	AC 415V 60Hz	CJ19-95/12 415V 60Hz	244183
95A	3P	1NO+2NC	AC 42V 50/60Hz	CJ19-95/12 42V 50/60Hz	244184
95A	3P	1NO+2NC	AC 42V 50Hz	CJ19-95/12 42V 50Hz	244185
95A	3P	1NO+2NC	AC 42V 60Hz	CJ19-95/12 42V 60Hz	244186
95A	3P	1NO+2NC	AC 440V 50/60Hz	CJ19-95/12 440V 50/60Hz	244187
95A	3P	1NO+2NC	AC 440V 50Hz	CJ19-95/12 440V 50Hz	244188
95A	3P	1NO+2NC	AC 440V 60Hz	CJ19-95/12 440V 60Hz	244189
95A	3P	1NO+2NC	AC 48V 50/60Hz	CJ19-95/12 48V 50/60Hz	244190
95A	3P	1NO+2NC	AC 48V 50Hz	CJ19-95/12 48V 50Hz	244191
95A	3P	1NO+2NC	AC 48V 60Hz	CJ19-95/12 48V 60Hz	244192

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
95A	3P	2NO+1NC	AC 110V 50/60Hz	CJ19-95/21 110V 50/60Hz	244193
95A	3P	2NO+1NC	AC 110V 50Hz	CJ19-95/21 110V 50Hz	244194
95A	3P	2NO+1NC	AC 110V 60Hz	CJ19-95/21 110V 60Hz	244195
95A	3P	2NO+1NC	AC 127V 50/60Hz	CJ19-95/21 127V 50/60Hz	244196
95A	3P	2NO+1NC	AC 127V 50Hz	CJ19-95/21 127V 50Hz	244197
95A	3P	2NO+1NC	AC 127V 60Hz	CJ19-95/21 127V 60Hz	244198
95A	3P	2NO+1NC	AC 220V 50/60Hz	CJ19-95/21 220V 50/60Hz	244199
95A	3P	2NO+1NC	AC 220V 50Hz	CJ19-95/21 220V 50Hz	244200
95A	3P	2NO+1NC	AC 220V 60Hz	CJ19-95/21 220V 60Hz	244201
95A	3P	2NO+1NC	AC 230V 50/60Hz	CJ19-95/21 230V 50/60Hz	244202
95A	3P	2NO+1NC	AC 230V 50Hz	CJ19-95/21 230V 50Hz	244203
95A	3P	2NO+1NC	AC 230V 60Hz	CJ19-95/21 230V 60Hz	244204
95A	3P	2NO+1NC	AC 240V 50/60Hz	CJ19-95/21 240V 50/60Hz	244205
95A	3P	2NO+1NC	AC 240V 50Hz	CJ19-95/21 240V 50Hz	244206
95A	3P	2NO+1NC	AC 240V 60Hz	CJ19-95/21 240V 60Hz	244207
95A	3P	2NO+1NC	AC 24V 50/60Hz	CJ19-95/21 24V 50/60Hz	244208
95A	3P	2NO+1NC	AC 24V 50Hz	CJ19-95/21 24V 50Hz	244209
95A	3P	2NO+1NC	AC 24V 60Hz	CJ19-95/21 24V 60Hz	244210
95A	3P	2NO+1NC	AC 36V 50/60Hz	CJ19-95/21 36V 50/60Hz	244211
95A	3P	2NO+1NC	AC 36V 50Hz	CJ19-95/21 36V 50Hz	244212
95A	3P	2NO+1NC	AC 36V 60Hz	CJ19-95/21 36V 60Hz	244213
95A	3P	2NO+1NC	AC 380V 50/60Hz	CJ19-95/21 380V 50/60Hz	244214
95A	3P	2NO+1NC	AC 380V 50Hz	CJ19-95/21 380V 50Hz	244215
95A	3P	2NO+1NC	AC 380V 60Hz	CJ19-95/21 380V 60Hz	244216
95A	3P	2NO+1NC	AC 400V 50/60Hz	CJ19-95/21 400V 50/60Hz	244217
95A	3P	2NO+1NC	AC 400V 50Hz	CJ19-95/21 400V 50Hz	244218
95A	3P	2NO+1NC	AC 400V 60Hz	CJ19-95/21 400V 60Hz	244219
95A	3P	2NO+1NC	AC 415V 50/60Hz	CJ19-95/21 415V 50/60Hz	244220
95A	3P	2NO+1NC	AC 415V 50Hz	CJ19-95/21 415V 50Hz	244221
95A	3P	2NO+1NC	AC 415V 60Hz	CJ19-95/21 415V 60Hz	244222
95A	3P	2NO+1NC	AC 42V 50/60Hz	CJ19-95/21 42V 50/60Hz	244223
95A	3P	2NO+1NC	AC 42V 50Hz	CJ19-95/21 42V 50Hz	244224
95A	3P	2NO+1NC	AC 42V 60Hz	CJ19-95/21 42V 60Hz	244225
95A	3P	2NO+1NC	AC 440V 50/60Hz	CJ19-95/21 440V 50/60Hz	244226
95A	3P	2NO+1NC	AC 440V 50Hz	CJ19-95/21 440V 50Hz	244227
95A	3P	2NO+1NC	AC 440V 60Hz	CJ19-95/21 440V 60Hz	244228
95A	3P	2NO+1NC	AC 48V 50/60Hz	CJ19-95/21 48V 50/60Hz	244229
95A	3P	2NO+1NC	AC 48V 50Hz	CJ19-95/21 48V 50Hz	244230
95A	3P	2NO+1NC	AC 48V 60Hz	CJ19-95/21 48V 60Hz	244231
95A	3P	2NO+1NC	AC 480V 50/60Hz	CJ19-95/21 480V 50/60Hz	244236

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
115A	3P	1NC	AC 240V 50/60Hz	CJ19-115/01 240V 50/60Hz	219943
115A	3P	1NC	AC 415V 50/60Hz	CJ19-115/01 415V 50/60Hz	219952
115A	3P	1NC	AC 110V 50/60Hz	CJ19-115/01 110V 50/60Hz	244382
115A	3P	1NC	AC 127V 50/60Hz	CJ19-115/01 127V 50/60Hz	244383
115A	3P	1NC	AC 220V 50/60Hz	CJ19-115/01 220V 50/60Hz	244384
115A	3P	1NC	AC 380V 50/60Hz	CJ19-115/01 380V 50/60Hz	244385
115A	3P	1NC	AC 380V 50Hz	CJ19-115/01 380V 50Hz	244386
115A	3P	1NC	AC 415V 50Hz	CJ19-115/01 415V 50Hz	244387
115A	3P	1NO	AC 240V 50/60Hz	CJ19-115/10 240V 50/60Hz	219944
115A	3P	1NO	AC 110V 50/60Hz	CJ19-115/10 110V 50/60Hz	244388
115A	3P	1NO	AC 127V 50/60Hz	CJ19-115/10 127V 50/60Hz	244389
115A	3P	1NO	AC 220V 50/60Hz	CJ19-115/10 220V 50/60Hz	244390
115A	3P	1NO	AC 230V 50/60Hz	CJ19-115/10 230V 50/60Hz	244391
115A	3P	1NO	AC 380V 50/60Hz	CJ19-115/10 380V 50/60Hz	244392
115A	3P	1NO	AC 380V 50Hz	CJ19-115/10 380V 50Hz	244393
115A	3P	1NO	AC 220V 50Hz	CJ19-115/10 220V 50Hz	244570
150A	3P	1NC	AC 240V 50/60Hz	CJ19-150/01 240V 50/60Hz	219946
150A	3P	1NC	AC 110V 50/60Hz	CJ19-150/01 110V 50/60Hz	244394
150A	3P	1NC	AC 127V 50/60Hz	CJ19-150/01 127V 50/60Hz	244395
150A	3P	1NC	AC 220V 50/60Hz	CJ19-150/01 220V 50/60Hz	244396
150A	3P	1NC	AC 380V 50/60Hz	CJ19-150/01 380V 50/60Hz	244397
150A	3P	1NC	AC 380V 50Hz	CJ19-150/01 380V 50Hz	244398
150A	3P	1NO	AC 240V 50/60Hz	CJ19-150/10 240V 50/60Hz	219947
150A	3P	1NO	AC 110V 50/60Hz	CJ19-150/10 110V 50/60Hz	244399
150A	3P	1NO	AC 127V 50/60Hz	CJ19-150/10 127V 50/60Hz	244400
150A	3P	1NO	AC 220V 50/60Hz	CJ19-150/10 220V 50/60Hz	244401
150A	3P	1NO	AC 230V 50/60Hz	CJ19-150/10 230V 50/60Hz	244402
150A	3P	1NO	AC 380V 50/60Hz	CJ19-150/10 380V 50/60Hz	244403
150A	3P	1NO	AC 380V 50Hz	CJ19-150/10 380V 50Hz	244404
150A	3P	1NO	AC 230V 50Hz	CJ19-150/10 230V 50Hz	244414

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
170A	3P	1NC	AC 240V 50/60Hz	CJ19-170/01 240V 50/60Hz	219949
170A	3P	1NC	AC 110V 50/60Hz	CJ19-170/01 110V 50/60Hz	244405
170A	3P	1NC	AC 127V 50/60Hz	CJ19-170/01 127V 50/60Hz	244406
170A	3P	1NC	AC 220V 50/60Hz	CJ19-170/01 220V 50/60Hz	244407
170A	3P	1NC	AC 380V 50/60Hz	CJ19-170/01 380V 50/60Hz	244408
170A	3P	1NO	AC 240V 50/60Hz	CJ19-170/10 240V 50/60Hz	219950
170A	3P	1NO	AC 110V 50/60Hz	CJ19-170/10 110V 50/60Hz	244409
170A	3P	1NO	AC 127V 50/60Hz	CJ19-170/10 127V 50/60Hz	244410
170A	3P	1NO	AC 220V 50/60Hz	CJ19-170/10 220V 50/60Hz	244411
170A	3P	1NO	AC 230V 50/60Hz	CJ19-170/10 230V 50/60Hz	244412
170A	3P	1NO	AC 380V 50/60Hz	CJ19-170/10 380V 50/60Hz	244413
170A	3P	1NO	AC 230V 50Hz	CJ19-170/10 230V 50Hz	244415



NR8 Series Thermal Overload Relays

1. General

NR8 series thermal overload relay (hereinafter referred to as thermal relay) is used to provide overload and phase failure protection for AC motors with a frequency of AC 50Hz/60Hz, a voltage of up to 690V and a current of 0.1A-630A that operate continuously or intermittently.The thermal relay also has temperature compensation, operation indication, automatic and manual reset and stop functions and stable and reliable performances.

Standard: IEC 60947-4-1.

Plug-in mounting is used between the thermal relay and the contactor.

2. Operating conditions

2.1 Altitude: not higher than 2000m.

2.2 When the ambient tempeature is -5℃～+40℃, the mean value is no greater than +35℃ within 24 hours.

2.3 Atmospheric conditions: When the ambient air temperature is +40 ℃, the relative humidity of the air shall not be higher than 50%; a higher relative humidity is allowed at a lower temperature; for example, for the wettest month, the lowest temperature averaged shall not be higher than +25℃, the maximum relative humidity averaged shall be 90%, and special measures shall be taken for the condensation occasionally produced due to temperature change.

2.4 Class of pollution: 3.

2.5 The inclination between the mounting plane and the vertical plane shall not exceed 5°.

2.6 In non-explosive media that do not contain a sufficient amount of gas or conductive dust to cause metal corrosion or insulation failure.

2.7 In places with rain and snow protection equipment and not full of vapor.

2.8 In places where there is no significant shake, impact or vibration.

3. Technical data

Item			NR8-16	NR8-38	NR8-100	NR8-200	NR8-630
Current class			16	38	100	200	630
Nominal insulation voltage V			690	690	690	690	690
Phase failure protection			Have	Have	Have	Have	Have
Manual and automatic reset			Have	Have	Have	Manual	Manual
Temperature compensation			Have	Have	Have	Have	Have
Tripping indication			Have	Have	Have	Have	Have
Test button			Have	Have	Have	Have	Have
Stop button			Have	Have	Have	Have	Have
Mounting type			Plug-in type	Plug-in type	Plug-in type	Independent type	Independent type
Auxiliary contact			1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC
AC-15 230V rated current A			/	/	/	2.5	2.5
AC-15 380V/400V rated current A			1.5	1.5	1.5	1.5	1.5
DC-13 220V rated current A			0.2	0.2	0.2	0.2	0.2
Conductor cross-sectional area mm^2	Main circuit	Single-core or stranded conductor	1~2.5	1~10	6~35	25~98	50~2×185
		Terminal screw	M3.5	M4	M4	M8	M10
	Auxiliary circuit	Single-core or stranded conductor	1~2.5	1~2.5	1~2.5	1~2.5	1~2.5
		Terminal screw	M3.5	M3.5	M3.5	M3.5	M3.5

4. Others

4.1 Structural features

4.1.1 Three-phase bimetal type, tripping class 10A.

4.1.2 Phase failure protection.

4.1.3 Setting curent continuously adjustable device.

4.1.4 Temperature compensation.

4.1.5 Operation indication.

4.1.6 Testing mechanism.

4.1.7 Stop button.

4.1.8 Manual and automatic reset button.

4.1.9 One N.O. contact and one N.C. contact, electrically separable.

4.1.10 Mounting type: plug-in mounting with the contactor.

4.2 Protection characteristics

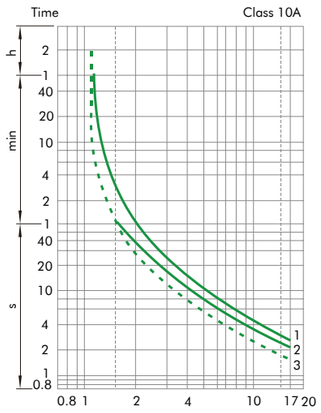
Item	No.	Setting current multiple		Tripping time	Test conditions
Overload protection	1	1.05		>2h	Cold state start Hot state start(after No.1) Start when thermal equilibrium is reached after applying a 1 times setting current
	2	1.2		≤2h	
	3	1.5		≤2min	
	4	7.2		2s<Tp1≤0s	
Phase failure protection	5	Any two phases	The other phase	>2h	Cold state start
		1.0	0.9		
	6	1.15	0	≤2h	Hot state start(after No.5)

4.3 Type selection and ordering data (see the table)

Product appearance	Rated current A	Specification of matching fuse(RT 36 is recommended) A	Model of matching contactor
		gG	
 NR8-16	0.1~0.14	2	 NC8-06M、NC8-06M/Z NC8-09M、NC8-09M/Z NC8-12M、NC8-12M/Z
	0.14~0.2	2	
	0.18~0.25	2	
	0.22~0.32	2	
	0.28~0.4	2	
	0.35~0.5	2	
	0.45~0.63	2	
	0.55~0.8	4	
	0.7~1	4	
	0.9~1.25	4	
	1.1~1.6	4	
	1.4~2	6	
	1.8~2.5	6	
	2.2~3.2	10	
	2.8 ~ 4	10	
	3.5~5	16	
	4.5~6.3	16	
	5.5 ~ 8	20	
	7.5~10	20	
	9~13	25	
	12~16	35	
 NR8-38	0.10-0.14	2	 NC8-09、NC8-12 NC8-18、NC8-25 NC8-32、NC8-38
	0.14-0.2	2	
	0.18-0.25	2	
	0.22-0.32	2	
	0.28-0.4	2	
	0.35-0.5	2	
	0.45-0.63	2	
	0.55-0.8	4	
	0.7-1	4	
	0.9-1.25	4	
	1.1-1.6	4	
	1.4-2	6	
	1.8-2.5	6	
	2.2-3.2	10	
	2.8-4	10	
	3.5-5	16	
	4.5-6.3	16	
	5.5-8	20	
	7.5-10	20	
	9-13	25	
	12-16	35	
	14-20	50	
	18-24	50	
	23-32	63	
	30-38	80	

Product appearance	Rated current A	Specification of matching fuse(RT 36 is recommended) A	Model of matching contactor
		gG	
 NR8-100	23-32	63	 NC8-40、NC8-50、NC8-65、NC8-80、NC8-100
	30-40	100	
	37-50	100	
	48-65	100	
	55-70	125	
	63-80	125	
	80-93	160	
	80-100	160	
 NR8-200	80-160	315	 NC8-115~170
	100-200	315	
 NR8-630	125-250	800	 NC8-205-502
	200-400	800	
	315-630	800	

4.4 Tripping characteristics

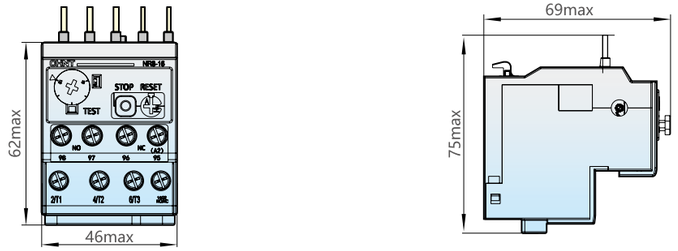


Setting current multiple x(Ir)

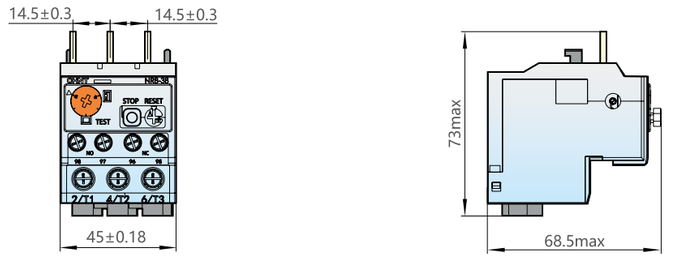
One Balanced operation,3-phase, cold state start.
Two Balanced operation,2-phase, cold state start.
Three Balanced operation,3-phase, cold state start.

5. Overall and mounting dimensions (mm)

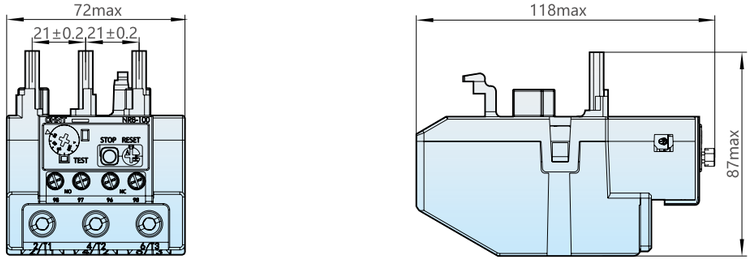
NR8-16



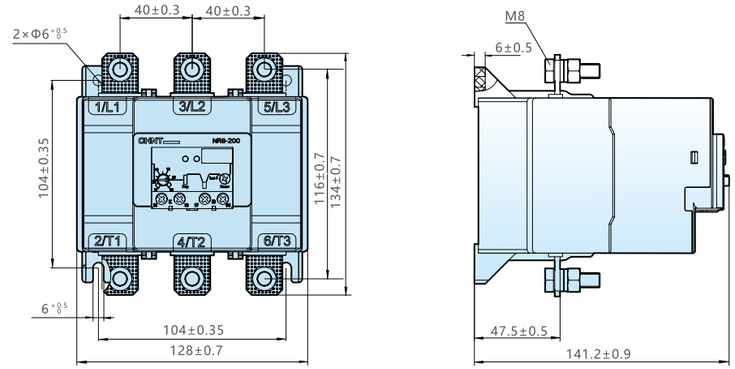
NR8-38



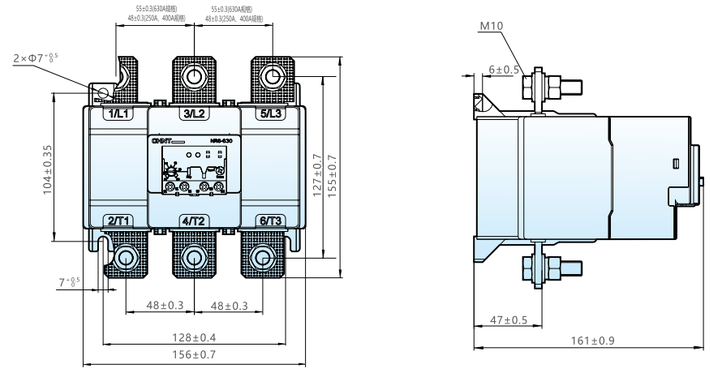
NR8-100



NR8-200



NR8-630



NR8	-	38	12~16A
↓		↓	↓
Product Series		**Frame Size**	**Setting Current Scope**
		16 38 100 200 630	Frame Size 16: 0.1~0.14A 0.14~0.2A 0.18~0.25A 0.22~0.32A 0.28~0.4A 0.35~0.5A 0.45~0.63A 0.55~0.8A 0.7~1A 0.9~1.25A 1.1~1.6A 1.4~2A 1.8~2.5A 2.2~3.2A 2.8~4A 3.5~5A 4.5~6.3A 5.5~8A 7.5~10A 9~13A 12~16A Frame Size 38: 0.1~0.14A 0.14~0.2A 0.18~0.25A 0.22~0.32A 0.28~0.4A 0.35~0.5A 0.45~0.63A 0.55~0.8A 0.7~1A 0.9~1.25A 1.1~1.6A 1.4~2A 1.8~2.5A 2.2~3.2A 2.8~4A 3.5~5A 4.5~6.3A 5.5~8A 7.5~10A 9~13A 12~16A 14~20A 18~24A 23~32A 30~38A Frame Size 100: 23~32A 30~40A 37~50A 48~65A 55~70A 63~80A 80~93A 80~100A Frame Size 200: 80~160A 100~200A Frame Size 630: 125~250A 200~400A 315~630A

NR8 Relay 16~630A

Frame Size	Auxiliary Contacts	Setting Current	Model Description	Code
16A	1NO+1NC	0.14A-0.2A	NR8-16 0.14A-0.2A	341553
16A	1NO+1NC	0.1A-0.14A	NR8-16 0.1A-0.14A	341554
16A	1NO+1NC	0.18A-0.25A	NR8-16 0.18A-0.25A	341555
16A	1NO+1NC	0.28A-0.4A	NR8-16 0.28A-0.4A	341556
16A	1NO+1NC	0.22A-0.32A	NR8-16 0.22A-0.32A	341557
16A	1NO+1NC	0.35A-0.5A	NR8-16 0.35A-0.5A	341558
16A	1NO+1NC	0.55A-0.8A	NR8-16 0.55A-0.8A	341559
16A	1NO+1NC	0.45A-0.63A	NR8-16 0.45A-0.63A	341560
16A	1NO+1NC	0.9A-1.25A	NR8-16 0.9A-1.25A	341561
16A	1NO+1NC	0.7A-1A	NR8-16 0.7A-1A	341562
16A	1NO+1NC	1.4A-2A	NR8-16 1.4A-2A	341563
16A	1NO+1NC	1.8A-2.5A	NR8-16 1.8A-2.5A	341564
16A	1NO+1NC	1.1A-1.6A	NR8-16 1.1A-1.6A	341565
16A	1NO+1NC	2.2A-3.2A	NR8-16 2.2A-3.2A	341566
16A	1NO+1NC	2.8A-4A	NR8-16 2.8A-4A	341567
16A	1NO+1NC	3.5A-5A	NR8-16 3.5A-5A	341568
16A	1NO+1NC	4.5A-6.3A	NR8-16 4.5A-6.3A	341569
16A	1NO+1NC	5.5A-8A	NR8-16 5.5A-8A	341570
16A	1NO+1NC	9A-13A	NR8-16 9A-13A	341571
16A	1NO+1NC	7.5A-10A	NR8-16 7.5A-10A	341572
16A	1NO+1NC	12A-16A	NR8-16 12A-16A	341573
38A	1NO+1NC	0.1-0.14A	NR8-38 0.1-0.14A	253671
38A	1NO+1NC	0.14-0.2A	NR8-38 0.14-0.2A	253672
38A	1NO+1NC	0.18-0.25A	NR8-38 0.18-0.25A	253673
38A	1NO+1NC	0.22-0.32A	NR8-38 0.22-0.32A	253674
38A	1NO+1NC	0.28-0.4A	NR8-38 0.28-0.4A	253675
38A	1NO+1NC	0.35-0.5A	NR8-38 0.35-0.5A	253676
38A	1NO+1NC	0.45-0.63A	NR8-38 0.45-0.63A	253677
38A	1NO+1NC	0.55-0.8A	NR8-38 0.55-0.8A	253678
38A	1NO+1NC	0.7-1A	NR8-38 0.7-1A	253679
38A	1NO+1NC	0.9-1.25A	NR8-38 0.9-1.25A	253680
38A	1NO+1NC	1.1-1.6A	NR8-38 1.1-1.6A	253681
38A	1NO+1NC	1.4-2A	NR8-38 1.4-2A	253682
38A	1NO+1NC	1.8-2.5A	NR8-38 1.8-2.5A	253683
38A	1NO+1NC	2.2-3.2A	NR8-38 2.2-3.2A	253684
38A	1NO+1NC	2.8-4A	NR8-38 2.8-4A	253685
38A	1NO+1NC	3.5-5A	NR8-38 3.5-5A	253686
38A	1NO+1NC	4.5-6.3A	NR8-38 4.5-6.3A	253687
38A	1NO+1NC	5.5-8A	NR8-38 5.5-8A	253688
38A	1NO+1NC	7.5-10A	NR8-38 7.5-10A	253689
38A	1NO+1NC	9-13A	NR8-38 9-13A	253690
38A	1NO+1NC	12-16A	NR8-38 12-16A	253691
38A	1NO+1NC	14-20A	NR8-38 14-20A	253692
38A	1NO+1NC	18-24A	NR8-38 18-24A	253693
38A	1NO+1NC	23-32A	NR8-38 23-32A	253694
38A	1NO+1NC	30-38A	NR8-38 30-38A	253695

Frame Size	Auxiliary Contacts	Setting Current	Model Description	Code
100A	1NO+1NC	23A-32A	NR8-100 23A-32A	254395
100A	1NO+1NC	30A-40A	NR8-100 30A-40A	254396
100A	1NO+1NC	37A-50A	NR8-100 37A-50A	254397
100A	1NO+1NC	48A-65A	NR8-100 48A-65A	254398
100A	1NO+1NC	55A-70A	NR8-100 55A-70A	254399
100A	1NO+1NC	63A-80A	NR8-100 63A-80A	254400
100A	1NO+1NC	80A-93A	NR8-100 80A-93A	254401
100A	1NO+1NC	80A-100A	NR8-100 80A-100A	254402
200A	1NO+1NC	80-160A	NR8-200 80-160A	269778
200A	1NO+1NC	100-200A	NR8-200 100-200A	269779
630A	1NO+1NC	125-250A	NR8-630 125-250A	269780
630A	1NO+1NC	200-400A	NR8-630 200-400A	269781
630A	1NO+1NC	315-630A	NR8-630 315-630A	269782



NRE8 Series Electronic Overload Relays

1.General

1.1 Certificates: CE, UKrSEPRO, UL;
1.2 Electrical ratings: AC50/60Hz, 690V;
1.3 Standards: IEC/EN 60947-4-1, UL508

2.Type designation

N RE 8 - □ / □

- Mounting version (F:independent;blank:combined)
- Rated current class
- Design sequence No.
- Electronic overload relay
- Company code

3. Features

3.1 Three-phase electronic type, tripping class10A;
3.2 Energy saving up to 80%
compared with bimetallic type;
3.3 Phase loss protection;
3.4 Current setting continuously adjustable;
3.5 Two indicator lights available for indicating normal,
overload time-delay, phase-failure and
phase loss time-delay status respectively;
3.6 Manual test mechanism;
3.7 Manual reset button;
3.8 A pair of N/C and N/O contacts;
3.9 Two mounting versions:
independent or combined with a contactor.

4.Technical data

4.1 Main Circuit: Rated insulation;
Voltage: AC 690V;
Rated frequency: 50/60Hz;
4.2 Auxiliary Circuit: Rated insulation;
Voltage: AC 400V;
Rated frequency: 50/60Hz;
See table below for other ratings.

Utilization category	AC-15		DC-13
Rated operational voltage Ue (V)	230	400	220
Rated operational current Ie (A)	2.5	1.5	0.2
Conventional heating current (A)	5		

4.3 Wiring. Connection of main circuit is PVC insulation copper conductor or cable. See table below for details:

Current range (A)	Cross section area (mm^2)	Length (m)	Number of piece
丨 < 8	1.0	1	1
<8 丨 ≤12	1.5	1	1
<12 丨 ≤ 20	2.5	1	1
<20 丨 ≤ 25	4.0	1	1
<25 丨 ≤ 32	6.0	1	1
<32 丨 ≤ 50	10	1	1
<50 丨 ≤ 65	16	1	1
<65 丨 ≤ 85	25	1	1
<85 丨 ≤ 115	35	1	1

4.4 Protection Characteristics

4.4.1 Operation characteristic under three-phase balanced-load status as per the table below.

No.	Multiples of current setting	Tripping time	Test condition	Ambient temperature(℃)
1	1.05	>2h	cold state	(20±5) ℃
2	1.20	≤2h	Starts from hot state, right after item no.1	
3	1.50	≤2min		
4	7.20	2s<Tp≤10s	cold state	

Under three-phase operation, if relay current reaches and maintains 1.05 times of the current setting, the green lamp flashes and red lamp does not light up, which indicates that the relay is not at over-load time-delay status, which equals to non-operation in 2 hours in serial No. 1 of the table above. A current tolerance for serial No.1 is -3%, and a current tolerance for No.2 is +3% .Cold status implies the status of the power re-energized of main circuit of relay 5 seconds after its power off.

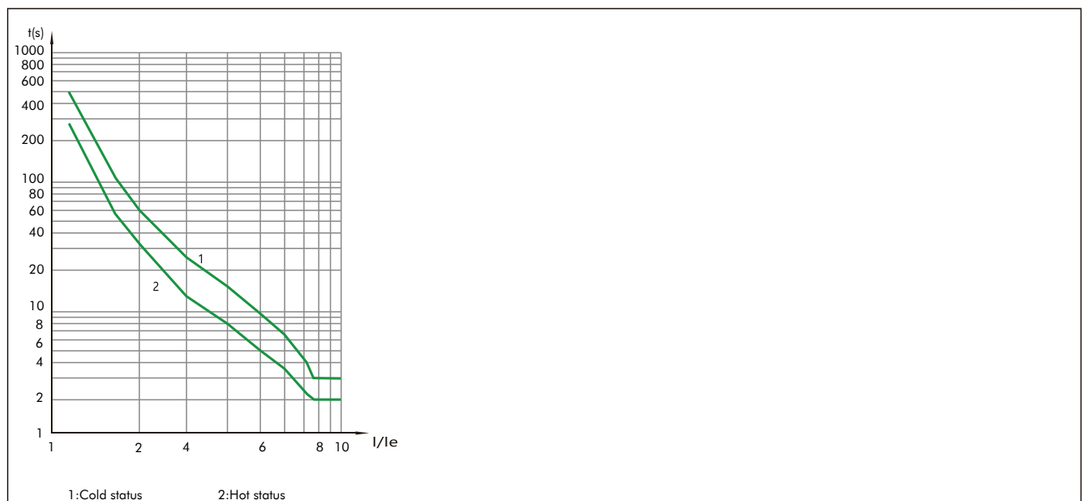
4.4.2 Operation characteristic under phase-failure status as per the table below.

Series No.	Multiples of current setting		Tripping time	Test condition	Ambient temperature(℃)
	Any two phases	The third phase			
1	1.0	0.9	<2h non-tripping	Starts from cold state	(20±5) ℃
2	1.15	0	<2h tripping	Starts from hot state,right after item No.1	

Under phase failure operation, if one phase has the current = 0, the other two phases have the current ≥1.15 times of the current setting, then, the red lamp flashes, and green lamp lights up, which indicates that the relay is at time-delay release status. As to this table, the permissible error of the No.1 circuit is -3%, No.2 circuit +3%

4.5 Tripping Curve

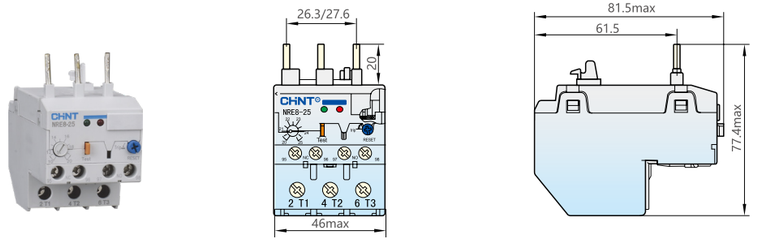
Tripping class 10A



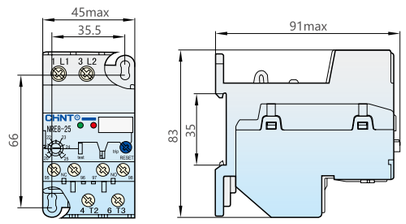
5.Overall and mounting dimensions (mm)

5.1 For Combined Mounting

NRE8-25

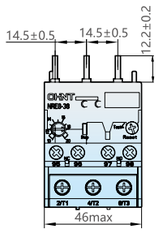


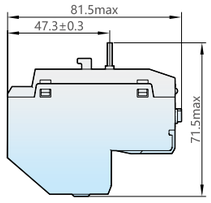
NRE8-25/F



NRE8-38

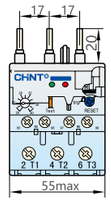


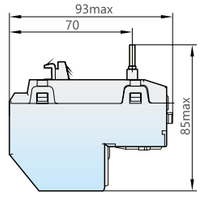




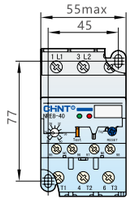
NRE8-40

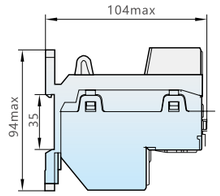






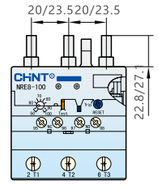
NRE8-40/F

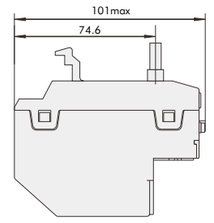




NRE8-100

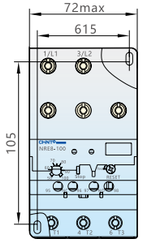


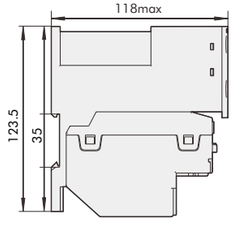




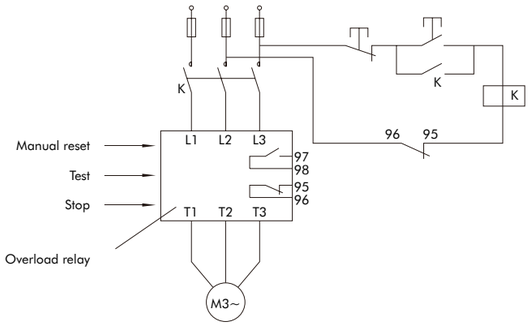
NRE8-100/F







6.Applications



7.Accessories

7.1 Mounting base

Mounting base	Description	Application
	NRE8-25 mounting bracket	Incorporates with NRE8-25 to form an independently mounted product

Mounting base	Description	Application
	NRE8-40 mounting bracket	Incorporates with NRE8-40 to form an independently mounted product
	PIA-7 mounting bracket	Incorporates with NRE8-100 to form an independently mounted product

Note: NRE8-100 without mounting bracket

7.2 Assembly with contactors

Thermal overload Relay	Rated current (A)	Current setting range(A)	Madel of recommended contactor	Model of recommended fuse
 NRE8-25	1.2	0.6~1.2	NC1-09~18 NC1-25~32 NC7-09~18 NC7-25~38	RT36-4(NT00-4)
	2.4	1.2~2.4		RT36-6(NT00-6)
	4	2~4		RT36-10(NT00-10)
	8	4~8		RT36-16(NT00-16)
	10	5~10		RT36-20(NT00-20)
	12	7~12		RT36-25(NT00-25)
	20	10~20		RT36-40(NT00-40)
	25	20~25		RT36-50(NT00-50)
	32	22~32		RT36-80(NT00-80)
 NRE8-38	1.2	0.6~1.2	NC8-09~38	RT36-4(NT00-4)
	2.4	1.2~2.4		RT36-6(NT00-6)
	4	2~4		RT36-10(NT00-10)
	8	4~8		RT36-16(NT00-16)
	10	5~10		RT36-20(NT00-20)
	12	7~12		RT36-25(NT00-25)
	20	10~20		RT36-40(NT00-40)
	38	19~38		RT36-80(NT00-80)
 NRE8-40	4	2~4	NC1-40~65 NC7-40~65	RT36-10(NT00-10)
	8	4~8		RT36-16(NT00-16)
	10	5~10		RT36-20(NT00-20)
	20	10~20		RT36-40(NT00-40)
	40	20~40		RT36-80(NT00-80)
 NRE8-100	65	30~65	NC1-40~65 NC7-40~65 NC8-40~65	RT36-160(NT00-160)
	100	50~100	NC1-80~95 NC7-80~95 NC8-80~100	RT36-200(NT1-200)

NRE8	-	38	10~20A
Product Series		**Frame Size**	**Setting Current Scope**
		25 38 40 100	Frame Size 25: 0.6~1.2A 1.2~2.4A 2~4A 4~8A 5~10A 7~12A 10~20A 20~25A 22~32A Frame Size 38: 0.6~1.2A 1.2~2.4A 2~4A 4~8A 5~10A 7~12A 10~20A 19~38A Frame Size 40: 2~4A 4~8A 5~10A 10~20A 20~40A Frame Size 100: 30~65A 50~100A

Frame Size	Setting Current	Model Description	Code
25A	0.6-1.2A	NRE8-25 0.6-1.2A	278087
25A	1.2-2.4A	NRE8-25 1.2-2.4A	278088
25A	10-20A	NRE8-25 10-20A	278093
25A	2-4A	NRE8-25 2-4A	278089
25A	20-25A	NRE8-25 20-25A	278094
25A	22-32A	NRE8-25 22-32A	278095
25A	4-8A	NRE8-25 4-8A	278090
25A	5-10A	NRE8-25 5-10A	278091
25A	7-12A	NRE8-25 7-12A	278092
38A	0.6-1.2A	NRE8-38 0.6-1.2A	296623
38A	1.2-2.4A	NRE8-38 1.2-2.4A	296624
38A	10-20A	NRE8-38 10-20A	296629
38A	19-38A	NRE8-38 19-38A	296630
38A	2-4A	NRE8-38 2-4A	296625
38A	4-8A	NRE8-38 4-8A	296626
38A	5-10A	NRE8-38 5-10A	296627
38A	7-12A	NRE8-38 7-12A	296628
40A	10-20A	NRE8-40 10-20A	278078
40A	2-4A	NRE8-40 2-4A	278096
40A	20-40A	NRE8-40 20-40A	278098
40A	4-8A	NRE8-40 4-8A	278077
40A	5-10A	NRE8-40 5-10A	278097
100A	30-65A	NRE8-100 30-65A	278099
100A	50-100A	NRE8-100 50-100A	278100











NR2 Series Thermal Overload Relays

1.General

1.1 Certificates: CE, UkrSEPRO, EAC, RCC, UL;
1.2 Electric ratings: AC 50/60Hz, 690V, 0.1A~150A;
1.3 Tripping class: 10A;
1.4 Mounting version: Plug-in;
1.5 Standard: IEC/EN 60947-4-1
1.6 Overload protection and phase loss protection

2.Type designation

N R 2 - □

- Current class
- Design sequence No.
- Thermal overload relay
- Company code

3. Features

3.1 3-phase bimetal
3.2 Continuously readjustable current settings
3.3 Temperature compensation
3.4 Tripping indicator
3.5 Test button
3.6 Stop button
3.7 Manual and automatic reset button
3.8 Electrically separated 1N/O plus 1N/C contact
3.9 For direct mounting on contactor or independent mounting

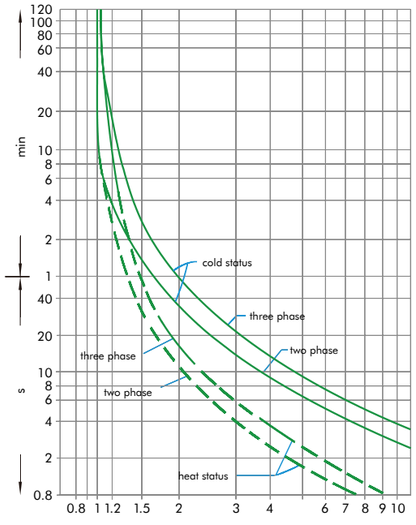
CE EAC RCC cULus LISTED

4.Technical data

4.1 Protection properties

Item	Series No.	Multiples of current Setting		Tripping time	Test condition
Overload protection	1	1.05		>2h	Start from cold state
	2	1.2		≤2h	Start from heat state, right after item No.1
	3	1.5		≤2min	Start from heat state, right after item No.1
	4	7.2		2s<Tp≤10s	Start from cold state
Phase failure protection	5	Any two phases	Another phase	>2h	Start from cold state
		1.0	0.9		
	6	1.15	0	≤2h	Start from heat state, right after item No.5

Curves



Model		NR2-11.5
Picture		
Current class(A)		13
Phase loss protection function		Yes
Automatic & manual reset		Yes
Temperature compensation		Yes
Tripping indicator		Yes
Test & stop pushbutton		Yes
Mounting mode	Plug-in	Yes
	Independent	Yes
Auxiliary contacts	No. of contacts	1N/O+1N/C
	Rated current (A) (AC-15 220V)	2.73
	Rated current (A) (AC-15 380V)	1.58
	Rated current (A) (DC-13 220V)	0.2

Model		NR2-93
Picture		
Current class(A)		93
Phase failure protection function		Yes
Automatic & manual reset		Yes
Temperature compensation		Yes
Tripping indicator		Yes
Test & stop pushbutton		Yes
Mounting mode	Plug-in	Yes
	Independent	Yes
Auxiliary contacts	Configuration of contactsRated	1N/O+1N/C
	Rated current (A) (AC-15 220V)	2.73
	Rated current (A) (AC-15 380V)	1.58
	Rated current (A) (DC-13 220V)	0.2

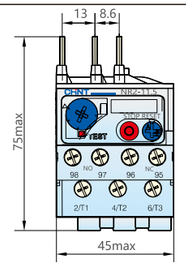
NR2-25	NR2-36
	
25	36
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
1N/O+1N/C	1N/O+1N/C
2.73	2.73
1.58	1.58
0.2	0.2

NR2-150

150
Yes
Yes
Yes
Yes
Yes
Yes
No
1N/O+1N/C
2.73
1.58
0.2

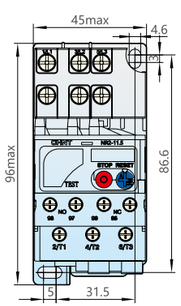
NR2-11.5

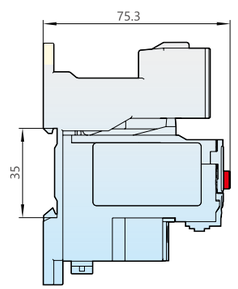




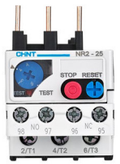
NR2-11.5 with MB-1

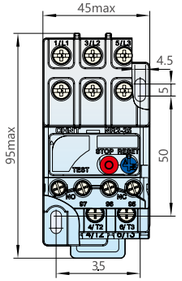


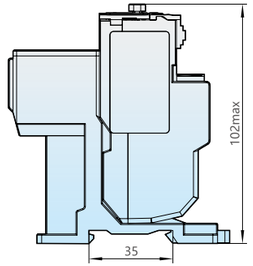




NR2-25

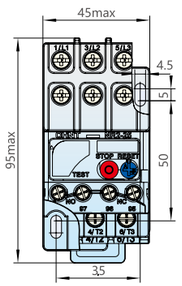


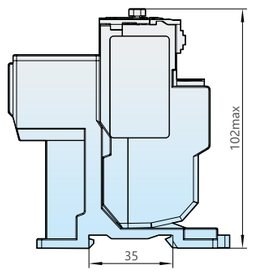




NR2-25 with MB-2

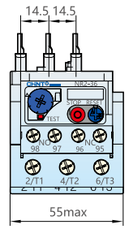


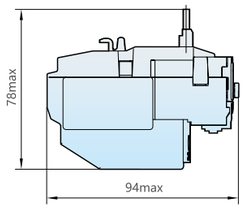




NR2-36

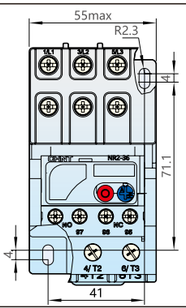


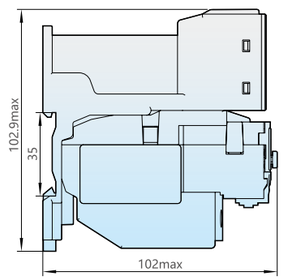




NR2-36 with MB-3

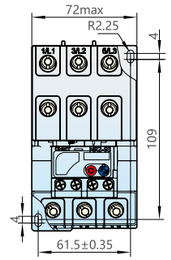


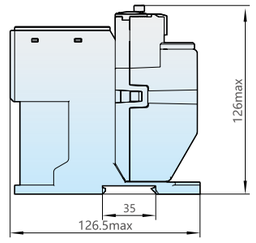




NR2-93

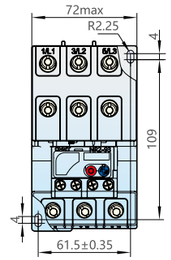


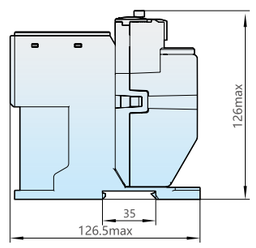




NR2-93 with MB-4

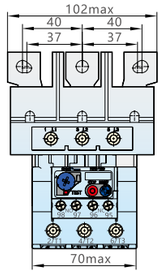


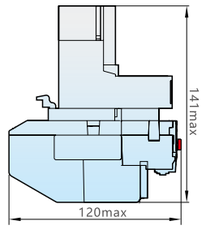




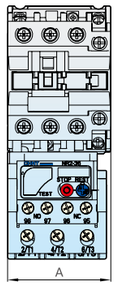
NR2-150(matched with NC2)







NR2(matched with contactor)





Modle / Size	NR2-11.5	NR2-25				NR2-36	NR2-93			
	NC6-09	NC1-09-25	NC1-32	NC7-09 ~ 22	NC7-25 ~ 32	NC1-32 NC7-32 ~ 38	NC1-40 ~ 65	NC1-80 ~ 95	NC7-40 ~ 65	NC7-80 ~ 95
A max (mm)	50	47	57	47	57	58	77	87	77	87
B max (mm)	119	122	135	125	135	142	178	178	178	178
C max (mm)	74	102	115	102	115	102	128	128	128	128

6. Wiring

Items			NR2-11.5	NR2-25	NR2-36	NR2-93	NR2-150
	Main circuit	Single core or stranded wire	1~4	1~4	4~10	4~35	25~50
		Wiring screw	M3.5	M4	M4	M10	M6/M8
	Auxiliary circuit	Single core or stranded wire	1~2.5	1~2.5	1~2.5	1~2.5	1~2.5
		Wiring screw	M3.5	M3.5	M3.5	M3.5	M3.5

7. Accessories

No.		Description	Application
1		MB-1	Incorporate with NR2-11.5 relay to form an independently mounted product
2		MB-2	Incorporate with NR2-25 relay to form an independently mounted product
3		MB-3	Incorporate with NR2-36 relay to form an independently mounted product
4		MB-4	Incorporate with NR2-93 relay to form an independently mounted product

8. Assembly with contactor

Model of overload relay	Rated current(A)	Recommended fuse type (RT16 is recommended)		Model of contactor
		aM	gG	
 NR2-11.5	0.1~0.16	0.25	2	NC6-09
	0.16~0.25	0.5	2	
	0.25~0.4	1	2	
	0.4~0.63	1	2	
	0.63~1	2	4	
	1~1.6	2	4	
	1.25~2	4	6	
	1.6~2.5	4	6	
	2.5~4	6	10	
	4~6	8	16	
	5.5~8	12	20	
	7~10	12	20	
	9~13	16	25	
 NR2-25	0.1~0.16	0.25	0.25	NC1-09 NC1-12 NC1-18 NC1-25 NC1-32 NC7-09~22 NC7-25~32
	0.16~0.25	0.5	0.5	
	0.25~0.4	1	1	
	0.4~0.63	1	1	
	0.63~1	2	2	
	1~1.6	2	2	
	1.25~2	4	4	
	1.6~2.5	4	4	
	2.5~4	6	6	
	4~6	8	8	
	5.5~8	12	12	
	7~10	12	12	
	9~13	16	16	
	12~18	20	20	
	17~25	25	25	

Model of overload relay	Rated current(A)	Recommended fuse type (RT16 is recommended)		Model of contactor
		aM	gG	
 NR2-36	23~32	40	63	NC1-32 NC7-32~38
	28~36	40	80	
 NR2-93	23~32	40	63	NC1-40 NC1-50 NC1-65 NC1-80 NC1-95 NC7-40~65 NC7-80~95
	30~40	40	100	
	37~50	63	100	
	48~65	63	100	
	55~70	80	125	
	63~80	80	125	
	80~93	100	160	
 NR2-150	80~104	125	250	NC2-115 NC2-150
	95~120	125	250	
	110~150	160	250	

NR2	-	25		9~13A
↓		↓		↓
Product Series		**Frame Size**		**Setting Current Scope**
		11.5 25 36 93 150		Frame Size 11.5: 0.1~0.16A 0.16~0.25A 0.25~0.4A 0.4~0.63A 0.63~1A 1~1.6A 1.25~2A 1.6~2.5A 2.5~4A 4~6A 5.5~8A 7~10A 9~13A Frame Size 25: 0.1~0.16A 0.16~0.25A 0.25~0.4A 0.4~0.63A 0.63~1A 1~1.6A 1.25~2A 1.6~2.5A 2.5~4A 4~6A 5.5~8A 7~10A 9~13A 12~18A 17~25A Frame Size 36: 23~32A 28~36A Frame Size 93: 23~32A 30~40A 37~50A 48~65A 55~70A 63~80A 80~93A Frame Size 150: 80~104A 95~120A 110~150A

NR2 Relay 13~150

Frame Size	Auxiliary Contacts	Setting Current	Model Description	Code
11.5	1NO+1NC	0.1-0.16A	NR2-11.5/Z 0.1-0.16A	268165
11.5	1NO+1NC	0.16-0.25A	NR2-11.5/Z 0.16-0.25A	268166
11.5	1NO+1NC	0.25-0.4A	NR2-11.5/Z 0.25-0.4A	268167
11.5	1NO+1NC	0.4-0.63A	NR2-11.5/Z 0.4-0.63A	268168
11.5	1NO+1NC	0.63-1A	NR2-11.5/Z 0.63-1A	268169
11.5	1NO+1NC	1-1.6A	NR2-11.5/Z 1-1.6A	268170
11.5	1NO+1NC	1.25-2A	NR2-11.5/Z 1.25-2A	268171
11.5	1NO+1NC	1.6-2.5A	NR2-11.5/Z 1.6-2.5A	268172
11.5	1NO+1NC	2.5-4A	NR2-11.5/Z 2.5-4A	268173
11.5	1NO+1NC	4-6A	NR2-11.5/Z 4-6A	268174
11.5	1NO+1NC	5.5-8A	NR2-11.5/Z 5.5-8A	268175
11.5	1NO+1NC	7-10A	NR2-11.5/Z 7-10A	268176
11.5	1NO+1NC	9-13A	NR2-11.5/Z 9-13A	268177
25	1NO+1NC	9-13A	NR2-25 9-13A	268095
25	1NO+1NC	7-10A	NR2-25 7-10A	268096
25	1NO+1NC	12-18A	NR2-25 12-18A	268097
25	1NO+1NC	1.6-2.5A	NR2-25 1.6-2.5A	268131
25	1NO+1NC	0.10-0.16A	NR2-25 0.10-0.16A	268132
25	1NO+1NC	0.16-0.25A	NR2-25 0.16-0.25A	268133
25	1NO+1NC	0.25-0.4A	NR2-25 0.25-0.4A	268134
25	1NO+1NC	0.4-0.63A	NR2-25 0.4-0.63A	268135
25	1NO+1NC	0.63-1A	NR2-25 0.63-1A	268136
25	1NO+1NC	1-1.6A	NR2-25 1-1.6A	268137
25	1NO+1NC	1.25-2A	NR2-25 1.25-2A	268138
25	1NO+1NC	2.5-4A	NR2-25 2.5-4A	268139
25	1NO+1NC	4-6A	NR2-25 4-6A	268140
25	1NO+1NC	5.5-8A	NR2-25 5.5-8A	268141
25	1NO+1NC	17-25A	NR2-25 17-25A	268142
36	1NO+1NC	23-32A	NR2-36 23-32A	268143
36	1NO+1NC	28-36A	NR2-36 28-36A	268144
93	1NO+1NC	23-32A	NR2-93 23-32A	268145
93	1NO+1NC	30-40A	NR2-93 30-40A	268146
93	1NO+1NC	37-50A	NR2-93 37-50A	268147
93	1NO+1NC	48-65A	NR2-93 48-65A	268148
93	1NO+1NC	55-70A	NR2-93 55-70A	268149
93	1NO+1NC	63-80A	NR2-93 63-80A	268150
93	1NO+1NC	80-93A	NR2-93 80-93A	268151
150	1NO+1NC	80A-104A	NR2-150 80A-104A	268292
150	1NO+1NC	95A-120A	NR2-150 95A-120A	268293
150	1NO+1NC	110A-150A	NR2-150 110A-150A	268294













NXR Series Thermal Overload Relays

Applicable scope

NXR thermal overload relays (hereinafter abbreviated as thermal relays) are suitable for overload and phase loss protection for uninterrupted or intermittent AC motors with AC frequency of 50 Hz/60 Hz, a voltage up to 690 V, and a current of (0.1-630)A.

The thermal relays also provide temperature compensation, action indication, automatic and manual reset, stop, and testing functions. The products are characterized by stable and reliable performance. The thermal relays can be plugged into contactors or installed indepe-ndently.

Compliant standards: IEC/EN 60947-4-1, IEC/EN 60947-5-1.

Structural characteristics

- Three-phase bi-metal sheet type or electronic type (NXR-200, NXR-630)Tripping
- With phase loss protection
- With a device for continuous adjustment of setting current
- With temperature compensation
- With action indication
- With testing mechanism
- With stop bottom
- With manual and automatic reset button (NXR-200 and NXR-630 only have manual reset)
- With one NO contact and one NC contact that are electrically separable
- Installation method: Plugged into contactor (NXR-12, 25, 38, 100) or installed independently (NXR-200, 630)
- Protection characteristics

Operation environment

Type	Operation and installation conditions
Installation type	Ⅲ
Pollution degree	3
Compliant standards	IEC/EN 60947-4-1, IEC/EN 60947-5-1
Certification mark	CE
Enclosure protection degree	IP20 (NXR-12, 25, 38, 100)
Ambient temperature	Operation temperature limits: -35℃～+70℃ . Normal operation temperature range: -5℃～+40℃ . The 24-hour average temperature should not exceed +35℃ . For use beyond the normal operation temperature range, see "Instructions for use in abnormal conditions" in the annex.
Altitude	Not exceeding 2000m above sea level
Atmospheric conditions	The relative humidity should not exceed 50% at the upper temperature limit of +70℃ . A higher relative humidity is allowed at a lower temperature, e.g. 90% at +20℃ . Special precautions should be taken against occasional condensation due to humidity variations.
Installation conditions	The angle between the installation surface and the vertical surface should not exceed ±5°.
Shock and vibration	The anti-shock performance conforms to the allowable acceleration of IEC60068-2-7: 15gn-11m; The anti-vibration performance conforms to the allowable acceleration of IEC60068-2-6 : 6gn







Type Designation

NXR	-	12	7 - 10A
Thermal overload relay model		Frame current	Setting current range
		12 25 38 100 200 630	See the table

Frame	Setting current
12	0.1-0.16A
	0.16-0.25A
	0.25-0.4A
	0.4-0.63A
	0.63-1A
	1-1.6A
	1.25-2A
	1.6-2.5A
	2.5-4A
	4-6A
	5.5-8A
	7-10A
	9-12A

Frame	Setting current
25	0.1-0.16A
	0.16-0.25A
	0.25-0.4A
	0.4-0.63A
	0.63-1A
	1-1.6A
	1.25-2A
	1.6-2.5A
	2.5-4A
	4-6A
	5.5-8A
	7-10A
	9-13A
	12-18A
	17-25A

Frame	Setting current
38	23-32A
	30-38A
100	23-32A
	30-40A
	37-50A
	48-65A
	55-70A
	63-80A
	80-93A
	80-100A
200	80-160A
	100-200A
	125-250A
630	200-400A
	315-630A

Selection example:

"NXR-25 7-10A" represents a NXR 3P thermal overload relay with a frame current class of 25 and a setting current range between 7A and 10A.

MB mounting base

	Type	Application
	MB-1	Incorporate_with_NXR-12 to be an independant mounted product
	MB-2	Incorporate_with_NXR-25 to be an independant mounted product
	MB-3	Incorporate_with_NXR-38 to be an independant mounted product
	MB-4	Incorporate_with_NXR-100 to be an independant mounted product

Quick selection and matching table

Product appearance	Rated current A	Specification of matching fuse (RT16 recommended) A	Model of matching contactor
		gG	
 NXR-12	0.1~0.16	2	 NXC-06M, 09M, 12M
	0.16~0.25	2	
	0.25~0.4	2	
	0.4~0.63	2	
	0.63~1	4	
	1~1.6	4	
	1.25~2	6	
	1.6~2.5	6	
	2.5~4	10	
	4~6	16	
	5.5~8	20	
	7~10	20	
	9~12	25	
 NXR-25	0.1~0.16	2	 NXC-06, 09, 12, 16, 18, 22, 25, 32, 38
	0.16~0.25	2	
	0.25~0.4	2	
	0.4~0.63	2	
	0.63~1	4	
	1~1.6	4	
	1.25~2	6	
	1.6~2.5	6	
	2.5~4	10	
	4~6	16	
	5.5~8	20	
	7~10	20	
	9~13	25	
	12~18	35	
	17~25	50	
 NXR-38	23~32	63	 NXC-25, 32, 38
	30~38	80	
 NXR-100	23~32	63	 NXC-40, 50, 65, 75, 85, 100
	30~40	100	
	37~50	100	
	48~65	100	
	55~70	125	
	63~80	125	
	80~93	160	
	80~100	160	
 NXR-200	80~160	315	 NXC-120, 160, 185, 225
	100~200	315	
 NXR-630	125~250	800	 NXC-225, 265, 330, 400, 500, 630
	200~400	800	
	315~630	800	

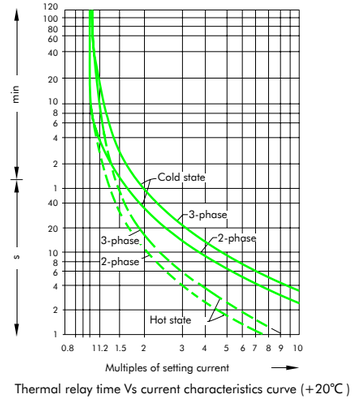
Parameters

Item			NXR-12	NXR-25	NXR-38	NXR-100	NXR-200	NXR-630
Current level			12	25	38	100	200	630
Rated insulation voltage V			690	690	690	690	690	690
Rated impulse withstand voltage V			8000	8000	8000	8000	8000	8000
			6000	6000	6000	6000	6000	6000
Enclosure protection degree			Frond IP20	Frond IP20	Frond IP20	Frond IP20	-	-
Phase loss protection			Yes	Yes	Yes	Yes	Yes	Yes
Manual and automatic reset			Yes	Yes	Yes	Yes	Manual	Manual
Temperature compensation			Yes	Yes	Yes	Yes	Yes	Yes
Trip indication			Yes	Yes	Yes	Yes	Yes	Yes
Test button			Yes	Yes	Yes	Yes	Yes	Yes
Stop button			Yes	Yes	Yes	Yes	Yes	Yes
Installation method			Plugged	Plugged	Plugged	Plugged	Independent	Independent
Integrated auxiliary contact			1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC
AC-15 380V/400V/415V rated current A			1.5	1.5	1.5	1.5	1.5	1.5
DC-13 220V rated current A			0.2	0.2	0.2	0.2	0.2	0.2
Conductor cross section mm^2	Main circuit	Single-core or stranded wire	1~4	1~6	4~10	4~35	25~95	50~2×185
		Wiring screw	M3.5	M4	M4	M10	M8	M10
		Tightening torque(N·m)	1.2	1.7	1.7	10	10	20
	Auxiliary circuit	Single-core or stranded wire	1~2.5	1~2.5	1~2.5	1~2.5	1~2.5	1~2.5
		Wiring screw	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5
		Tightening torque(N·m)	0.8	0.8	0.8	0.8	1.2	1.2

Protection characteristics

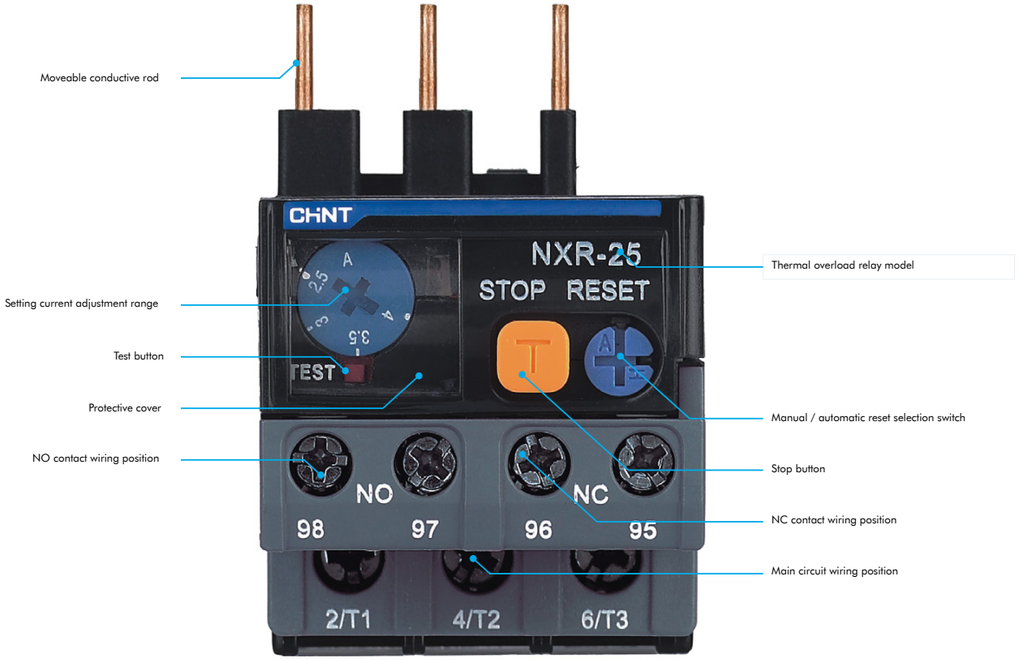
Item		Multiples of setting current		tripping	Test conditions
Overload protection	1	1.05		Without action in 2 hours	Start from cold state
	2	1.2		Act within 2 hours	Start from hot state (after No. 1)
	3	1.5		Act within 2 minutes	Start after thermal equilibrium is reached under setting current
	4	7.2		2s < Tp≤10s	Start from cold state
Phase loss protection	5	Any two phases	The other phase	Without action in 2 hours	Start from cold state
		1.0	0.9		
	6	1.15	0	Act within 2 hours	Start from hot state (after No. 5)

Trip characteristics



Thermal relay time Vs current characteristics curve (+20℃)

Product front view

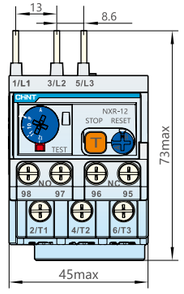


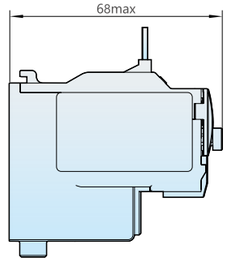
Dimensions and installation

NXR-12

Dimensions and installation



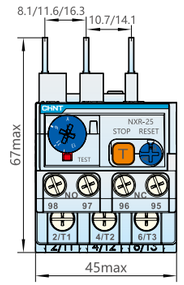


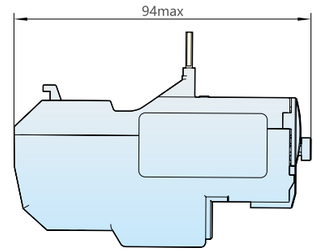


NXR-25

Dimensions and installation



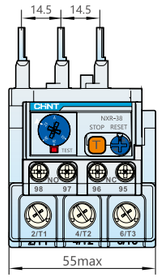


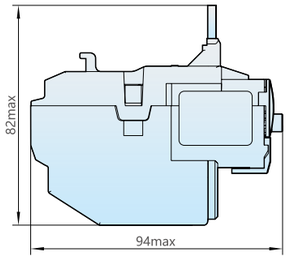


NXR-38

Dimensions and installation



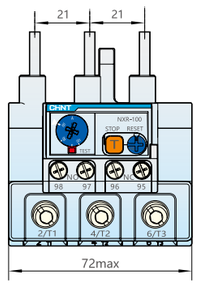


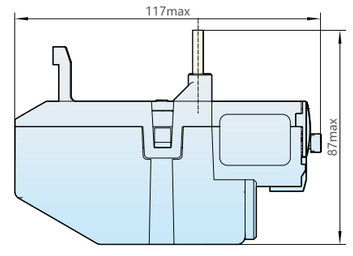


NXR-100

Dimensions and installation



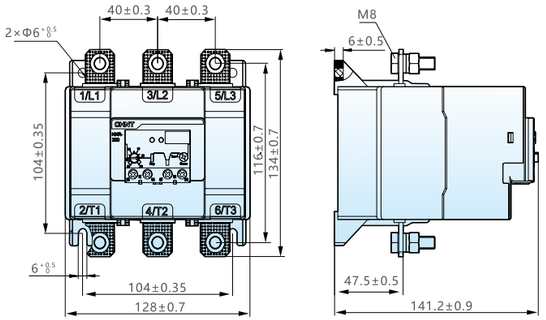




NXR-200

Dimensions and installation

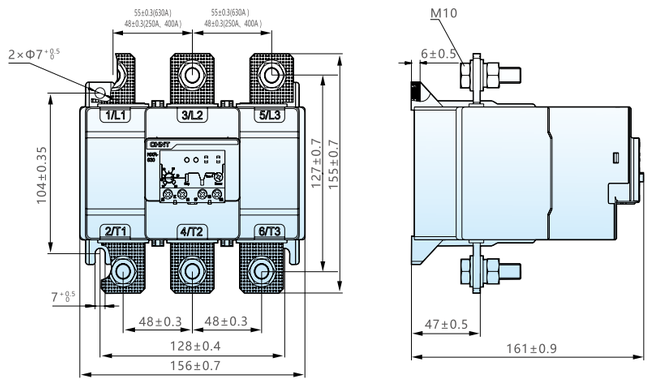




NXR-630

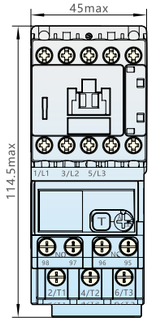
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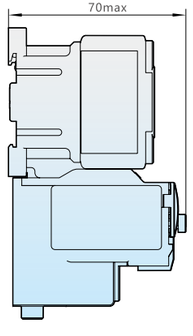


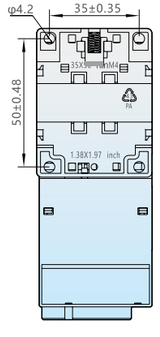


NXC-06M~12M + NXR-12

Dimensions and installation

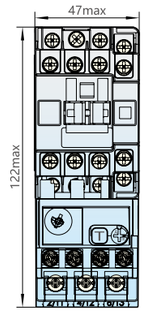


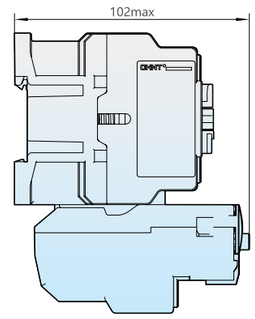


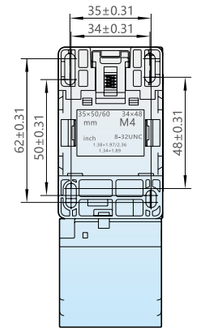


NXR-06~22+ NXR-25

Dimensions and installation

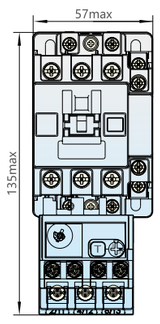


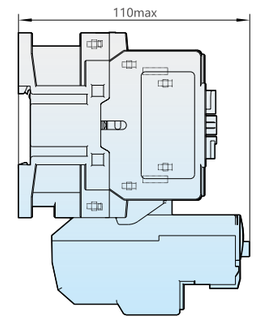


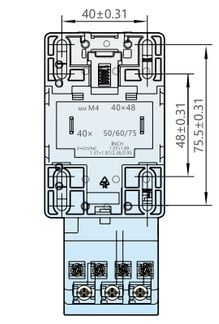


NXR-25~38+ NXR-25

Dimensions and installation

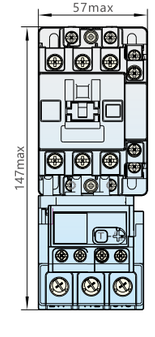


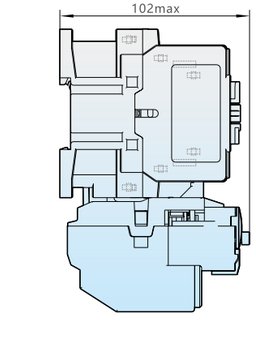


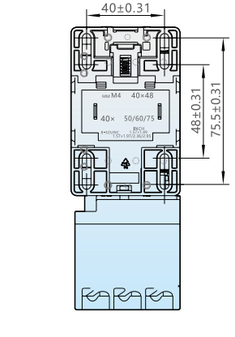


NXR-25~38+ NXR-38

Dimensions and installation

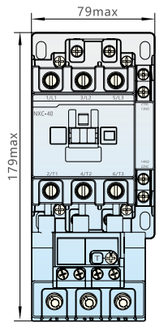


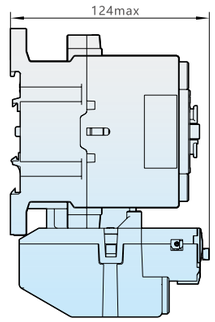


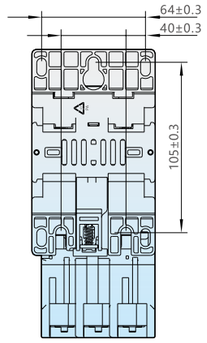


NXC-40~65 + NXR-100

Dimensions and installation

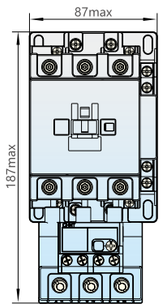


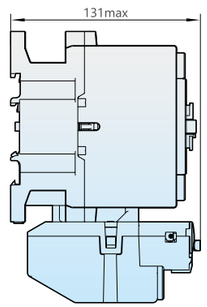


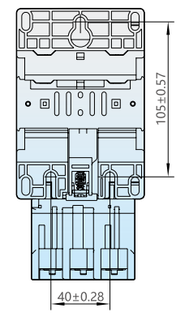


NXC-75~100 + NXR-100

Dimensions and installation

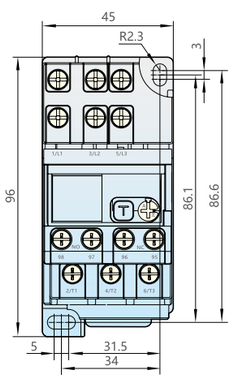


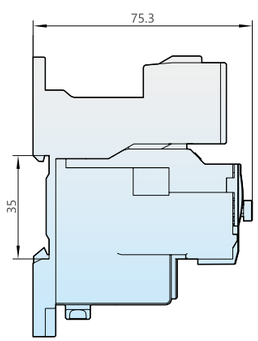




NXR-12 + MB-1

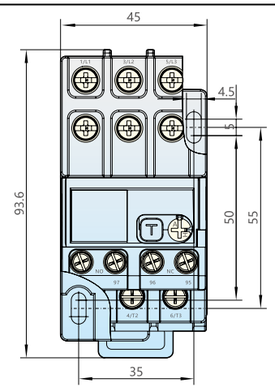
Dimensions and installation

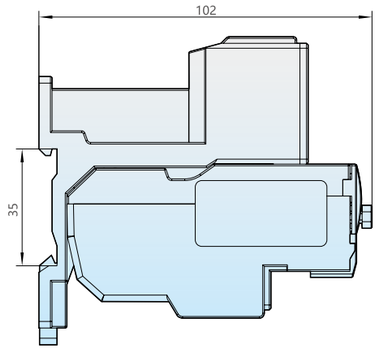




NXR-25+ MB-2

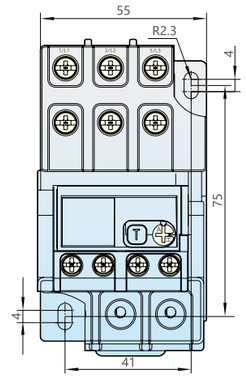
Dimensions and installation

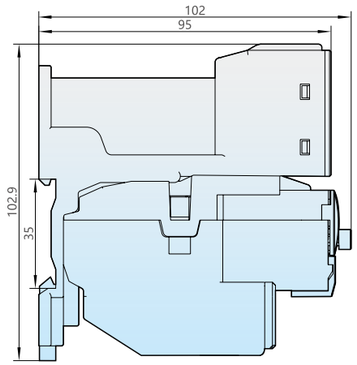




NXR-38+ MB-3

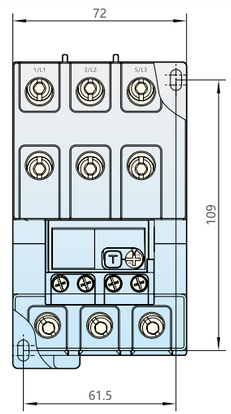
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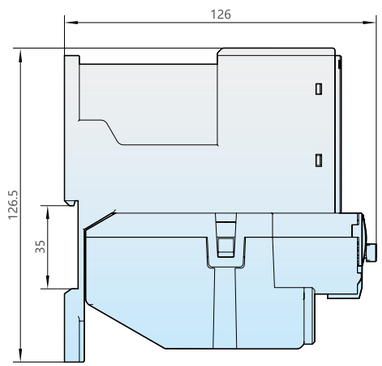




NXR-100+ MB-4

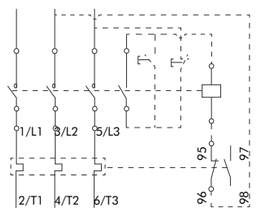
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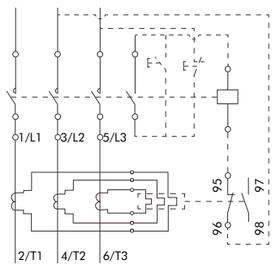


Wiring diagrams

NXR-12~100



NXR-200~630



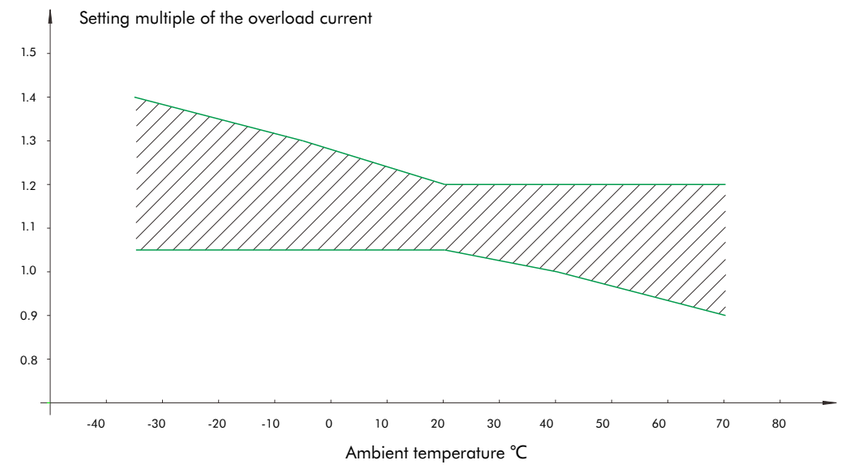
Annex I: Instructions for use in abnormal conditions

- IEC/EN 60947-4-1 standard defines normal operation temperature range for products. Use of products in the normal range will not cause significant impact on their performance.
- At an operation temperature higher than +40℃ , the tolerable temperature rise of products needs to be reduced. The rated operation current should be adjusted to prevent product damage, shortened service life, lower reliability, or impact on action characteristics.At a temperature lower than -5℃ , impact of changes to the heat dissipation system on the action characteristics of the products should be considered.
- The temperature compensation coefficients at an ambient temperature higher than +40℃ and lower than -5℃ are given below. The compensation coefficients corresponding to -35℃ and +70℃ environments are given in the table below. No corrections are required for NXR-200 and NXR-630.

Operation ambient temperature		**-35℃**	**+70℃**
Temperature compensation coefficients for NXR-12, 25, 38, 100	Multiple of stable current	1.05	0.9
	Multiple of trip current	1.4	1.2

NXR-12, 25, 38, 100

Temperature compensation curve



NXR	-	25	9~13A
↓		↓	↓
Product Series		**Frame Size**	**Setting Current Scope**
		12 25 38 100 200 630	Frame Size 12: 0.1~0.16A 0.16~0.25A 0.25~0.4A 0.4~0.63A 0.63~1A 1~1.6A 1.25~2A 1.6~2.5A 2.5~4A 4~6A 5.5~8A 7~10A 9~12A Frame Size 25: 0.1~0.16A 0.16~0.25A 0.25~0.4A 0.4~0.63A 0.63~1A 1~1.6A 1.25~2A 1.6~2.5A 2.5~4A 4~6A 5.5~8A 7~10A 9~13A 12~18A 17~25A Frame Size 38: 23~32A 30~38A Frame Size 93: 23~32A 30~40A 37~50A 48~65A 55~70A 63~80A 80~93A 80~100A Frame Size 200: 80~160A 100~200A Frame Size 630: 125~250A 200~400A 315~630A

NXR Relay 12~630A

Frame Size	Setting Current	Model Description	Code
12A	0.1-0.16A	NXR-12 0.1-0.16A	837092
12A	0.16-0.25A	NXR-12 0.16-0.25A	837093
12A	0.25-0.4A	NXR-12 0.25-0.4A	837094
12A	0.4-0.63A	NXR-12 0.4-0.63A	837095
12A	0.63-1A	NXR-12 0.63-1A	837096
12A	1-1.6A	NXR-12 1-1.6A	837097
12A	1.25-2A	NXR-12 1.25-2A	837098
12A	1.6-2.5A	NXR-12 1.6-2.5A	837099
12A	2.5-4A	NXR-12 2.5-4A	837100
12A	4-6A	NXR-12 4-6A	837101
12A	5.5-8A	NXR-12 5.5-8A	837102
12A	7-10A	NXR-12 7-10A	837103
12A	9-12A	NXR-12 9-12A	837104
25A	0.1-0.16A	NXR-25 0.1-0.16A	837105
25A	0.16-0.25A	NXR-25 0.16-0.25A	837106
25A	0.25-0.4A	NXR-25 0.25-0.4A	837107
25A	0.4-0.63A	NXR-25 0.4-0.63A	837108
25A	0.63-1A	NXR-25 0.63-1A	837109
25A	1-1.6A	NXR-25 1-1.6A	837110
25A	1.25-2A	NXR-25 1.25-2A	837111
25A	1.6-2.5A	NXR-25 1.6-2.5A	837112
25A	2.5-4A	NXR-25 2.5-4A	837113
25A	4-6A	NXR-25 4-6A	837114
25A	5.5-8A	NXR-25 5.5-8A	837115
25A	7-10A	NXR-25 7-10A	837116
25A	9-13A	NXR-25 9-13A	837117
25A	12-18A	NXR-25 12-18A	837118
25A	17-25A	NXR-25 17-25A	837119
38A	23A-32A	NXR-38 23A-32A	837120
38A	30A-38A	NXR-38 30A-38A	837121
100A	23A-32A	NXR-100 23A-32A	837122
100A	30A-40A	NXR-100 30A-40A	837123
100A	37A-50A	NXR-100 37A-50A	837124
100A	48A-65A	NXR-100 48A-65A	837125
100A	55A-70A	NXR-100 55A-70A	837126
100A	63A-80A	NXR-100 63A-80A	837127
100A	80A-93A	NXR-100 80A-93A	837128
100A	80A-100A	NXR-100 80A-100A	837129
200A	80A-160A	NXR-200 80A-160A	837130
200A	100A-200A	NXR-200 100A-200A	837131
630A	125A-250A	NXR-630 125A-250A	837132
630A	200A-400A	NXR-630 200A-400A	837133
	315A-630A	NXR-630 315A-630A	837134



NS2-25、NS2-32



NS2-25X、NS2-32X



NS2-32H

NS2 Series Manual Motor Starters

1.General

1.1 Certificates: SEMKO, CE, UkrSEPRO, EAC, UL;
1.2 Electric ratings: AC690V, 25A, 32A, 80A;
1.3 Standard: IEC/EN 60947-2, IEC60947-4-1

2.Type designation

N S 2 - □ □ / □ □ □

- Current specifications
- Accessories specifications (none, canbe omitted)
- Code of structural modification
- Frame size rated current(A)
- Design sequence No.
- AC motor starter
- Company code

3. Operating conditions

3.1 Temperature: -5℃～ +40℃ ,
average temperature in 24 hours not exceed +35℃
3.2 Altitude: not exceed 2000m
3.3 Air conditions:
At mounting site, relative humidity not exceed 50% at the max temperature of +40℃ , higher relative humidity is allowable under lower temperature, for example, RH could be 90% at +20℃
3.4 Pollution grade: Grade Ⅲ
3.5 Trip class:
10A(NS2-25, NS2-25X, NS2-32, NS2-32X,NS2-32H,NS2-80)
3.6 Rated operational system:
eight-hour day (working system)
3.7 Mounting conditions:
The inclination between the mounting plane and the vertical plane shall not exceed 5°
The product shall be installed and operated at a place without obvious shake, impact and vibration.

4. Technical data

4.1 Rated insulation voltage Ui(V):690
4.2 Rated operating voltage Ue(V):AC230/240,AC400/415,AC440,AC500,AC690.
4.3 Rated frequency (Hz):50/60.
4.4 Rating current of frame class Inm (A):25(NS2-25,25X),32(NS2-32,32X NS2-32H), 80(NS2-80)
4.5 Rated current of release In (A):(see table4).
4.6 Setting current range:(see table4).
4.7 Rated limit short circuit breaking capacity Icu (kA):(see table4).
4.8 Short circuit breaking capability Ics (kA) for rated operation:(see table4).
4.9 Rated shock tolerance voltage Uimp (kV):8.
4.10 Selective category (Class A or B) and application category:Class A and AC-3
4.11 Insulation length (mm):10;15(NS2-80) Before inserting conductor (conductor/conductor bar) into terminal
4.12 Cross-sectional area of conductor (conductor/conductor bar)mm²:1-6;2.5～25 (NS2-80)



NS2-80

4.13 Maximum number of roots allowed to clip into the conductor (conductor/conductor bar):2;1(NS2-80)
4.14 Screw (or bolt) size of wiring end:M4;M8(NS2-80)
4.15 Terminal screw tightening torque (N.m):1.7;6(NS2-80)
4.16 Operation frequency (times/hour):≤30;≤25(NS2-80)
4.17 Adaptable contactor:NC1;NC8

4.18 Action characteristics of each phase of the starter when load balancing (see Table 1).

Table 1

Series No.	Multiple of setting current	Initial status	Time		Expected results	Ambient temperature
1	1.05	Cold status	t≥2h		Non-tripping	+20℃ ±2℃
2	1.20	Heat status (right after test.1)	t<2h		Tripping	+20℃ ±2℃
3	1.50	Heat status (right after test.1)	Tripping class	10A t<2min	Tripping	+20℃ ±2℃
4	7.20	Cold status	Tripping class	10A 2s<t≤10s	Tripping	+20℃ ±2℃

4.19 The action characteristics of phase failure protection properties (see Table 2)

Table 2

Series No.	Multiple of setting current		Initial status	Time	Expected results	Ambient temperature
	Any 2 phases	The other phase				
1	1.0	0.9	Cold status	t≥2h	Non-tripping	+20℃ ±2℃
2	1.15	0	Heat status (right after test.1)	t<2h	Tripping	+20℃ ±2℃

4.20 The action characteristics owf temperature compensation properties (see Table 3)

Table 3

Series No.	Multiple of setting current	Initial status	Time	Expected results	Ambient temperature
1	1.0	Cold status	t≥2h	Non-tripping	+40℃ ±2℃
2	1.2	Heat status (right after test.1)	t<2h	Tripping	+40℃ ±2℃
3	1.5	Heat status (through 1.0 times rated current, after thermal equilibrium is reached)	t<2min	Tripping	+40℃ ±2℃
4	1.05	Cold status	t≥2h	Non-tripping	-5℃ ±2℃
5	1.3	Heat status (right after test.3)	t<2h	Tripping	-5℃ ±2℃
6	1.5	Heat status (through 1.0 times rated current, after thermal equilibrium is reached)	t<4min	Tripping	-5℃ ±2℃

4.13 Technical parameters

Table 4

Type	Rated current of release In(A)	Setting current regulation range (A)	Rated ultimate short-circuit breaking Icu, Rated service short-circuit breaking capacity Ics				Arcing distance (mm)
			400/415V		690V		
			Icu	Ics	Icu	Ics	
NS2-25(X)	0.16	0.1 ~ 0.16	100	100	100	100	40
NS2-25(X)	0.25	0.16 ~ 0.25	100	100	100	100	40
NS2-25(X)	0.4	0.25 ~ 0.4	100	100	100	100	40
NS2-25(X)	0.63	0.4 ~ 0.63	100	100	100	100	40
NS2-25(X)	1	0.63 ~ 1	100	100	100	100	40
NS2-25(X)	1.6	1 ~ 1.6	100	100	100	100	40
NS2-25(X)	2.5	1.6 ~ 2.5	100	100	3	2.25	40
NS2-25(X)	4	2.5 ~ 4	100	100	3	2.25	40
NS2-25(X)	6.3	4 ~ 6.3	100	100	3	2.25	40
NS2-25(X)	10	6 ~ 10	100	100	3	2.25	40
NS2-25(X)	14	9 ~ 14	15	7.5	3	2.25	40
NS2-25(X)	18	13 ~ 18	15	7.5	3	2.25	40
NS2-25(X)	23	17 ~ 23	15	6	3	2.25	40
NS2-25(X)	25	20 ~ 25	15	6	3	2.25	40
NS2-32(X)	32	24 ~ 32	10	5	3	2.25	40
NS2-32H	0.16	0.1 ~ 0.16	100	100	100	100	40
NS2-32H	0.25	0.16 ~ 0.25	100	100	100	100	40
NS2-32H	0.4	0.25 ~ 0.4	100	100	100	100	40
NS2-32H	0.63	0.4 ~ 0.63	100	100	100	100	40
NS2-32H	1	0.63 ~ 1	100	100	100	100	40
NS2-32H	1.6	1 ~ 1.6	100	100	100	100	40
NS2-32H	2.5	1.6 ~ 2.5	100	100	4	4	40
NS2-32H	4	2.5 ~ 4	100	100	4	4	40
NS2-32H	6.3	4 ~ 6.3	100	100	4	4	40
NS2-32H	10	6 ~ 10	100	100	4	4	40
NS2-32H	14	9 ~ 14	50	25	4	4	40
NS2-32H	18	13 ~ 18	50	25	4	4	40
NS2-32H	23	17 ~ 23	50	25	4	4	40
NS2-32H	25	20 ~ 25	50	25	4	4	40
NS2-32H	32	24 ~ 32	50	25	4	4	40
NS2-80	25	20~25	50	17.5	4	2	50
NS2-80	32	23~32	50	17.5	4	2	50
NS2-80	40	30~40	50	17.5	4	2	50
NS2-80	50	37~50	50	17.5	4	2	50
NS2-80	65	48~65	50	17.5	4	2	50
NS2-80	80	63~80	50	17.5	4	2	50

4.13.1 Rated power of three phase motor controlled by starter

Type	Rated current of release In(A)	Setting current regulation range (A)	Standard Rated Power Three Phase Motor(kW) AC-3,50Hz/60Hz					
			230/240V	400V	415V	440V	500V	690V
NS2-25(X)、NS2-32H	0.16	0.1-0.16	-	-	-	-	-	-
NS2-25(X)、NS2-32H	0.25	0.16-0.25	-	-	-	-	-	-
NS2-25(X)、NS2-32H	0.4	0.25-0.4	-	-	-	-	-	-
NS2-25(X)、NS2-32H	0.63	0.4-0.63	-	-	-	-	-	0.37
NS2-25(X)、NS2-32H	1	0.63-1	-	-	-	0.37	0.37	0.55
NS2-25(X)、NS2-32H	1.6	1-1.6	-	0.37	-	0.55	0.75	1.1
NS2-25(X)、NS2-32H	2.5	1.6-2.5	0.37	0.75	0.75	1.1	1.1	1.5
NS2-25(X)、NS2-32H	4	2.5-4	0.75	1.5	1.5	1.5	2.2	3
NS2-25(X)、NS2-32H	6.3	4-6.3	1.1	2.2	2.2	3	3.7	4
NS2-25(X)、NS2-32H	10	6-10	2.2	4	4	4	5.5	7.5
NS2-25(X)、NS2-32H	14	9-14	3	5.5	5.5	7.5	7.5	9
NS2-25(X)、NS2-32H	18	13-18	4	7.5	9	9	9	11
NS2-25(X)、NS2-32H	23	17-23	5.5	11	11	11	11	15
NS2-25(X)、NS2-32H	25	20-25	5.5	11	11	11	15	18.5
NS2-32(X)、NS2-32H	32	24-32	7.5	15	15	15	18.5	25

Type	Read current of release In(A)	Regulating range of setting current of thermal element(A)	Currentsetting value of instantaneous electromagnetic release Ii(A)
NS2-32(H)	0.16	0.1-0.16	1.5
	0.25	0.16-0.25	2.4
	0.4	0.25-0.4	5
	0.63	0.4-0.63	8
	1	0.63-1	13
	1.6	1-1.6	22.5
	2.5	1.6-2.5	33.5
	4	2.5-4	51
	6.3	4-6.3	78
	10	6-10	138
	14	9-14	170
	18	13-18	223
	23	17-23	327
	25	20-25	327
NS2-32(X)、NS2-32H	32	24-32	416
NS2-80	25	20-25	350
	32	23-32	448
	40	30-40	560
	50	37-50	700
	65	48-65	910
	80	63-80	1120

4.14.1 Action characteristics of instantaneous electromagnetic trip of starter

Test current	Initial state	Set time	Expected results	Ambientair temperature
0.8Ii	Cold st ate	t≥0.2s	No trip	+20℃ ±5℃
1.2Ii	Cold st ate	t<0.2s	Trip	+20℃ ±5℃

4.15 Selection of backup fuse

When the expected short-circuit current of the installation site is greater than the rated limit short-circuit breaking capacity of the starter, the type and melt current specification of the backup short-circuit protection fuse shall be provided. For example, gG type fuse can be selected.

Type	Rated current of release In(A)	Setting currentregulation range (A)	Current rating of fuse-link of back-up fuse,which Icc>Icu									
			230/240V		400/415V		440V		500V		690V	
			aM A	gL/gG A	aM A	gL/gG A	aM A	gL/gG A	aM A	gL/gG A	aM A	gL/gG A
NS2-25(X)	0.16	0.1-0.16	★	★	★	★	★	★	★	★	★	★
NS2-25(X)	0.25	0.16-0.25	★	★	★	★	★	★	★	★	★	★
NS2-25(X)	0.4	0.25-0.4	★	★	★	★	★	★	★	★	★	★
NS2-25(X)	0.63	0.4-0.63	★	★	★	★	★	★	★	★	★	★
NS2-25(X)	1	0.63-1	★	★	★	★	★	★	★	★	★	★
NS2-25(X)	1.6	1-1.6	★	★	★	★	★	★	★	★	★	★
NS2-25(X)	2.5	1.6-2.5	★	★	★	★	★	★	★	★	16	20
NS2-25(X)	4	2.5-4	★	★	★	★	★	★	★	★	25	32
NS2-25(X)	6.3	4-6.3	★	★	★	★	50	63	50	63	32	40
NS2-25(X)	10	6-10	★	★	★	★	50	63	50	63	32	40
NS2-25(X)	14	9-14	★	★	63	80	50	63	50	63	40	50
NS2-25(X)	18	13-18	★	★	63	80	50	63	50	63	40	50
NS2-25(X)	23	17-23	80	100	80	100	63	80	50	63	40	50
NS2-25(X)	25	20-25	80	100	80	100	63	80	50	63	40	50
NS2-32(X)	32	24-32	80	100	80	100	63	80	50	63	40	50
NS2-32H	0.16	0.1-0.16	★	★	★	★	★	★	★	★	★	★
NS2-32H	0.25	0.16-0.25	★	★	★	★	★	★	★	★	★	★
NS2-32H	0.4	0.25-0.4	★	★	★	★	★	★	★	★	★	★
NS2-32H	0.63	0.4-0.63	★	★	★	★	★	★	★	★	★	★
NS2-32H	1	0.63-1	★	★	★	★	★	★	★	★	★	★
NS2-32H	1.6	1-1.6	★	★	★	★	★	★	★	★	★	★
NS2-32H	2.5	1.6-2.5	★	★	★	★	★	★	★	★	20	25
NS2-32H	4	2.5-4	★	★	★	★	★	★	★	★	25	32
NS2-32H	6.3	4-6.3	★	★	★	★	★	★	★	★	40	50
NS2-32H	10	6-10	★	★	★	★	★	★	50	63	40	50
NS2-32H	14	9-14	★	★	★	★	50	63	50	63	50	63
NS2-32H	18	13-18	★	★	100	125	63	80	50	63	50	63
NS2-32H	23	17-23	★	★	100	125	80	100	50	63	50	63
NS2-32H	25	20-25	★	★	100	125	80	100	50	63	50	63
NS2-32H	32	24-32	★	★	100	125	80	100	50	63	50	63
NS2-80	25	20-25	-	-	250	315	-	-	-	-	160	200
NS2-80	32	23-32	-	-	250	315	-	-	-	-	160	200
NS2-80	40	30-40	-	-	250	315	-	-	-	-	160	200
NS2-80	50	37-50	-	-	315	400	-	-	-	-	200	250
NS2-80	65	48-65	-	-	315	400	-	-	-	-	200	250
NS2-80	80	63-80	-	-	315	400	-	-	-	-	200	250

5.1 Starters accessories

5.1.1 Type, model and specifications of accessories (see Table 10).

Description of accessories	Accessories Model				Accessories Specifications
	NS2-25, NS2-32 applies	NS2-25X, NS2-32X applies	NS2-32H applies	NS2-80 applies	
Undervoltage release	NS2-UV110		NS2-UV110	NS2-UV110	110~115V, 50Hz; 127V,60Hz
	NS2-UV220		NS2-UV220	NS2-UV220	220~240V, 50Hz
	NS2-UV380		NS2-UV380	NS2-UV380	380~400V, 50Hz; 440V,60Hz
Shunt release	NS2-SH110	NS2-SH110	NS2-SH110	NS2-SH110	110~115V, 50Hz; 127V,60Hz
	NS2-SH220	NS2-SH220	NS2-SH220	NS2-SH220	220~240V, 50Hz
	NS2-SH380	NS2-SH380	NS2-SH380	NS2-SH380	380~400V, 50Hz; 440V,60Hz
Instantaneous auxiliary contact (front hanging)	NS2-AE20	NS2-AE20	NS2-AE20	NS2-AE20	2NO
	NS2-AE11	NS2-AE11	NS2-AE11	NS2-AE11	1NO+1NC
Instantaneous auxiliary contact (side hanging)	NS2-AU20	NS2-AU20	NS2-AU20	NS2-AU20(NS2-80)	2NO
	NS2-AU11	NS2-AU11	NS2-AU11	NS2-AU11(NS2-80)	1NO+1NC
Fault signal contact and instantaneous auxiliary contact	NS2-FA0110	NS2-FA0110	NS2-FA0110	-	1NC+1NO
	NS2-FA0101	NS2-FA0101	NS2-FA0101	-	1NC+1NC
	NS2-FA1010	NS2-FA1010	NS2-FA1010	-	1NO+1NO
	NS2-FA1001	NS2-FA1001	NS2-FA1001	-	1NO+1NC
Waterproof mounting box		WPB-1	-	-	-
Mounting box with emergency stop button	NS2-MC01	-	-	-	-

5.1.2 Undervoltage trip device

NS2-UV110, UV220, UV380'S, performance:

a. Rated insulation voltage Ui (V): 690;

b. Rated impulse withstand voltage Uimp (kV):6;

c. Operating characteristics: When the voltage drops to 70% and 35% of the rated voltage range, undervoltage trip device shall act;

Undervoltage trip device in the power supply voltage is less than 35% of the rated voltage of the trip device, the undervoltage trip device should be able to prevent the starter from closing;

when the power supply voltage is equal to or greater than 85% of the rated voltage of the trip device, the undervoltage trip device should guarantee closure of the starter.

5.1.3 The characteristics of the shunt trip

NS2-SH110, SH220, SH380:

a. Rated insulation voltage Ui (V): 690;

b. Rated impulse withstand voltage Uimp (kV):6;

c. Operating characteristics: the operating voltage range of the shunt trip device is rated working voltage of 70% ~ 110%.

5.1.4 Characteristics of the instantaneous auxiliary contact NS2-Ae20, AE11 (front hanging)

a. rated insulation voltage Ui (V): 250;

b. conventional thermal current Ith (A): 2.5;

c. Rated impulse withstand voltage Uimp (kV): 2.5;

d.type , rated voltage and rated operating current (see Table 11) of instantaneous auxiliary contacts.



NS2-SH



NS2-AE



Table 11

Utilization category	AC-15				DC-13		
Rated operating voltage Ue(V)	24	48	110/127	230/240	24	48	60
Rated operating current Ie(A)	2	1.25	1	0.5	1	0.3	0.5
Normal operating power P(W)	48	60	127	120	24	15	9

NS2-AU

5.1.5 Instantaneous auxiliary contact NS2-AU20, AU11 performance (side hanging):

a. rated insulation voltage Ui (V): 690;

b. conventional thermal current Ith (A): 6;

c. Rated impulse withstand voltage Uimp (kV):4;

d. type, rated voltage and rated operating current of the instantaneous auxiliary contacts(see Table 12).



Utilization category	AC-15							DC-13				
Rated operating voltage Ue (V)	48	110/127	230/240	380/415	440	500	690	24	48	60	110	220
Rated operating current Ie (A)	6	4.5	3.3	2.2	1.5	1	0.6	6	5	3	1.3	0.5
Normal operating power P (W)	300	500	720	850	650	500	400	140	240	180	140	120

NS2-FA

5.1.6 Characteristics of the fault signal contact and instantaneous auxiliary contact NS2-FA

Fault signal contact and instantaneous auxiliary contact NS2-FA, consist of the fault signal contact and instantaneous auxiliary contact. They have different use types and characteristics.



a. rated insulation voltage Ui (V): 690;

b. conventional thermal currents of instantaneous auxiliary contacts: Ith (A) : 6, conventional thermal current of fault signal contacts Ith (A): 2.5;

c. Rated impulse withstand voltage of fault signal contact Uimp (kV):2.5;
Rated impulse withstand voltage of instantaneous auxiliary contact Uimp (kV):4;

d. the use type, rated voltage and rated work current (see Table 12) of the instantaneous auxiliary contact same as the NS2-AU instantaneous auxiliary contact; the use type, rated voltage and rated operating current (see Table 13) of the fault signal contacts.

Utilization category	AC-14				DC-13		
Rated operating voltage Ue (V)	24	48	110/127	230/240	24	48	60
Rated operating current Ie (A)	1.5	1	0.5	0.3	1	0.3	0.15
Normal operating power P (W)	36	48	72	72	24	15	9
Operating performance (time)	1000	1000	1000	1000	1000	1000	1000

5.1.7 Non-normal making and breaking capacity (see Table 14) of fault signal contact and instantaneous auxiliary contact.

Use type	Connection		Disconnection				On-off operation cycles and operating frequency		
	I/Ie	U/Ue	CosΦ or T0.95	I/Ie	U/Ue	CosΦ or T0.95	Operating cycles	Operating cycles per minutes	Energize Time
AC-14	6	1.1	0.7	6	1.1	0.7	10	2	0.05
AC-15	10	1.1	0.3	10	1.1	0.3	10	2	0.05
DC-13	1.1	1.1	6Pe	1.1	1.1	6Pe	10	2	0.05

Note: Pe≥50W, T0.95 upper limit=6Pe≤300ms.

5.1.8 Other parameters

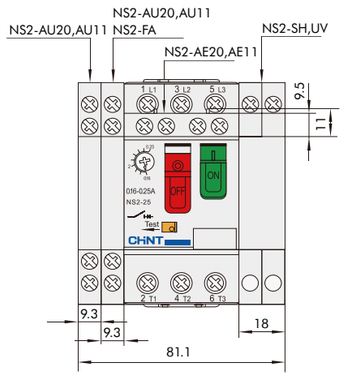
Model	Model of matched fuse	Rated current of supporting fuse A	Rated limiting short circuit current Iq kA	Enclosure protection class
NS2-AE20,AE11	gG、RT36-00	6	1	IP20
NS2-AU20,AU11		10		
NS2-FA				

5.1.9 Mounting box （NS2-MC、NS2-MC01）

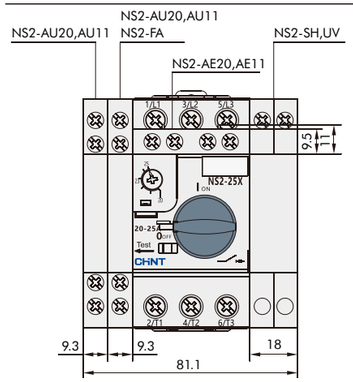
	NS2-MC Waterproof installation box	IP55
	NS2-MC01 Installation box with emergency stop button	IP55
	WPB-1 Waterproof installation box	IP55

6. Overall and mounting dimension (mm)

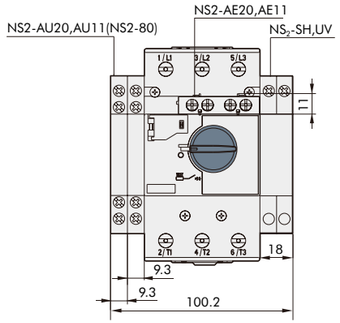
NS2-25,NS2-32



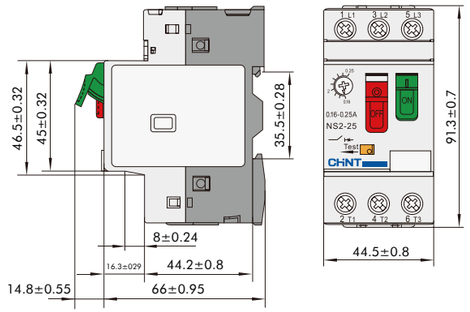
NS2-25X,NS2-32X,NS2-32H



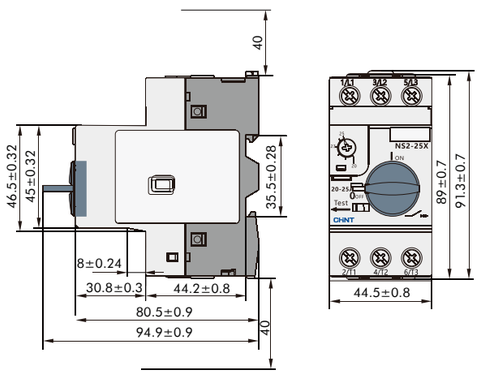
NS2-80



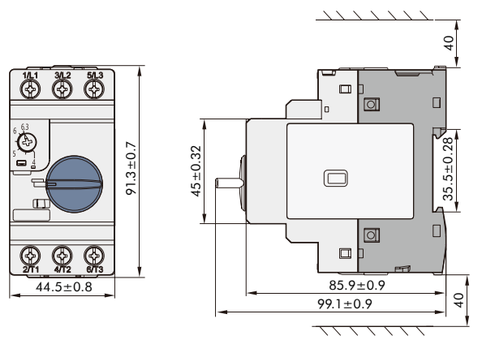
NS2-25,NS2-32



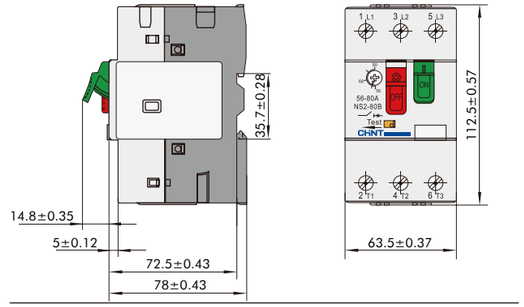
NS2-25X,NS2-32X



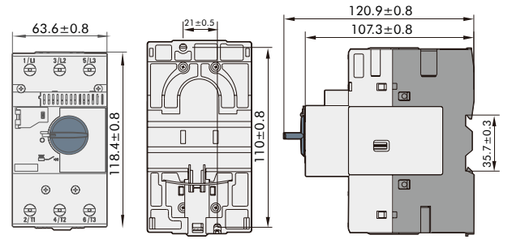
NS2-32H



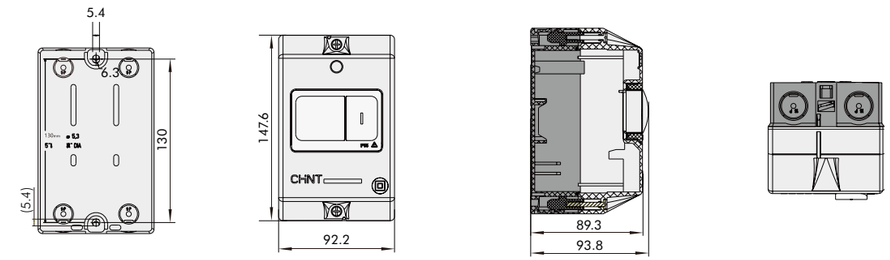
NS2-80B



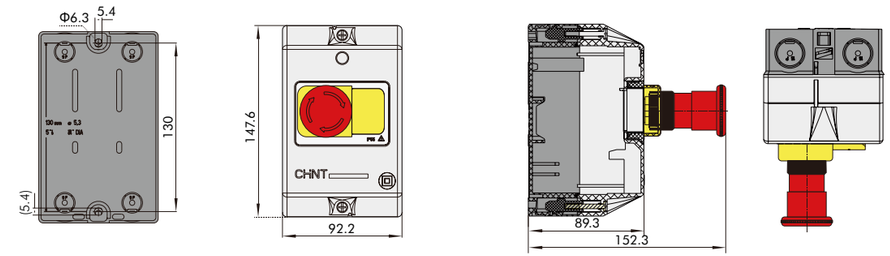
NS2-80



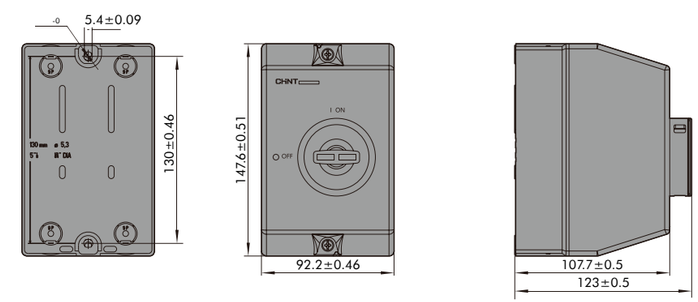
NS2-MC



NS2-MC01



WPB-1

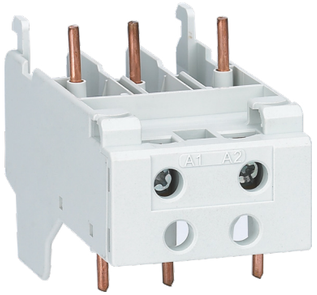


NS2	-	25	X	9~14A
Product Series		**Frame Size**	**Function**	**Setting Current Scope**
		25 32 80	Blank: pushbutton operating (frame size 25 and 32) rotary handle operating (frame size 80) X: rotary handle operating (frame size 25 and 32) B: pushbutton operating (frame size 80) H: high breaking capacity (frame size 32, rotary handle operating) M: electromagnetic protection only, without thermal overload protection	Frame Size 25(X): 0.1~0.16A 0.16~0.25A 0.25~0.4A 0.4~0.63A 0.63~1A 1~1.6A 1.6~2.5A 2.5~4A 4~6.3A 6~10A 9~14A 13~18A 17~23A 20~25A Frame Size 25M: 0.16A 0.25A 0.4A 0.63A 1A 1.6A 2.5A 4A 6.3A 10A 14A 18A 23A 25A Frame Size 32(X): 24~32A
				Frame Size 32H: 0.1~0.16A 0.16~0.25A 0.25~0.4A 0.4~0.63A 0.63~1A 1~1.6A 1.6~2.5A 2.5~4A 4~6.3A 6~10A 9~14A 13~18A 17~23A 20~25A 24~32A Frame Size 80: 20~25A 23~32A 30~40A 37~50A 48~65A 63~80A Frame Size 80B: 16~25A 25~40A 40~63A 56~80A

NS2 AC Motor Starter 25~80A

Frame Size	Auxiliary Contacts	Setting Current	Model Description	Code
25A	-	0.1-0.16A	NS2-25 0.1-0.16A	495072
25A	-	0.16-0.25A	NS2-25 0.16-0.25A	495073
25A	-	0.25-0.4A	NS2-25 0.25-0.4A	495074
25A	-	0.4-0.63A	NS2-25 0.4-0.63A	495075
25A	-	0.63-1A	NS2-25 0.63-1A	495076
25A	-	1-1.6A	NS2-25 1-1.6A	495077
25A	-	1.6-2.5A	NS2-25 1.6-2.5A	495078
25A	-	2.5-4A	NS2-25 2.5-4A	495079
25A	-	4-6.3A	NS2-25 4-6.3A	495080
25A	-	6-10A	NS2-25 6-10A	495081
25A	-	9-14A	NS2-25 9-14A	495082
25A	-	13-18A	NS2-25 13-18A	495083
25A	-	17-23A	NS2-25 17-23A	495084
25A	-	20-25A	NS2-25 20-25A	495085
25A	-	0.1-0.16A	NS2-25X 0.1-0.16A	495176
25A	-	0.16-0.25A	NS2-25X 0.16-0.25A	495177
25A	-	0.25-0.4A	NS2-25X 0.25-0.4A	495178
25A	-	0.4-0.63A	NS2-25X 0.4-0.63A	495179
25A	-	0.63-1A	NS2-25X 0.63-1A	495180
25A	-	1-1.6A	NS2-25X 1-1.6A	495181
25A	-	1.6-2.5A	NS2-25X 1.6-2.5A	495182
25A	-	2.5-4A	NS2-25X 2.5-4A	495183
25A	-	4-6.3A	NS2-25X 4-6.3A	495184
25A	-	6-10A	NS2-25X 6-10A	495185
25A	-	9-14A	NS2-25X 9-14A	495186
25A	-	13-18A	NS2-25X 13-18A	495187
25A	-	17-23A	NS2-25X 17-23A	495188
25A	-	20-25A	NS2-25X 20-25A	495189
25A	-	0.16A	NS2-25M 0.16A	495190
25A	-	0.25A	NS2-25M 0.25A	495191
25A	-	0.4A	NS2-25M 0.4A	495192
25A	-	0.63A	NS2-25M 0.63A	495193
25A	-	1A	NS2-25M 1A	495194
25A	-	1.6A	NS2-25M 1.6A	495195
25A	-	2.5A	NS2-25M 2.5A	495196
25A	-	4A	NS2-25M 4A	495197
25A	-	6.3A	NS2-25M 6.3A	495198
25A	-	10A	NS2-25M 10A	495199
25A	-	14A	NS2-25M 14A	495200
25A	-	18A	NS2-25M 18A	495201
25A	-	23A	NS2-25M 23A	495202
25A	-	25A	NS2-25M 25A	495203

Frame Size	Auxiliary Contacts	Setting Current	Model Description	Code
32A	-	24-32A	NS2-32 24-32A	146475
32A	-	0.1-0.16A	NS2-32H 0.1-0.16A	253592
32A	-	0.16-0.25A	NS2-32H 0.16-0.25A	253593
32A	-	0.25-0.4A	NS2-32H 0.25-0.4A	253594
32A	-	0.4-0.63A	NS2-32H 0.4-0.63A	253595
32A	-	0.63-1A	NS2-32H 0.63-1A	253596
32A	-	1-1.6A	NS2-32H 1-1.6A	253597
32A	-	1.6-2.5A	NS2-32H 1.6-2.5A	253598
32A	-	2.5-4A	NS2-32H 2.5-4A	253599
32A	-	4-6.3A	NS2-32H 4-6.3A	253600
32A	-	6-10A	NS2-32H 6-10A	253601
32A	-	9-14A	NS2-32H 9-14A	253602
32A	-	13-18A	NS2-32H 13-18A	253603
32A	-	17-23A	NS2-32H 17-23A	253604
32A	-	20-25A	NS2-32H 20-25A	253605
32A	-	24-32A	NS2-32H 24-32A	253606
32A	-	24-32A	NS2-32X 24-32A	139373
80A	-	20-25A	NS2-80 20-25A	279720
80A	-	23-32A	NS2-80 23-32A	279721
80A	-	30-40A	NS2-80 30-40A	279722
80A	-	37-50A	NS2-80 37-50A	279723
80A	-	48-65A	NS2-80 48-65A	279724
80A	-	63-80A	NS2-80 63-80A	279725
80A	1NO+1NC	20-25A	NS2-80/AU11 20-25A	279708
80A	1NO+1NC	23-32A	NS2-80/AU11 23-32A	279709
80A	1NO+1NC	30-40A	NS2-80/AU11 30-40A	279710
80A	1NO+1NC	37-50A	NS2-80/AU11 37-50A	279711
80A	1NO+1NC	48-65A	NS2-80/AU11 48-65A	279712
80A	1NO+1NC	63-80A	NS2-80/AU11 63-80A	279713
80A	2NO	20-25A	NS2-80/AU20 20-25A	279714
80A	2NO	23-32A	NS2-80/AU20 23-32A	279715
80A	2NO	30-40A	NS2-80/AU20 30-40A	279716
80A	2NO	37-50A	NS2-80/AU20 37-50A	279717
80A	2NO	48-65A	NS2-80/AU20 48-65A	279718
80A	2NO	63-80A	NS2-80/AU20 63-80A	279719
80A	-	16A-25A	NS2-80B 16A-25A	495086
80A	-	25A-40A	NS2-80B 25A-40A	495087
80A	-	40A-63A	NS2-80B 40A-63A	495088
80A	-	56A-80A	NS2-80B 56A-80A	495089



CC Series Conversion Connectors

1.General

CC conversion connectors are used to connect AC contactor and starter to be a composite apparatus, for the circuits with AC current frequency 50HZ and rated operating voltage up to 690V. CC-2 (NS2) conversion connector is used for NC8-38 AC contactor and NS2-32H starter, and CC-3 (NS2) conversion connector is used for NC8-65 AC contactor and NS2-80 starter. After connecting the AC contactor and starter as a composite apparatus, CC connectors are applicable for various power distribution systems or motor protection and control systems. Conformed standards: IEC60947-1 Low-voltage Switchgear and Controlgear - Part 1: General rules.

2. Product Features

CC connectors combine AC contactor and starter as a composite apparatus, can reduce the wiring and improve the system operation reliability.

CC connectors are composed of shell, main circuit connection and auxiliary circuit connection , can connect the circuits well.

The connector leads the coil terminals of AC contactor to the above of the product, and reliable cable trough is designed to facilitate the customers'wiring.

3.Type designation

CC - □ (NS2)

- Suitable for NS2 starter
- Design sequence No.
- Company code

4.Operating Conditions

4.1 Ambient air temperature: -5℃ ~+40℃, daily average not more than +35℃ .

4.2 Altitude: Not exceed 2000m. If it exceeds 2000m, the product should be used with reduced capacity. It is proposed that the altitude increased by each 1000m, the capacity should be reduced by 10%.

4.3 Humidity: When the ambient air temperature is +40℃ , the air relative humidity doesn't exceed 50%; at a lower temperature, the humidity could be higher. When the average minimum temperature is +25℃ ,the average maximum relativehumidity is 90%, considering the product surface condensation resulting from the temperature variation.

4.4 Pollution grade: 3.

4.5 Installation category: Ⅲ .

4.6 The external magnetic field of mounting place should not exceed 5 times earth magnetism at any direction; it should have no explosive or corrosive gas; no rain or snow attack; and should be dry and ventilated.

5. Main Technical Parameters

Table 1 Main Circuit Parameters

Model	CC-2(NS 2)	CC-3(NS 2)
Rated operating voltage Ue(V)	690	690
Rated insulation voltage Ui(V)	690 and below	690 and below
Rated impulse withstand voltage Uimp(kV)	6	6
Rated operating current Ie max(A)	32	65
Number of poles	3P	3P

6. Installation

Fig.1 Outline and Installing Dimensions of CC-2(NS2)

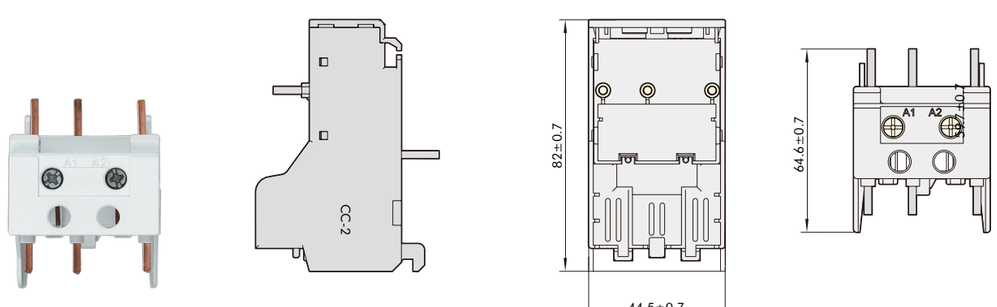


Fig.2 Outline and Installing Dimensions of CC-3(NS2)

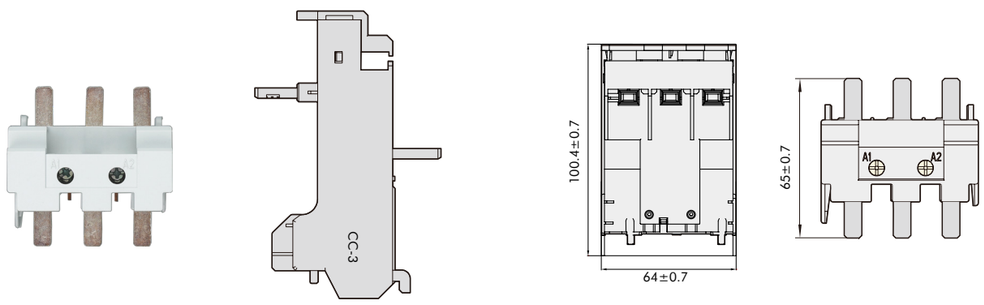


Fig.3 Outline and Instaling Dimensions of CC-2(NS2) after assembly with the starter and contactor

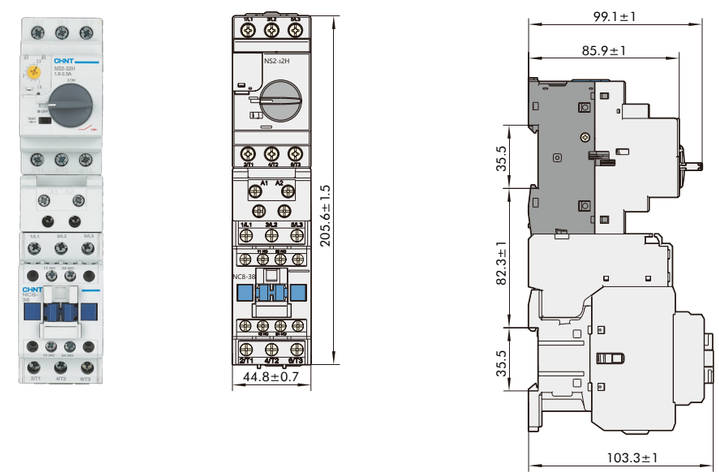
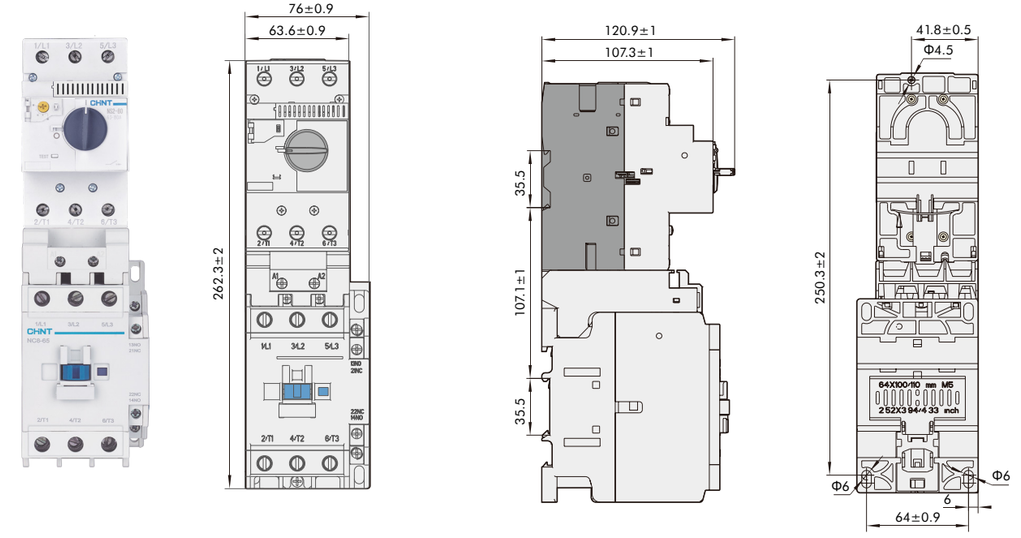


Fig.3 Outline and Instaling Dimensions of CC-3(NS2) after assembly with the starter and contactor



CC Conversion connector

Function	Model Description	Code
Used to connect NC8-38 and NS2-32H	CC-2(NS2) Conversion connector	203547
Used to connect NC8-65 and NS2-80	CC-3(NS2) Conversion connector	203546



NQ2 Series DOL Electromagnetic Starters

1.General

1.1 NQ2 series electromagnetic starter
("starter" for short hereinafter) applies mainly to
circuit with AC current of 50Hz (or 60Hz),
rated operational voltage of 690V
and rated controlled power up to 33kW
(current up to 68A)
for using to control the direct start
and halt of the electromotor to protect the motor
from overload and phase failure.

1.2 The starter conforms to standards IEC/EN60947-4-1

2. Type designation

N Q 2-□ □/□

- Rated control power code(AC-3,380V):1～4
- Structure code:
  Blank:non-reversing type without pushbutton
  P:with pushbutton
  N:reversing type
  NB:reversing type without thermal relay
- Frame level power code
- Design code name
- Electromagnetic starter
- Characteristic code of the enterprise

3. Technical data

3.1 NQ2-15, 33

Model	AC contactor model assembled	Thermal relay model assembled	Current setting range (A)	AC-3 220/230V Ie(A)	220/230V Pe(kW)	380/400V Ie(A)	380/400V Pe(kW)	660/690V Ie(A)	660/690V Pe(kW)
NQ2-15/1	NC1-1210	NR2-25	0.1 ~ 0.16	0.16	0.03	0.16	0.04	0.16	0.06
			0.16 ~ 0.25	0.25	0.04	0.25	0.06	0.25	0.12
			0.25 ~ 0.4	0.4	0.06	0.4	0.09	0.4	0.18
			0.4 ~ 0.63	0.63	0.09	0.63	0.18	0.63	0.25
			0.63 ~ 1	1	0.18	1	0.25	1	0.55
			1 ~ 1.6	1.6	0.25	1.6	0.55	1.6	1.1
			1.25 ~ 2	2	0.37	2	0.75	2	1.1
			1.6 ~ 2.5	2.5	0.37	2.5	0.75	2.5	1.5
			2.5 ~ 4	4	0.75	4	1.5	4	3
			4 ~ 6	6	1.1	6	2.2	6	4
			5.5 ~ 8	8	1.5	8	3	8	5.5
			7 ~ 10	10	2.2	10	4	8.9	7.5
			9 ~ 13	12	3	12	5.5	-	-
NQ2-15/2	NC1-1810	NR2-25	7 ~ 10	10	2.2	10	4	10	7.5
			9 ~ 13	13	3	13	5.5	12	10
			12 ~ 18	18	4	18	7.5	-	-
NQ2-15/3	NC1-2510	NR2-25	9 ~ 13	13	3	13	5.5	13	11
			12 ~ 18	18	4	18	7.5	18	15
			17 ~ 25	25	5.5	25	11	-	-
NQ2-15/4	NC1-3210	NR2-25	17 ~ 25	25	5.5	25	11	21	18.5
		NR2-36	23 ~ 32	32	7.5	32	15	-	-
			28 ~ 36	32	7.5	32	15	-	-
NQ2-33/1	NC1-6511	NR2-93	23 ~ 32	32	7.5	32	15	32	30
			30 ~ 40	40	11	40	18.5	40	33
			37 ~ 50	50	11	50	22	42	33
			48 ~ 65	52	15	52	25	-	-
NQ2-33/2	NC1-9511	NR2-93	30 ~ 40	40	11	40	18.5	40	37
			37 ~ 50	50	11	50	22	49	37
			48 ~ 65	65	18.5	65	30	-	-
			55 ~ 70	68	18.5	68	33	-	-
			63 ~ 80	68	25	68	33	-	-

3.2 NQ2-15P, 33P

Model	AC contactor model assembled	Thermal relay model assembled	Current setting range (A)	AC-3 220/230V Ie(A)	220/230V Pe(kW)	380/400V Ie(A)	380/400V Pe(kW)	660/690V Ie(A)	660/690V Pe(kW)	Button type of starter with button
NQ2-15P/1	NC1-1210	NR2-25	0.1 ~ 0.16	0.16	0.03	0.16	0.04	0.16	0.06	
			0.16 ~ 0.25	0.25	0.04	0.25	0.06	0.25	0.12	
			0.25 ~ 0.4	0.4	0.06	0.4	0.09	0.4	0.18	
			0.4 ~ 0.63	0.63	0.09	0.63	0.18	0.63	0.25	
			0.63 ~ 1	1	0.18	1	0.25	1	0.55	
			1 ~ 1.6	1.6	0.25	1.6	0.55	1.6	1.1	
			1.25 ~ 2	2	0.37	2	0.75	2	1.1	
			1.6 ~ 2.5	2.5	0.37	2.5	0.75	2.5	1.5	
			2.5 ~ 4	4	0.75	4	1.5	4	3	
			4 ~ 6	6	1.1	6	2.2	6	4	
			5.5 ~ 8	8	1.5	8	3	8	5.5	
			7 ~ 10	10	2.2	10	4	8.9	7.5	
			9 ~ 13	12	3	12	5.5	-	-	
NQ2-15P/2	NC1-1810	NR2-25	7 ~ 10	10	2.2	10	4	10	7.5	NP2-EA31 (start)
			9 ~ 13	13	3	13	5.5	12	10	
			12 ~ 18	18	4	18	7.5	-	-	
NQ2-15P/3	NC1-2510	NR2-25	9 ~ 13	13	3	13	5.5	13	11	NP2-EA42 (stop)
			12 ~ 18	18	4	18	7.5	18	15	
			17 ~ 25	25	5.5	25	11	-	-	
NQ2-15P/4	NC1-3210	NR2-25	17 ~ 25	25	5.5	25	11	21	18.5	
		NR2-36	23 ~ 32	32	7.5	32	15	-	-	
			28 ~ 36	32	7.5	32	15	-	-	
NQ2-33P/1	NC1-6511	NR2-93	23 ~ 32	32	7.5	32	15	32	30	
			30 ~ 40	40	11	40	18.5	40	33	
			37 ~ 50	50	11	50	22	42	33	
			48 ~ 65	52	15	52	25	-	-	
NQ2-33P/2	NC1-9511	NR2-93	30 ~ 40	40	11	40	18.5	40	37	
			37 ~ 50	50	11	50	22	49	37	
			48 ~ 65	65	18.5	65	30	-	-	
			55 ~ 70	68	18.5	68	33	-	-	
			63 ~ 80	68	25	68	33	-	-	

3.3 NQ2-15 N

Model	AC contactor model assembled	Thermal relay model assembled	Current setting range (A)	AC-3					
				220/230V		380/400V		660/690V	
				Ie(A)	Pe(kW)	Ie(A)	Pe(kW)	Ie(A)	Pe(kW)
NQ2-15N/1	NC1-1201N	NR2-25	0.1 ~ 0.16	0.16	0.03	0.16	0.04	0.16	0.06
			0.16 ~ 0.25	0.25	0.04	0.25	0.06	0.25	0.12
			0.25 ~ 0.4	0.4	0.06	0.4	0.09	0.4	0.18
			0.4 ~ 0.63	0.63	0.09	0.63	0.18	0.63	0.25
			0.63 ~ 1	1	0.18	1	0.25	1	0.55
			1 ~ 1.6	1.6	0.25	1.6	0.55	1.6	1.1
			1.25 ~ 2	2	0.37	2	0.75	2	1.1
			1.6 ~ 2.5	2.5	0.37	2.5	0.75	2.5	1.5
			2.5 ~ 4	4	0.75	4	1.5	4	3
			4 ~ 6	6	1.1	6	2.2	6	4
			5.5 ~ 8	8	1.5	8	3	8	5.5
			7 ~ 10	10	2.2	10	4	8.9	7.5
			9 ~ 13	12	3	12	5.5	-	-
NQ2-15N/2	NC1-1801N	NR2-25	7 ~ 10	10	2.2	10	4	10	7.5
			9 ~ 13	13	3	13	5.5	12	10
			12 ~ 18	18	4	18	7.5	-	-
NQ2-15N/3	NC1-2501N	NR2-25	9 ~ 13	13	3	13	5.5	13	11
			12 ~ 18	18	4	18	7.5	18	15
			17 ~ 25	25	5.5	25	11	-	-
NQ2-15N/4	NC1-3201N	NR2-25	17 ~ 25	25	5.5	25	11	21	18.5
		NR2-36	23 ~ 32	32	7.5	32	15	-	-
			28 ~ 36	32	7.5	32	15	-	-

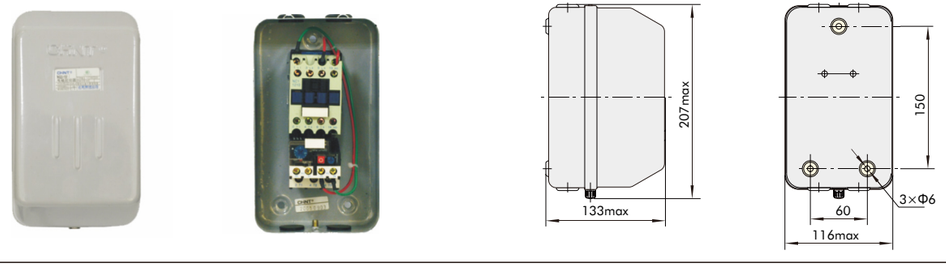
3.4 NQ2-15NB

Model	AC contactor model assembled	AC-3					
		220/230V		380/400V		660/690V	
		Ie(A)	Pe(kW)	Ie(A)	Pe(kW)	Ie(A)	Pe(kW)
NQ2-15NB/1	NC1-1201N	12	3	12	5.5	8.9	7.5
NQ2-15NB/2	NC1-1801N	18	4	18	7.5	12	10
NQ2-15NB/3	NC1-2501N	25	5.5	25	11	18	15
NQ2-15NB/4	NC1-3201N	32	7.5	32	15	21	18.5

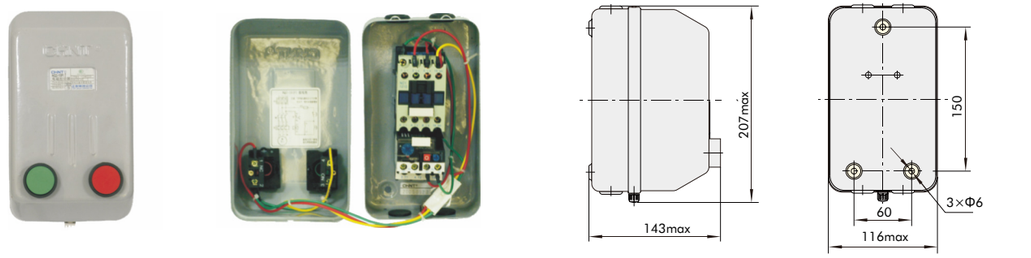
Altitude: not exceeding 2000m; Temperature of ambient air: -5℃ ~+40℃
Rated control supply voltage (AC 50Hz,50/60Hz): 24V, 36V, 48V, 110V, 120V, 127V, 220V, 230V, 240V, 380V, 400V, 415V, 440V, 480V, 600V, 660V
Mechanical life: 1,000,000 circles; Electric life (AC-3): 500,000 circles; IP40

4. Overall and mounting dimensions (mm)

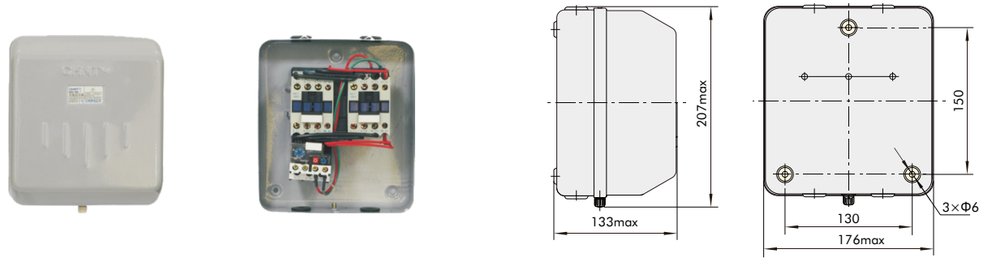
NQ2-15



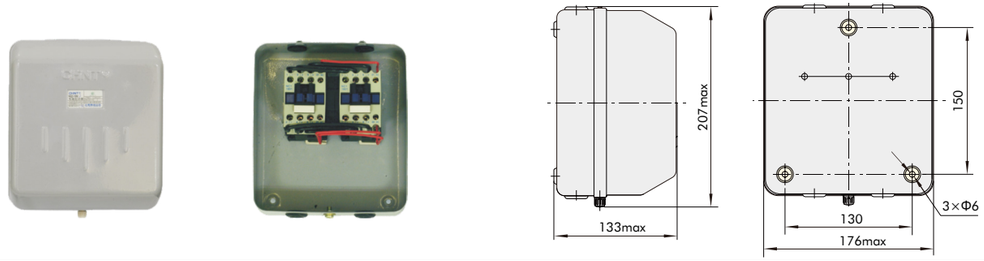
NQ2-15P



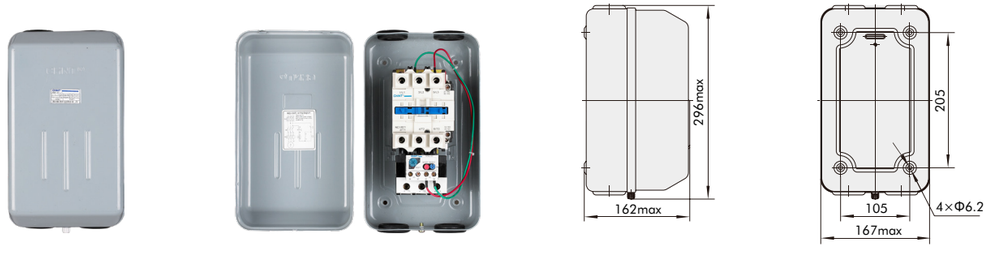
NQ2-15N



NQ2-15NB

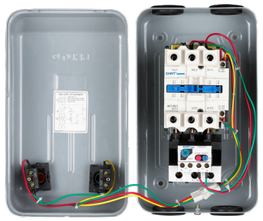


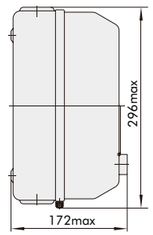
NQ2-33

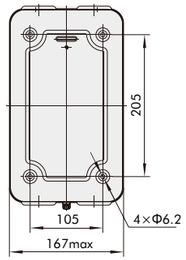


NQ2-33P

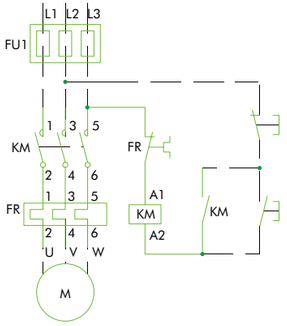




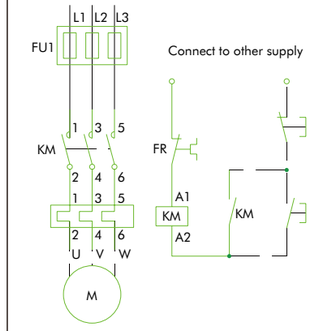




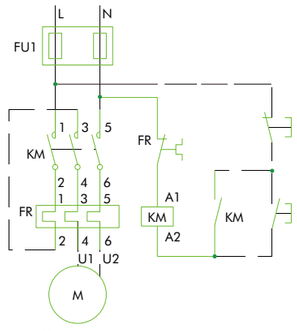
5.Wiring Diagram



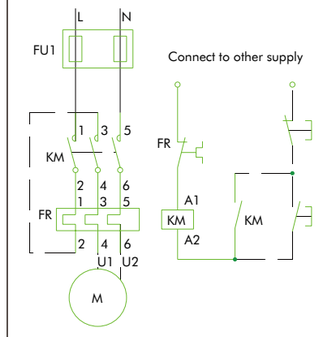
Control supply voltage is as the same as the main circuit voltage(three-phrase)



Control supply voltage is not as the same as the main circuit voltage(three-phrase)



Control supply voltage is as the same as the main circuit voltage(single-phrase)



NQ2	-	15	P	/	1	220V	9~13A
Product Series		**Frame Size**	**Function**		**Contactor Inside**	**Coil voltage**	**Setting Current Scope**
		15 33	Blank: without pushbutton and non-reversing P: with pushbutton N: reversing NB: reversing without thermal overload relay		Frame Size 15: 1: NC1-12 2: NC1-18 3: NC1-25 4: NC1-32 Frame Size 33: 1: NC1-65 2: NC1-95	110V: AC110V 120V: AC120V 127V: AC127V 220V: AC220V 230V: AC230V 240V: AC240V 380V: AC380V 400V: AC400V 415V: AC415V 440V: AC440V	Blank: without thermal overload relay inside Frame Size 15: 0.1~0.16A 0.16~0.25A 0.25~0.4A 0.4~0.63A 0.63~1A 1~1.6A 1.25~2A 1.6~2.5A 2.5~4A 4~6A 5.5~8A 7~10A 9~13A 12~18A 17~25A 23~32A 28~36A Frame Size 33: 23~32A 30~40A 37~50A 48~65A 55~70A 63~80A 80~93A

NQ2 Electromagnetic Starter 15~33kW

Frame Size	AC-3 Current	Function	Setting Current	Voltage	Model Description	Code
15kW	12A	Non-reversing type without pushbutton	5.5-8A	415V	NQ2-15/1 415V 5.5-8A	254800
15kW	12A	Non-reversing type without pushbutton	0.1-0.16A	220V	NQ2-15/1 220V 0.1-0.16A	257192
15kW	12A	Non-reversing type without pushbutton	0.16-0.25A	220V	NQ2-15/1 220V 0.16-0.25A	257193
15kW	12A	Non-reversing type without pushbutton	0.25-0.4A	220V	NQ2-15/1 220V 0.25-0.4A	257194
15kW	12A	Non-reversing type without pushbutton	0.4-0.63A	220V	NQ2-15/1 220V 0.4-0.63A	257195
15kW	12A	Non-reversing type without pushbutton	0.63-1A	220V	NQ2-15/1 220V 0.63-1A	257196
15kW	12A	Non-reversing type without pushbutton	1.25-2A	220V	NQ2-15/1 220V 1.25-2A	257197
15kW	12A	Non-reversing type without pushbutton	1-1.6A	220V	NQ2-15/1 220V 1-1.6A	257198
15kW	12A	Non-reversing type without pushbutton	0.16-0.25A	380V	NQ2-15/1 380V 0.16-0.25A	257199
15kW	12A	Non-reversing type without pushbutton	0.1-0.16A	415V	NQ2-15/1 415V 0.1-0.16A	257200
15kW	12A	Non-reversing type without pushbutton	0.16-0.25A	415V	NQ2-15/1 415V 0.16-0.25A	257201
15kW	12A	Non-reversing type without pushbutton	0.25-0.4A	415V	NQ2-15/1 415V 0.25-0.4A	257202
15kW	12A	Non-reversing type without pushbutton	0.4-0.63A	415V	NQ2-15/1 415V 0.4-0.63A	257203
15kW	12A	Non-reversing type without pushbutton	0.63-1A	415V	NQ2-15/1 415V 0.63-1A	257204
15kW	12A	Non-reversing type without pushbutton	1.25-2A	415V	NQ2-15/1 415V 1.25-2A	257205
15kW	12A	Non-reversing type without pushbutton	1-1.6A	415V	NQ2-15/1 415V 1-1.6A	257206
15kW	12A	Non-reversing type without pushbutton	7-10A	220V	NQ2-15/1 220V 7-10A	493487
15kW	12A	Non-reversing type without pushbutton	9-13A	220V	NQ2-15/1 220V 9-13A	493488
15kW	12A	Non-reversing type without pushbutton	1.6-2.5A	220V	NQ2-15/1 220V 1.6-2.5A	493489
15kW	12A	Non-reversing type without pushbutton	2.5-4A	220V	NQ2-15/1 220V 2.5-4A	493490
15kW	12A	Non-reversing type without pushbutton	4-6A	220V	NQ2-15/1 220V 4-6A	493491
15kW	12A	Non-reversing type without pushbutton	5.5-8A	220V	NQ2-15/1 220V 5.5-8A	493492
15kW	12A	Non-reversing type without pushbutton	0.1-0.16A	380V	NQ2-15/1 380V 0.1-0.16A	493493
15kW	12A	Non-reversing type without pushbutton	0.25-0.4A	380V	NQ2-15/1 380V 0.25-0.4A	493494
15kW	12A	Non-reversing type without pushbutton	0.4-0.63A	380V	NQ2-15/1 380V 0.4-0.63A	493495
15kW	12A	Non-reversing type without pushbutton	1-1.6A	380V	NQ2-15/1 380V 1-1.6A	493496
15kW	12A	Non-reversing type without pushbutton	7-10A	380V	NQ2-15/1 380V 7-10A	493497
15kW	12A	Non-reversing type without pushbutton	9-13A	380V	NQ2-15/1 380V 9-13A	493498
15kW	12A	Non-reversing type without pushbutton	0.63-1A	380V	NQ2-15/1 380V 0.63-1A	493499
15kW	12A	Non-reversing type without pushbutton	1.6-2.5A	380V	NQ2-15/1 380V 1.6-2.5A	493500
15kW	12A	Non-reversing type without pushbutton	1.25-2A	380V	NQ2-15/1 380V 1.25-2A	493501
15kW	12A	Non-reversing type without pushbutton	2.5-4A	380V	NQ2-15/1 380V 2.5-4A	493502
15kW	12A	Non-reversing type without pushbutton	4-6A	380V	NQ2-15/1 380V 4-6A	493503
15kW	12A	Non-reversing type without pushbutton	5.5-8A	380V	NQ2-15/1 380V 5.5-8A	493504
15kW	12A	Non-reversing type without pushbutton	7-10A	415V	NQ2-15/1 415V 7-10A	493505
15kW	12A	Non-reversing type without pushbutton	9-13A	415V	NQ2-15/1 415V 9-13A	493506
15kW	12A	Non-reversing type without pushbutton	1.6-2.5A	415V	NQ2-15/1 415V 1.6-2.5A	493507
15kW	12A	Non-reversing type without pushbutton	2.5-4A	415V	NQ2-15/1 415V 2.5-4A	493508
15kW	12A	Non-reversing type without pushbutton	4-6A	415V	NQ2-15/1 415V 4-6A	493509
15kW	18A	Non-reversing type without pushbutton	12-18A	220V	NQ2-15/2 220V 12-18A	493510
15kW	18A	Non-reversing type without pushbutton	12-18A	380V	NQ2-15/2 380V 12-18A	493511
15kW	18A	Non-reversing type without pushbutton	12-18A	415V	NQ2-15/2 415V 12-18A	493512
15kW	25A	Non-reversing type without pushbutton	12-18A	220V	NQ2-15/3 220V 12-18A	254811
15kW	25A	Non-reversing type without pushbutton	17-25A	230V	NQ2-15/3 230V 17-25A	254812
15kW	25A	Non-reversing type without pushbutton	17-25A	415V	NQ2-15/3 415V 17-25A	254813
15kW	25A	Non-reversing type without pushbutton	17-25A	220V	NQ2-15/3 220V 17-25A	493513
15kW	25A	Non-reversing type without pushbutton	17-25A	380V	NQ2-15/3 380V 17-25A	493514
15kW	32A	Non-reversing type without pushbutton	28-36A	220V	NQ2-15/4 220V 28-36A	254818
15kW	32A	Non-reversing type without pushbutton	23-32A	230V	NQ2-15/4 230V 23-32A	254819
15kW	32A	Non-reversing type without pushbutton	23-32A	415V	NQ2-15/4 415V 23-32A	254820
15kW	32A	Non-reversing type without pushbutton	28-36A	415V	NQ2-15/4 415V 28-36A	254821
15kW	32A	Non-reversing type without pushbutton	28-36A	230V	NQ2-15/4 230V 28-36A	257207
15kW	32A	Non-reversing type without pushbutton	23-32A	220V	NQ2-15/4 220V 23-32A	493515
15kW	32A	Non-reversing type without pushbutton	23-32A	380V	NQ2-15/4 380V 23-32A	493516
15kW	32A	Non-reversing type without pushbutton	28-36A	380V	NQ2-15/4 380V 28-36A	493517
15kW	12A	Reversing type	0.1-0.16A	220V	NQ2-15N/1 220V 0.1-0.16A	257208
15kW	12A	Reversing type	0.16-0.25A	220V	NQ2-15N/1 220V 0.16-0.25A	257209
15kW	12A	Reversing type	0.25-0.4A	220V	NQ2-15N/1 220V 0.25-0.4A	257210
15kW	12A	Reversing type	0.4-0.63A	220V	NQ2-15N/1 220V 0.4-0.63A	257211
15kW	12A	Reversing type	0.63-1A	220V	NQ2-15N/1 220V 0.63-1A	257212
15kW	12A	Reversing type	1.25-2A	220V	NQ2-15N/1 220V 1.25-2A	257213
15kW	12A	Reversing type	1.6-2.5A	220V	NQ2-15N/1 220V 1.6-2.5A	257214
15kW	12A	Reversing type	1-1.6A	220V	NQ2-15N/1 220V 1-1.6A	257215
15kW	12A	Reversing type	4-6A	220V	NQ2-15N/1 220V 4-6A	257216
15kW	12A	Reversing type	5.5-8A	220V	NQ2-15N/1 220V 5.5-8A	257217
15kW	12A	Reversing type	7-10A	220V	NQ2-15N/1 220V 7-10A	257218
15kW	12A	Reversing type	0.16-0.25A	380V	NQ2-15N/1 380V 0.16-0.25A	257219
15kW	12A	Reversing type	0.25-0.4A	380V	NQ2-15N/1 380V 0.25-0.4A	257220

Frame Size	AC-3 Current	Function	Setting Current	Voltage	Model Description	Code
15kW	12A	Reversing type	0.4-0.63A	380V	NQ2-15N/1 380V 0.4-0.63A	257221
15kW	12A	Reversing type	0.63-1A	380V	NQ2-15N/1 380V 0.63-1A	257222
15kW	12A	Reversing type	1.25-2A	380V	NQ2-15N/1 380V 1.25-2A	257223
15kW	12A	Reversing type	1.6-2.5A	380V	NQ2-15N/1 380V 1.6-2.5A	257224
15kW	12A	Reversing type	1-1.6A	380V	NQ2-15N/1 380V 1-1.6A	257225
15kW	12A	Reversing type	2.5-4A	380V	NQ2-15N/1 380V 2.5-4A	257226
15kW	12A	Reversing type	4-6A	380V	NQ2-15N/1 380V 4-6A	257227
15kW	12A	Reversing type	5.5-8A	380V	NQ2-15N/1 380V 5.5-8A	257228
15kW	12A	Reversing type	7-10A	380V	NQ2-15N/1 380V 7-10A	257229
15kW	12A	Reversing type	9-13A	380V	NQ2-15N/1 380V 9-13A	257230
15kW	12A	Reversing type	9-13A	220V	NQ2-15N/1 220V 9-13A	493518
15kW	12A	Reversing type	2.5-4A	220V	NQ2-15N/1 220V 2.5-4A	493519
15kW	12A	Reversing type	0.1-0.16A	380V	NQ2-15N/1 380V 0.1-0.16A	493520
15kW	18A	Reversing type	12-18A	380V	NQ2-15N/2 380V 12-18A	257231
15kW	18A	Reversing type	12-18A	220V	NQ2-15N/2 220V 12-18A	493521
15kW	25A	Reversing type	4-6A	230V	NQ2-15N/3 230V 4-6A	254815
15kW	25A	Reversing type	4-6A	380V	NQ2-15N/3 380V 4-6A	255119
15kW	25A	Reversing type	17-25A	220V	NQ2-15N/3 220V 17-25A	493522
15kW	25A	Reversing type	17-25A	380V	NQ2-15N/3 380V 17-25A	493523
15kW	25A	Reversing type	12-18A	380V	NQ2-15N/3 380V 12-18A	493675
15kW	25A	Reversing type	7-10A	380V	NQ2-15N/3 380V 7-10A	493676
15kW	32A	Reversing type	28-36A	220V	NQ2-15N/4 220V 28-36A	257232
15kW	32A	Reversing type	23-32A	380V	NQ2-15N/4 380V 23-32A	257233
15kW	32A	Reversing type	23-32A	220V	NQ2-15N/4 220V 23-32A	493524
15kW	32A	Reversing type	28-36A	380V	NQ2-15N/4 380V 28-36A	493525
15kW	12A	Reversing type without thermal relay	-	220V	NQ2-15NB/1 220V	257234
15kW	12A	Reversing type without thermal relay	-	380V	NQ2-15NB/1 380V	257235
15kW	18A	Reversing type without thermal relay	-	220V	NQ2-15NB/2 220V	257236
15kW	18A	Reversing type without thermal relay	-	380V	NQ2-15NB/2 380V	257237
15kW	25A	Reversing type without thermal relay	-	220V	NQ2-15NB/3 220V	257238
15kW	25A	Reversing type without thermal relay	-	380V	NQ2-15NB/3 380V	257239
15kW	32A	Reversing type without thermal relay	-	380V	NQ2-15NB/4 380V	257240
15kW	32A	Reversing type without thermal relay	-	220V	NQ2-15NB/4 220V	493719
15kW	12A	With pushbutton	-	240V	NQ2-15P/1 240V	254796
15kW	12A	With pushbutton	-	415V	NQ2-15P/1 415V	254797
15kW	12A	With pushbutton	0.63-1A	380V	NQ2-15P/1 380V 0.63-1A	254802
15kW	12A	With pushbutton	2.5-4A	400V	NQ2-15P/1 400V 2.5-4A	254803
15kW	12A	With pushbutton	0.63-1A	400V	NQ2-15P/1 400V 0.63-1A	254804
15kW	12A	With pushbutton	7-10A	400V	NQ2-15P/1 400V 7-10A	254805
15kW	12A	With pushbutton	4-6A	400V	NQ2-15P/1 400V 4-6A	254806
15kW	12A	With pushbutton	5.5-8A	400V	NQ2-15P/1 400V 5.5-8A	254807
15kW	12A	With pushbutton	1.6-2.5A	400V	NQ2-15P/1 400V 1.6-2.5A	254808
15kW	12A	With pushbutton	1-1.6A	400V	NQ2-15P/1 400V 1-1.6A	254809
15kW	12A	With pushbutton	1.25-2A	400V	NQ2-15P/1 400V 1.25-2A	254810
15kW	12A	With pushbutton	0.4-0.63A	220V	NQ2-15P/1 220V 0.4-0.63A	257241
15kW	12A	With pushbutton	0.1-0.16A	230V	NQ2-15P/1 230V 0.1-0.16A	257242
15kW	12A	With pushbutton	0.16-0.25A	230V	NQ2-15P/1 230V 0.16-0.25A	257243
15kW	12A	With pushbutton	0.25-0.4A	230V	NQ2-15P/1 230V 0.25-0.4A	257244
15kW	12A	With pushbutton	0.4-0.63A	230V	NQ2-15P/1 230V 0.4-0.63A	257245
15kW	12A	With pushbutton	0.63-1A	230V	NQ2-15P/1 230V 0.63-1A	257246
15kW	12A	With pushbutton	1.25-2A	230V	NQ2-15P/1 230V 1.25-2A	257247
15kW	12A	With pushbutton	2.5-4A	230V	NQ2-15P/1 230V 2.5-4A	257248
15kW	12A	With pushbutton	4-6A	230V	NQ2-15P/1 230V 4-6A	257249
15kW	12A	With pushbutton	5.5-8A	230V	NQ2-15P/1 230V 5.5-8A	257250
15kW	12A	With pushbutton	0.1-0.16A	240V	NQ2-15P/1 240V 0.1-0.16A	257251
15kW	12A	With pushbutton	0.16-0.25A	240V	NQ2-15P/1 240V 0.16-0.25A	257252
15kW	12A	With pushbutton	0.25-0.4A	240V	NQ2-15P/1 240V 0.25-0.4A	257253
15kW	12A	With pushbutton	0.4-0.63A	240V	NQ2-15P/1 240V 0.4-0.63A	257254
15kW	12A	With pushbutton	0.63-1A	240V	NQ2-15P/1 240V 0.63-1A	257255
15kW	12A	With pushbutton	1.25-2A	240V	NQ2-15P/1 240V 1.25-2A	257256
15kW	12A	With pushbutton	1.6-2.5A	240V	NQ2-15P/1 240V 1.6-2.5A	257257
15kW	12A	With pushbutton	1-1.6A	240V	NQ2-15P/1 240V 1-1.6A	257258
15kW	12A	With pushbutton	5.5-8A	240V	NQ2-15P/1 240V 5.5-8A	257259
15kW	12A	With pushbutton	0.16-0.25A	380V	NQ2-15P/1 380V 0.16-0.25A	257260
15kW	12A	With pushbutton	0.25-0.4A	380V	NQ2-15P/1 380V 0.25-0.4A	257261
15kW	12A	With pushbutton	0.4-0.63A	380V	NQ2-15P/1 380V 0.4-0.63A	257262
15kW	12A	With pushbutton	0.1-0.16A	400V	NQ2-15P/1 400V 0.1-0.16A	257263
15kW	12A	With pushbutton	0.16-0.25A	400V	NQ2-15P/1 400V 0.16-0.25A	257264

Frame Size	AC-3 Current	Function	Setting Current	Voltage	Model Description	Code
15kW	12A	With pushbutton	0.25-0.4A	400V	NQ2-15P/1 400V 0.25-0.4A	257265
15kW	12A	With pushbutton	0.4-0.63A	400V	NQ2-15P/1 400V 0.4-0.63A	257266
15kW	12A	With pushbutton	0.16-0.25A	415V	NQ2-15P/1 415V 0.16-0.25A	257267
15kW	12A	With pushbutton	0.25-0.4A	415V	NQ2-15P/1 415V 0.25-0.4A	257268
15kW	12A	With pushbutton	0.4-0.63A	415V	NQ2-15P/1 415V 0.4-0.63A	257269
15kW	12A	With pushbutton	0.1-0.16A	440V	NQ2-15P/1 440V 0.1-0.16A	257270
15kW	12A	With pushbutton	0.16-0.25A	440V	NQ2-15P/1 440V 0.16-0.25A	257271
15kW	12A	With pushbutton	0.25-0.4A	440V	NQ2-15P/1 440V 0.25-0.4A	257272
15kW	12A	With pushbutton	0.4-0.63A	440V	NQ2-15P/1 440V 0.4-0.63A	257273
15kW	12A	With pushbutton	1.25-2A	440V	NQ2-15P/1 440V 1.25-2A	257274
15kW	12A	With pushbutton	0.1-0.16A	220V	NQ2-15P/1 220V 0.1-0.16A	493526
15kW	12A	With pushbutton	0.16-0.25A	220V	NQ2-15P/1 220V 0.16-0.25A	493527
15kW	12A	With pushbutton	0.25-0.4A	220V	NQ2-15P/1 220V 0.25-0.4A	493528
15kW	12A	With pushbutton	0.63-1A	220V	NQ2-15P/1 220V 0.63-1A	493529
15kW	12A	With pushbutton	1.25-2A	220V	NQ2-15P/1 220V 1.25-2A	493530
15kW	12A	With pushbutton	1-1.6A	220V	NQ2-15P/1 220V 1-1.6A	493531
15kW	12A	With pushbutton	7-10A	220V	NQ2-15P/1 220V 7-10A	493532
15kW	12A	With pushbutton	9-13A	220V	NQ2-15P/1 220V 9-13A	493533
15kW	12A	With pushbutton	1.6-2.5A	220V	NQ2-15P/1 220V 1.6-2.5A	493534
15kW	12A	With pushbutton	2.5-4A	220V	NQ2-15P/1 220V 2.5-4A	493535
15kW	12A	With pushbutton	4-6A	220V	NQ2-15P/1 220V 4-6A	493536
15kW	12A	With pushbutton	5.5-8A	220V	NQ2-15P/1 220V 5.5-8A	493537
15kW	12A	With pushbutton	230V	230V	NQ2-15P/1 230V	493538
15kW	12A	With pushbutton	1-1.6A	230V	NQ2-15P/1 230V 1-1.6A	493539
15kW	12A	With pushbutton	9-13A	230V	NQ2-15P/1 230V 9-13A	493540
15kW	12A	With pushbutton	1.6-2.5A	230V	NQ2-15P/1 230V 1.6-2.5A	493541
15kW	12A	With pushbutton	9-13A	240V	NQ2-15P/1 240V 9-13A	493542
15kW	12A	With pushbutton	2.5-4A	240V	NQ2-15P/1 240V 2.5-4A	493543
15kW	12A	With pushbutton	7-10A	240V	NQ2-15P/1 240V 7-10A	493544
15kW	12A	With pushbutton	4-6A	240V	NQ2-15P/1 240V 4-6A	493545
15kW	12A	With pushbutton	1-1.6A	380V	NQ2-15P/1 380V 1-1.6A	493546
15kW	12A	With pushbutton	7-10A	380V	NQ2-15P/1 380V 7-10A	493547
15kW	12A	With pushbutton	9-13A	380V	NQ2-15P/1 380V 9-13A	493548
15kW	12A	With pushbutton	1.6-2.5A	380V	NQ2-15P/1 380V 1.6-2.5A	493549
15kW	12A	With pushbutton	2.5-4A	380V	NQ2-15P/1 380V 2.5-4A	493550
15kW	12A	With pushbutton	4-6A	380V	NQ2-15P/1 380V 4-6A	493551
15kW	12A	With pushbutton	5.5-8A	380V	NQ2-15P/1 380V 5.5-8A	493552
15kW	12A	With pushbutton	9-13A	400V	NQ2-15P/1 400V 9-13A	493553
15kW	12A	With pushbutton	0.1-0.16A	415V	NQ2-15P/1 415V 0.1-0.16A	493554
15kW	12A	With pushbutton	1-1.6A	415V	NQ2-15P/1 415V 1-1.6A	493555
15kW	12A	With pushbutton	7-10A	415V	NQ2-15P/1 415V 7-10A	493556
15kW	12A	With pushbutton	9-13A	415V	NQ2-15P/1 415V 9-13A	493557
15kW	12A	With pushbutton	0.63-1A	415V	NQ2-15P/1 415V 0.63-1A	493558
15kW	12A	With pushbutton	1.6-2.5A	415V	NQ2-15P/1 415V 1.6-2.5A	493559
15kW	12A	With pushbutton	1.25-2A	415V	NQ2-15P/1 415V 1.25-2A	493560
15kW	12A	With pushbutton	2.5-4A	415V	NQ2-15P/1 415V 2.5-4A	493561
15kW	12A	With pushbutton	4-6A	415V	NQ2-15P/1 415V 4-6A	493562
15kW	12A	With pushbutton	5.5-8A	415V	NQ2-15P/1 415V 5.5-8A	493563
15kW	12A	With pushbutton	1-1.6A	440V	NQ2-15P/1 440V 1-1.6A	493564
15kW	12A	With pushbutton	7-10A	440V	NQ2-15P/1 440V 7-10A	493565
15kW	12A	With pushbutton	9-13A	440V	NQ2-15P/1 440V 9-13A	493566
15kW	12A	With pushbutton	0.63-1A	440V	NQ2-15P/1 440V 0.63-1A	493567
15kW	12A	With pushbutton	1.6-2.5A	440V	NQ2-15P/1 440V 1.6-2.5A	493568
15kW	12A	With pushbutton	2.5-4A	440V	NQ2-15P/1 440V 2.5-4A	493569
15kW	12A	With pushbutton	4-6A	440V	NQ2-15P/1 440V 4-6A	493570
15kW	12A	With pushbutton	5.5-8A	440V	NQ2-15P/1 440V 5.5-8A	493571
15kW	12A	With pushbutton	-	380V	NQ2-15P/1 380V	493685
15kW	12A	With pushbutton	-	220V	NQ2-15P/1 220V	522156
15kW	18A	With pushbutton	-	240V	NQ2-15P/2 240V	254798
15kW	18A	With pushbutton	-	415V	NQ2-15P/2 415V	254799
15kW	18A	With pushbutton	12-18A	120V	NQ2-15P/2 120V 12-18A	493572
15kW	18A	With pushbutton	9-13A	220V	NQ2-15P/2 220V 9-13A	493573
15kW	18A	With pushbutton	12-18A	220V	NQ2-15P/2 220V 12-18A	493574
15kW	18A	With pushbutton	-	230V	NQ2-15P/2 230V	493575
15kW	18A	With pushbutton	12-18A	230V	NQ2-15P/2 230V 12-18A	493576
15kW	18A	With pushbutton	12-18A	240V	NQ2-15P/2 240V 12-18A	493577
15kW	18A	With pushbutton	9-13A	380V	NQ2-15P/2 380V 9-13A	493578
15kW	18A	With pushbutton	12-18A	380V	NQ2-15P/2 380V 12-18A	493579

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15kW	18A	With pushbutton	12-18A	400V	NQ2-15P/2 400V 12-18A	493580
15kW	18A	With pushbutton	9-13A	415V	NQ2-15P/2 415V 9-13A	493581
15kW	18A	With pushbutton	12-18A	415V	NQ2-15P/2 415V 12-18A	493582
15kW	18A	With pushbutton	12-18A	440V	NQ2-15P/2 440V 12-18A	493583
15kW	18A	With pushbutton	-	380V	NQ2-15P/2 380V	493684
15kW	18A	With pushbutton	-	400V	NQ2-15P/2 400V	493726
15kW	18A	With pushbutton	-	220V	NQ2-15P/2 220V	522157
15kW	25A	With pushbutton	-	240V	NQ2-15P/3 240V	254801
15kW	25A	With pushbutton	17-25A	240V	NQ2-15P/3 240V 17-25A	254816
15kW	25A	With pushbutton	12-18A	220V	NQ2-15P/3 220V 12-18A	254817
15kW	25A	With pushbutton	17-25A	220V	NQ2-15P/3 220V 17-25A	493584
15kW	25A	With pushbutton	-	230V	NQ2-15P/3 230V	493585
15kW	25A	With pushbutton	17-25A	230V	NQ2-15P/3 230V 17-25A	493586
15kW	25A	With pushbutton	17-25A	380V	NQ2-15P/3 380V 17-25A	493587
15kW	25A	With pushbutton	17-25A	400V	NQ2-15P/3 400V 17-25A	493588
15kW	25A	With pushbutton	12-18A	415V	NQ2-15P/3 415V 12-18A	493589
15kW	25A	With pushbutton	17-25A	415V	NQ2-15P/3 415V 17-25A	493590
15kW	25A	With pushbutton	17-25A	440V	NQ2-15P/3 440V 17-25A	493591
15kW	25A	With pushbutton	-	380V	NQ2-15P/3 380V	493683
15kW	25A	With pushbutton	-	220V	NQ2-15P/3 220V	522158
15kW	32A	With pushbutton	-	415V	NQ2-15P/4 415V	254814
15kW	32A	With pushbutton	23-32A	230V	NQ2-15P/4 230V 23-32A	254822
15kW	32A	With pushbutton	23-32A	240V	NQ2-15P/4 240V 23-32A	254823
15kW	32A	With pushbutton	23-32A	120V	NQ2-15P/4 120V 23-32A	254824
15kW	32A	With pushbutton	28-36A	120V	NQ2-15P/4 120V 28-36A	254825
15kW	32A	With pushbutton	23-32A	127V	NQ2-15P/4 127V 23-32A	255118
15kW	32A	With pushbutton	28-36A	240V	NQ2-15P/4 240V 28-36A	256563
15kW	32A	With pushbutton	28-36A	127V	NQ2-15P/4 127V 28-36A	257275
15kW	32A	With pushbutton	28-36A	230V	NQ2-15P/4 230V 28-36A	257276
15kW	32A	With pushbutton	23-32A	110V	NQ2-15P/4 110V 23-32A	493592
15kW	32A	With pushbutton	28-36A	110V	NQ2-15P/4 110V 28-36A	493593
15kW	32A	With pushbutton	23-32A	220V	NQ2-15P/4 220V 23-32A	493594
15kW	32A	With pushbutton	28-36A	220V	NQ2-15P/4 220V 28-36A	493595
15kW	32A	With pushbutton	-	230V	NQ2-15P/4 230V	493596

Frame Size	AC-3 Current	Function	Setting Current	Voltage	Model Description	Code
15kW	32A	With pushbutton	23-32A	380V	NQ2-15P/4 380V 23-32A	493597
15kW	32A	With pushbutton	28-36A	380V	NQ2-15P/4 380V 28-36A	493598
15kW	32A	With pushbutton	23-32A	400V	NQ2-15P/4 400V 23-32A	493599
15kW	32A	With pushbutton	28-36A	400V	NQ2-15P/4 400V 28-36A	493600
15kW	32A	With pushbutton	23-32A	415V	NQ2-15P/4 415V 23-32A	493601
15kW	32A	With pushbutton	28-36A	415V	NQ2-15P/4 415V 28-36A	493602
15kW	32A	With pushbutton	23-32A	440V	NQ2-15P/4 440V 23-32A	493603
15kW	32A	With pushbutton	28-36A	440V	NQ2-15P/4 440V 28-36A	493604
15kW	32A	With pushbutton	-	380V	NQ2-15P/4 380V	493682
15kW	32A	With pushbutton	-	220V	NQ2-15P/4 220V	522159
33kW		Non-reversing type without pushbutton	23-32A	110V	NQ2-33/1 110V 23-32A	493605
33kW		Non-reversing type without pushbutton	30-40A	110V	NQ2-33/1 110V 30-40A	493606
33kW		Non-reversing type without pushbutton	37-50A	110V	NQ2-33/1 110V 37-50A	493607
33kW		Non-reversing type without pushbutton	48-65A	110V	NQ2-33/1 110V 48-65A	493608
33kW		Non-reversing type without pushbutton	23-32A	220V	NQ2-33/1 220V 23-32A	493609
33kW		Non-reversing type without pushbutton	30-40A	220V	NQ2-33/1 220V 30-40A	493610
33kW		Non-reversing type without pushbutton	37-50A	220V	NQ2-33/1 220V 37-50A	493611
33kW		Non-reversing type without pushbutton	48-65A	220V	NQ2-33/1 220V 48-65A	493612
33kW		Non-reversing type without pushbutton	23-32A	36V	NQ2-33/1 36V 23-32A	493613
33kW		Non-reversing type without pushbutton	30-40A	36V	NQ2-33/1 36V 30-40A	493614
33kW		Non-reversing type without pushbutton	37-50A	36V	NQ2-33/1 36V 37-50A	493615
33kW		Non-reversing type without pushbutton	48-65A	36V	NQ2-33/1 36V 48-65A	493616
33kW		Non-reversing type without pushbutton	23-32A	380V	NQ2-33/1 380V 23-32A	493617
33kW		Non-reversing type without pushbutton	30-40A	380V	NQ2-33/1 380V 30-40A	493618
33kW		Non-reversing type without pushbutton	37-50A	380V	NQ2-33/1 380V 37-50A	493619
33kW		Non-reversing type without pushbutton	48-65A	380V	NQ2-33/1 380V 48-65A	493620
33kW		Non-reversing type without pushbutton	55-70A	110V	NQ2-33/2 110V 55-70A	493621
33kW		Non-reversing type without pushbutton	63-80A	110V	NQ2-33/2 110V 63-80A	493622
33kW		Non-reversing type without pushbutton	80-93A	110V	NQ2-33/2 110V 80-93A	493623
33kW		Non-reversing type without pushbutton	55-70A	220V	NQ2-33/2 220V 55-70A	493624
33kW		Non-reversing type without pushbutton	63-80A	220V	NQ2-33/2 220V 63-80A	493625
33kW		Non-reversing type without pushbutton	80-93A	220V	NQ2-33/2 220V 80-93A	493626
33kW		Non-reversing type without pushbutton	55-70A	36V	NQ2-33/2 36V 55-70A	493627
33kW		Non-reversing type without pushbutton	63-80A	36V	NQ2-33/2 36V 63-80A	493628

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33kW		Non-reversing type without pushbutton	80-93A	36V	NQ2-33/2 36V 80-93A	493629
33kW		Non-reversing type without pushbutton	55-70A	380V	NQ2-33/2 380V 55-70A	493630
33kW		Non-reversing type without pushbutton	63-80A	380V	NQ2-33/2 380V 63-80A	493631
33kW		Non-reversing type without pushbutton	80-93A	380V	NQ2-33/2 380V 80-93A	493632
33kW		With pushbutton	37-50A	440V	NQ2-33P/1 440V 37-50A	253666
33kW		With pushbutton	48-65A	440V	NQ2-33P/1 440V 48-65A	253667
33kW		With pushbutton	48-65A	415V	NQ2-33P/1 415V 48-65A	255120
33kW		With pushbutton	30-40A	415V	NQ2-33P/1 415V 30-40A	255121
33kW		With pushbutton	37-50A	415V	NQ2-33P/1 415V 37-50A	255122
33kW		With pushbutton	23-32A	240V	NQ2-33P/1 240V 23-32A	257277
33kW		With pushbutton	30-40A	240V	NQ2-33P/1 240V 30-40A	257278
33kW		With pushbutton	23-32A	415V	NQ2-33P/1 415V 23-32A	257279
33kW		With pushbutton	23-32A	440V	NQ2-33P/1 440V 23-32A	257280
33kW		With pushbutton	30-40A	440V	NQ2-33P/1 440V 30-40A	257281
33kW		With pushbutton	23-32A	110V	NQ2-33P/1 110V 23-32A	493633
33kW		With pushbutton	30-40A	110V	NQ2-33P/1 110V 30-40A	493634
33kW		With pushbutton	37-50A	110V	NQ2-33P/1 110V 37-50A	493635
33kW		With pushbutton	48-65A	110V	NQ2-33P/1 110V 48-65A	493636
33kW		With pushbutton	23-32A	220V	NQ2-33P/1 220V 23-32A	493637
33kW		With pushbutton	30-40A	220V	NQ2-33P/1 220V 30-40A	493638
33kW		With pushbutton	37-50A	220V	NQ2-33P/1 220V 37-50A	493639
33kW		With pushbutton	48-65A	220V	NQ2-33P/1 220V 48-65A	493640
33kW		With pushbutton	230V	230V	NQ2-33P/1 230V	493641
33kW		With pushbutton	37-50A	240V	NQ2-33P/1 240V 37-50A	493642
33kW		With pushbutton	48-65A	240V	NQ2-33P/1 240V 48-65A	493643
33kW		With pushbutton	23-32A	36V	NQ2-33P/1 36V 23-32A	493644
33kW		With pushbutton	30-40A	36V	NQ2-33P/1 36V 30-40A	493645
33kW		With pushbutton	37-50A	36V	NQ2-33P/1 36V 37-50A	493646
33kW		With pushbutton	48-65A	36V	NQ2-33P/1 36V 48-65A	493647
33kW		With pushbutton	23-32A	380V	NQ2-33P/1 380V 23-32A	493648
33kW		With pushbutton	30-40A	380V	NQ2-33P/1 380V 30-40A	493649
33kW		With pushbutton	37-50A	380V	NQ2-33P/1 380V 37-50A	493650
33kW		With pushbutton	48-65A	380V	NQ2-33P/1 380V 48-65A	493651
33kW		With pushbutton	-	380V	NQ2-33P/1(NC1-4011) 380V	493652

Frame Size	AC-3 Current	Function	Setting Current	Voltage	Model Description	Code
33kW		With pushbutton	-	380V	NQ2-33P/1(NC1-5011) 380V	493653
33kW		With pushbutton	-	380V	NQ2-33P/1 380V	493654
33kW		With pushbutton	55-70A	440V	NQ2-33P/2 440V 55-70A	255123
33kW		With pushbutton	63-80A	440V	NQ2-33P/2 440V 63-80A	255124
33kW		With pushbutton	55-70A	120V	NQ2-33P/2 120V 55-70A	257282
33kW		With pushbutton	80-93A	120V	NQ2-33P/2 120V 80-93A	257283
33kW		With pushbutton	55-70A	240V	NQ2-33P/2 240V 55-70A	257284
33kW		With pushbutton	80-93A	440V	NQ2-33P/2 440V 80-93A	257285
33kW		With pushbutton	55-70A	110V	NQ2-33P/2 110V 55-70A	493655
33kW		With pushbutton	63-80A	110V	NQ2-33P/2 110V 63-80A	493656
33kW		With pushbutton	80-93A	110V	NQ2-33P/2 110V 80-93A	493657
33kW		With pushbutton	63-80A	120V	NQ2-33P/2 120V 63-80A	493658
33kW		With pushbutton	55-70A	220V	NQ2-33P/2 220V 55-70A	493659
33kW		With pushbutton	63-80A	220V	NQ2-33P/2 220V 63-80A	493660
33kW		With pushbutton	80-93A	220V	NQ2-33P/2 220V 80-93A	493661
33kW		With pushbutton	-	230V	NQ2-33P/2 230V	493662
33kW		With pushbutton	63-80A	240V	NQ2-33P/2 240V 63-80A	493663
33kW		With pushbutton	80-93A	240V	NQ2-33P/2 240V 80-93A	493664
33kW		With pushbutton	55-70A	36V	NQ2-33P/2 36V 55-70A	493665
33kW		With pushbutton	63-80A	36V	NQ2-33P/2 36V 63-80A	493666
33kW		With pushbutton	80-93A	36V	NQ2-33P/2 36V 80-93A	493667
33kW		With pushbutton	55-70A	380V	NQ2-33P/2 380V 55-70A	493668
33kW		With pushbutton	63-80A	380V	NQ2-33P/2 380V 63-80A	493669
33kW		With pushbutton	80-93A	380V	NQ2-33P/2 380V 80-93A	493670
33kW		With pushbutton	-	380V	NQ2-33P/2(NC1-8011) 380V	493671
33kW		With pushbutton	-	380V	NQ2-33P/2 380V	493672



NQ3 Series DOL Electromagnetic Starters

1.General

1.1 NQ3 series electromagnetic starter ("starter" for short hereinafter) applies mainly to circuit with AC current of 50Hz (or 60Hz), rated operational voltage of 690V and rated controlled power up to 11kW (current up to 22A) for using to control the direct start and halt of the electromotor to protect the motor from overload and phase failure.

1.2 The starter conforms to standards IEC/EN60947-4-1

2.Type designation

N Q 3 - □ P

- P: Code of structure characteristic: P means with buttons
- □: Code of power grade of the bracket
- 3: Design code name
- Q: Electromagnetic starter
- N: Characteristic code of the enterprise

3.Technical data

Altitude: not exceeding 2000m;

Temperature of ambient air: -5℃ ~+40℃

Rated control supply voltage (AC 50Hz,50/60Hz):

24V, 36V, 48V, 110V, 120V, 127V, 220V, 230V, 240V, 380V, 400V, 415V, 440V, 480V, 600V, 660V

Mechanical life: 1,000,000 circles;

Electric life (AC-3): 500,000 circles;

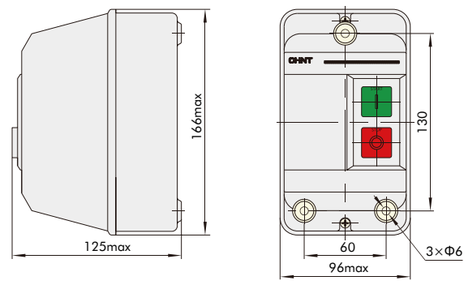
IP55

Table 1 Basic Model and main technical parameter of the starter

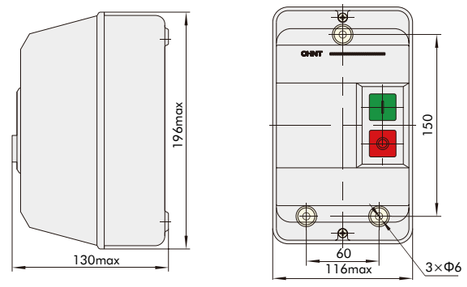
Model	AC contactor model assembled	Thermal relay model assembled	Current setting range (A)	AC-3					
				220/230V		380/400V		660/690V	
				Ie(A)	Pe(kW)	Ie(A)	Pe(kW)	Ie(A)	Pe(kW)
NQ3-5.5P	NC1-1810	NR2-25	0.1 ~ 0.16	0.16	0.03	0.16	0.04	0.16	0.06
			0.16 ~ 0.25	0.25	0.04	0.25	0.06	0.25	0.12
			0.25 ~ 0.4	0.4	0.06	0.4	0.09	0.4	0.18
			0.4 ~ 0.63	0.63	0.09	0.63	0.18	0.63	0.25
			0.63 ~ 1	1	0.18	1	0.25	1	0.55
			1 ~ 1.6	1.6	0.25	1.6	0.55	1.6	1.1
			1.25 ~ 2	2	0.37	2	0.75	2	1.1
			1.6 ~ 2.5	2.5	0.37	2.5	0.75	2.5	1.5
			2.5 ~ 4	4	0.75	4	1.5	4	3
			4 ~ 6	6	1.1	6	2.2	6	4
			5.5 ~ 8	8	1.5	8	3	8	5.5
			7 ~ 10	10	2.2	10	4	10	7.5
			9 ~ 13	12	3	12	5.5	-	-
NQ3-11P	NC1-3210	NR2-25	0.63 ~ 1	1	0.18	1	0.25	1	0.55
			1 ~ 1.6	1.6	0.25	1.6	0.55	1.6	1.1
			1.25 ~ 2	2	0.37	2	0.75	2	1.1
			1.6 ~ 2.5	2.5	0.37	2.5	0.75	2.5	1.5
			2.5 ~ 4	4	0.75	4	1.5	4	3
			4 ~ 6	6	1.1	6	2.2	6	4
			5.5 ~ 8	8	1.5	8	3	8	5.5
			7 ~ 10	10	2.2	10	4	10	7.5
			9 ~ 13	13	3	13	5.5	13	11
			12 ~ 18	18	4	18	7.5	18	15
			17 ~ 25	22	5.5	22	11	-	-

4. Overall and mounting dimension (mm)

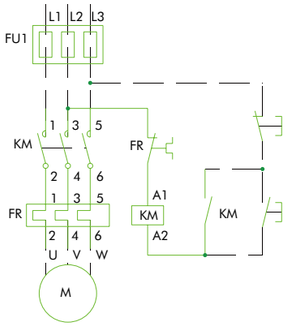
NQ3-5.5P



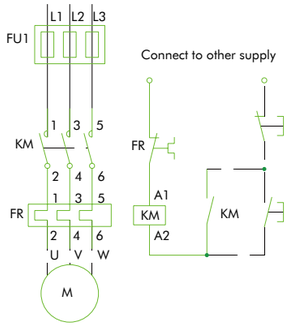
NQ3-11P



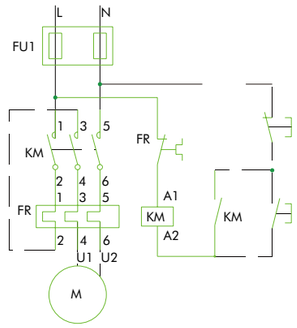
5. Wiring Diagram



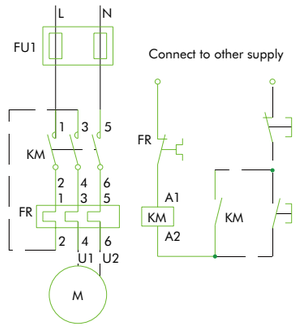
Control supply voltage is as the same as the main circuit voltage(three-phrase)



Control supply voltage is not as the same as the main circuit voltage(three-phrase)



Control supply voltage is as the same as the main circuit voltage(single-phrase)



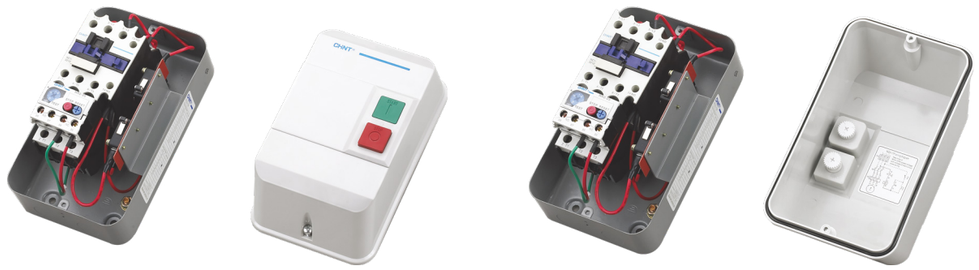
Control supply voltage is not as the same as the main circuit voltage(single-phrase)

6. Picture

NQ3-5.5P



NQ3-11P



NQ3	-	5.5	P	220V	9~13A
Product Series		**Frame Size**	**Function**	**Coil voltage**	**Setting Current Scope**
		5.5 11	P: with pushbutton	110V: AC110V 120V: AC120V 127V: AC127V 220V: AC220V 230V: AC230V 240V: AC240V 380V: AC380V 400V: AC400V 415V: AC415V 440V: AC440V	Frame Size 5.5: 0.1~0.16A 0.16~0.25A 0.25~0.4A 0.4~0.63A 0.63~1A 1~1.6A 1.25~2A 1.6~2.5A 2.5~4A 4~6A 5.5~8A 7~10A 9~13A Frame Size 11: 0.63~1A 1~1.6A 1.25~2A 1.6~2.5A 2.5~4A 4~6A 5.5~8A 7~10A 9~13A 12~18A 17~25A 12~18A 17~25A 23~32A 28~36A

Frame Size	AC-3 Current	Setting Current	Voltage	Model Description	Code
5.5kW	18A	0.1-0.16A	220V	NQ3-5.5P 220V 0.1-0.16A T	496263
5.5kW	18A	0.16-0.25A	220V	NQ3-5.5P 220V 0.16-0.25A T	496264
5.5kW	18A	0.25-0.4A	220V	NQ3-5.5P 220V 0.25-0.4A T	496265
5.5kW	18A	0.4-0.63A	220V	NQ3-5.5P 220V 0.4-0.63A T	496266
5.5kW	18A	0.63-1A	220V	NQ3-5.5P 220V 0.63-1A T	496267
5.5kW	18A	1-1.6A	220V	NQ3-5.5P 220V 1-1.6A T	496268
5.5kW	18A	1.25-2A	220V	NQ3-5.5P 220V 1.25-2A T	496269
5.5kW	18A	1.6-2.5A	220V	NQ3-5.5P 220V 1.6-2.5A T	496270
5.5kW	18A	2.5-4A	220V	NQ3-5.5P 220V 2.5-4A T	496271
5.5kW	18A	4-6A	220V	NQ3-5.5P 220V 4-6A T	496272
5.5kW	18A	5.5-8A	220V	NQ3-5.5P 220V 5.5-8A T	496273
5.5kW	18A	7-10A	220V	NQ3-5.5P 220V 7-10A T	496274
5.5kW	18A	9-13A	220V	NQ3-5.5P 220V 9-13A T	496275
5.5kW	18A	0.1-0.16A	380V	NQ3-5.5P 380V 0.1-0.16A T	496276
5.5kW	18A	0.16-0.25A	380V	NQ3-5.5P 380V 0.16-0.25A T	496277
5.5kW	18A	0.25-0.4A	380V	NQ3-5.5P 380V 0.25-0.4A T	496278
5.5kW	18A	0.4-0.63A	380V	NQ3-5.5P 380V 0.4-0.63A T	496279
5.5kW	18A	0.63-1A	380V	NQ3-5.5P 380V 0.63-1A T	496280
5.5kW	18A	1-1.6A	380V	NQ3-5.5P 380V 1-1.6A T	496281
5.5kW	18A	1.25-2A	380V	NQ3-5.5P 380V 1.25-2A T	496282
5.5kW	18A	1.6-2.5A	380V	NQ3-5.5P 380V 1.6-2.5A T	496283
5.5kW	18A	2.5-4A	380V	NQ3-5.5P 380V 2.5-4A T	496284
5.5kW	18A	4-6A	380V	NQ3-5.5P 380V 4-6A T	496285
5.5kW	18A	5.5-8A	380V	NQ3-5.5P 380V 5.5-8A T	496286
5.5kW	18A	7-10A	380V	NQ3-5.5P 380V 7-10A T	496287
5.5kW	18A	9-13A	380V	NQ3-5.5P 380V 9-13A T	496288
5.5kW	18A	7-10A	120V	NQ3-5.5P 120V 7-10A	496310
5.5kW	18A	5.5-8A	120V	NQ3-5.5P 120V 5.5-8A	496312
5.5kW	18A	110V	110V	NQ3-5.5P 110V	496375
5.5kW	18A	0.1-0.16A	110V	NQ3-5.5P 110V 0.1-0.16A	496376
5.5kW	18A	0.16-0.25A	110V	NQ3-5.5P 110V 0.16-0.25A	496377
5.5kW	18A	0.4-0.63A	110V	NQ3-5.5P 110V 0.4-0.63A	496378
5.5kW	18A	1-1.6A	110V	NQ3-5.5P 110V 1-1.6A	496379
5.5kW	18A	7-10A	110V	NQ3-5.5P 110V 7-10A	496380

Frame Size	AC-3 Current	Setting Current	Voltage	Model Description	Code
5.5kW	18A	9-13A	110V	NQ3-5.5P 110V 9-13A	496381
5.5kW	18A	0.63-1A	110V	NQ3-5.5P 110V 0.63-1A	496382
5.5kW	18A	1.6-2.5A	110V	NQ3-5.5P 110V 1.6-2.5A	496383
5.5kW	18A	1.25-2A	110V	NQ3-5.5P 110V 1.25-2A	496384
5.5kW	18A	2.5-4A	110V	NQ3-5.5P 110V 2.5-4A	496385
5.5kW	18A	4-6A	110V	NQ3-5.5P 110V 4-6A	496386
5.5kW	18A	5.5-8A	110V	NQ3-5.5P 110V 5.5-8A	496387
5.5kW	18A	1-1.6A	127V/60Hz	NQ3-5.5P 127V/60Hz 1-1.6A	496388
5.5kW	18A	7-10A	127V/60Hz	NQ3-5.5P 127V/60Hz 7-10A	496389
5.5kW	18A	1.6-2.5A	127V/60Hz	NQ3-5.5P 127V/60Hz 1.6-2.5A	496390
5.5kW	18A	2.5-4A	127V/60Hz	NQ3-5.5P 127V/60Hz 2.5-4A	496391
5.5kW	18A	4-6A	127V/60Hz	NQ3-5.5P 127V/60Hz 4-6A	496392
5.5kW	18A	5.5-8A	127V/60Hz	NQ3-5.5P 127V/60Hz 5.5-8A	496393
5.5kW	18A	220V	220V	NQ3-5.5P 220V	496394
5.5kW	18A	0.1-0.16A	220V	NQ3-5.5P 220V 0.1-0.16A	496395
5.5kW	18A	0.16-0.25A	220V	NQ3-5.5P 220V 0.16-0.25A	496396
5.5kW	18A	0.25-0.4A	220V	NQ3-5.5P 220V 0.25-0.4A	496397
5.5kW	18A	0.4-0.63A	220V	NQ3-5.5P 220V 0.4-0.63A	496398
5.5kW	18A	1-1.6A	220V	NQ3-5.5P 220V 1-1.6A	496399
5.5kW	18A	7-10A	220V	NQ3-5.5P 220V 7-10A	496400
5.5kW	18A	9-13A	220V	NQ3-5.5P 220V 9-13A	496401
5.5kW	18A	0.63-1A	220V	NQ3-5.5P 220V 0.63-1A	496402
5.5kW	18A	1.6-2.5A	220V	NQ3-5.5P 220V 1.6-2.5A	496403
5.5kW	18A	1.25-2A	220V	NQ3-5.5P 220V 1.25-2A	496404
5.5kW	18A	2.5-4A	220V	NQ3-5.5P 220V 2.5-4A	496405
5.5kW	18A	4-6A	220V	NQ3-5.5P 220V 4-6A	496406
5.5kW	18A	5.5-8A	220V	NQ3-5.5P 220V 5.5-8A	496407
5.5kW	18A	230V	230V	NQ3-5.5P 230V	496408
5.5kW	18A	7-10A	230V	NQ3-5.5P 230V 7-10A	496409
5.5kW	18A	9-13A	230V	NQ3-5.5P 230V 9-13A	496410
5.5kW	18A	1.6-2.5A	230V	NQ3-5.5P 230V 1.6-2.5A	496411
5.5kW	18A	1.25-2A	230V	NQ3-5.5P 230V 1.25-2A	496412
5.5kW	18A	2.5-4A	230V	NQ3-5.5P 230V 2.5-4A	496413
5.5kW	18A	4-6A	230V	NQ3-5.5P 230V 4-6A	496414

Frame Size	AC-3 Current	Setting Current	Voltage	Model Description	Code
5.5kW	18A	5.5-8A	230V	NQ3-5.5P 230V 5.5-8A	496415
5.5kW	18A	240V	240V	NQ3-5.5P 240V	496416
5.5kW	18A	9-13A	240V	NQ3-5.5P 240V 9-13A	496417
5.5kW	18A	0.1-0.16A	36V	NQ3-5.5P 36V 0.1-0.16A	496418
5.5kW	18A	0.16-0.25A	36V	NQ3-5.5P 36V 0.16-0.25A	496419
5.5kW	18A	0.25-0.4A	36V	NQ3-5.5P 36V 0.25-0.4A	496420
5.5kW	18A	0.4-0.63A	36V	NQ3-5.5P 36V 0.4-0.63A	496421
5.5kW	18A	1-1.6A	36V	NQ3-5.5P 36V 1-1.6A	496422
5.5kW	18A	7-10A	36V	NQ3-5.5P 36V 7-10A	496423
5.5kW	18A	9-13A	36V	NQ3-5.5P 36V 9-13A	496424
5.5kW	18A	0.63-1A	36V	NQ3-5.5P 36V 0.63-1A	496425
5.5kW	18A	1.6-2.5A	36V	NQ3-5.5P 36V 1.6-2.5A	496426
5.5kW	18A	1.25-2A	36V	NQ3-5.5P 36V 1.25-2A	496427
5.5kW	18A	2.5-4A	36V	NQ3-5.5P 36V 2.5-4A	496428
5.5kW	18A	4-6A	36V	NQ3-5.5P 36V 4-6A	496429
5.5kW	18A	5.5-8A	36V	NQ3-5.5P 36V 5.5-8A	496430
5.5kW	18A	-	380V	NQ3-5.5P 380V	496431
5.5kW	18A	0.1-0.16A	380V	NQ3-5.5P 380V 0.1-0.16A	496432
5.5kW	18A	0.16-0.25A	380V	NQ3-5.5P 380V 0.16-0.25A	496433
5.5kW	18A	0.25-0.4A	380V	NQ3-5.5P 380V 0.25-0.4A	496434
5.5kW	18A	0.4-0.63A	380V	NQ3-5.5P 380V 0.4-0.63A	496435
5.5kW	18A	1-1.6A	380V	NQ3-5.5P 380V 1-1.6A	496436
5.5kW	18A	7-10A	380V	NQ3-5.5P 380V 7-10A	496437
5.5kW	18A	9-13A	380V	NQ3-5.5P 380V 9-13A	496438
5.5kW	18A	0.63-1A	380V	NQ3-5.5P 380V 0.63-1A	496439
5.5kW	18A	1.6-2.5A	380V	NQ3-5.5P 380V 1.6-2.5A	496440
5.5kW	18A	1.25-2A	380V	NQ3-5.5P 380V 1.25-2A	496441
5.5kW	18A	2.5-4A	380V	NQ3-5.5P 380V 2.5-4A	496442
5.5kW	18A	4-6A	380V	NQ3-5.5P 380V 4-6A	496443
5.5kW	18A	5.5-8A	380V	NQ3-5.5P 380V 5.5-8A	496444
5.5kW	18A	1-1.6A	400V	NQ3-5.5P 400V 1-1.6A	496445
5.5kW	18A	7-10A	400V	NQ3-5.5P 400V 7-10A	496446
5.5kW	18A	9-13A	400V	NQ3-5.5P 400V 9-13A	496447
5.5kW	18A	1.6-2.5A	400V	NQ3-5.5P 400V 1.6-2.5A	496448

Frame Size	AC-3 Current	Setting Current	Voltage	Model Description	Code
5.5kW	18A	1.25-2A	400V	NQ3-5.5P 400V 1.25-2A	496449
5.5kW	18A	2.5-4A	400V	NQ3-5.5P 400V 2.5-4A	496450
5.5kW	18A	4-6A	400V	NQ3-5.5P 400V 4-6A	496451
5.5kW	18A	5.5-8A	400V	NQ3-5.5P 400V 5.5-8A	496452
5.5kW	18A	415V	415V	NQ3-5.5P 415V	496453
5.5kW	18A	1-1.6A	415V	NQ3-5.5P 415V 1-1.6A	496454
5.5kW	18A	7-10A	415V	NQ3-5.5P 415V 7-10A	496455
5.5kW	18A	9-13A	415V	NQ3-5.5P 415V 9-13A	496456
5.5kW	18A	1.6-2.5A	415V	NQ3-5.5P 415V 1.6-2.5A	496457
5.5kW	18A	1.25-2A	415V	NQ3-5.5P 415V 1.25-2A	496458
5.5kW	18A	2.5-4A	415V	NQ3-5.5P 415V 2.5-4A	496459
5.5kW	18A	4-6A	415V	NQ3-5.5P 415V 4-6A	496460
5.5kW	18A	5.5-8A	415V	NQ3-5.5P 415V 5.5-8A	496461
5.5kW	18A	9-13A	120V	NQ3-5.5P 120V 9-13A	496492
11kW	32A	9-13A	440V	NQ3-11P 440V 9-13A	254387
11kW	32A	17-25A	440V	NQ3-11P 440V 17-25A	254388
11kW	32A	12-18A	440V	NQ3-11P 440V 12-18A	254389
11kW	32A	0.4-0.63A	415V	NQ3-11P 415V 0.4-0.63A	254390
11kW	32A	17-25A	400V	NQ3-11P 400V 17-25A	254391
11kW	32A	12-18A	400V	NQ3-11P 400V 12-18A	254392
11kW	32A	9-13A	240V	NQ3-11P 240V 9-13A	254393
11kW	32A	9-13A	120V	NQ3-11P 120V 9-13A	254394
11kW	32A	400V	400V	NQ3-11P 400V	256565
11kW	32A	0.63-1A	110V	NQ3-11P 110V 0.63-1A	257286
11kW	32A	0.63-1A	120V	NQ3-11P 120V 0.63-1A	257287
11kW	32A	1.25-2A	120V	NQ3-11P 120V 1.25-2A	257288
11kW	32A	1.6-2.5A	120V	NQ3-11P 120V 1.6-2.5A	257289
11kW	32A	1-1.6A	120V	NQ3-11P 120V 1-1.6A	257290
11kW	32A	2.5-4A	120V	NQ3-11P 120V 2.5-4A	257291
11kW	32A	4-6A	120V	NQ3-11P 120V 4-6A	257292
11kW	32A	5.5-8A	120V	NQ3-11P 120V 5.5-8A	257293
11kW	32A	7-10A	120V	NQ3-11P 120V 7-10A	257294
11kW	32A	0.63-1A	127V	NQ3-11P 127V 0.63-1A	257295
11kW	32A	1.25-2A	127V	NQ3-11P 127V 1.25-2A	257296

Frame Size	AC-3 Current	Setting Current	Voltage	Model Description	Code
11kW	32A	1.6-2.5A	127V	NQ3-11P 127V 1.6-2.5A	257297
11kW	32A	1-1.6A	127V	NQ3-11P 127V 1-1.6A	257298
11kW	32A	2.5-4A	127V	NQ3-11P 127V 2.5-4A	257299
11kW	32A	4-6A	127V	NQ3-11P 127V 4-6A	257300
11kW	32A	5.5-8A	127V	NQ3-11P 127V 5.5-8A	257301
11kW	32A	7-10A	127V	NQ3-11P 127V 7-10A	257302
11kW	32A	9-13A	127V	NQ3-11P 127V 9-13A	257303
11kW	32A	0.63-1A	220V	NQ3-11P 220V 0.63-1A	257304
11kW	32A	0.63-1A	230V	NQ3-11P 230V 0.63-1A	257305
11kW	32A	1.25-2A	230V	NQ3-11P 230V 1.25-2A	257306
11kW	32A	1.6-2.5A	230V	NQ3-11P 230V 1.6-2.5A	257307
11kW	32A	1-1.6A	230V	NQ3-11P 230V 1-1.6A	257308
11kW	32A	2.5-4A	230V	NQ3-11P 230V 2.5-4A	257309
11kW	32A	4-6A	230V	NQ3-11P 230V 4-6A	257310
11kW	32A	5.5-8A	230V	NQ3-11P 230V 5.5-8A	257311
11kW	32A	0.63-1A	240V	NQ3-11P 240V 0.63-1A	257312
11kW	32A	1.25-2A	240V	NQ3-11P 240V 1.25-2A	257313
11kW	32A	1.6-2.5A	240V	NQ3-11P 240V 1.6-2.5A	257314
11kW	32A	1-1.6A	240V	NQ3-11P 240V 1-1.6A	257315
11kW	32A	2.5-4A	240V	NQ3-11P 240V 2.5-4A	257316
11kW	32A	4-6A	240V	NQ3-11P 240V 4-6A	257317
11kW	32A	5.5-8A	240V	NQ3-11P 240V 5.5-8A	257318
11kW	32A	7-10A	240V	NQ3-11P 240V 7-10A	257319
11kW	32A	0.63-1A	36V	NQ3-11P 36V 0.63-1A	257320
11kW	32A	0.63-1A	380V	NQ3-11P 380V 0.63-1A	257321
11kW	32A	0.63-1A	400V	NQ3-11P 400V 0.63-1A	257322
11kW	32A	1.25-2A	400V	NQ3-11P 400V 1.25-2A	257323
11kW	32A	1.6-2.5A	400V	NQ3-11P 400V 1.6-2.5A	257324
11kW	32A	1-1.6A	400V	NQ3-11P 400V 1-1.6A	257325
11kW	32A	2.5-4A	400V	NQ3-11P 400V 2.5-4A	257326
11kW	32A	4-6A	400V	NQ3-11P 400V 4-6A	257327
11kW	32A	5.5-8A	400V	NQ3-11P 400V 5.5-8A	257328
11kW	32A	7-10A	400V	NQ3-11P 400V 7-10A	257329
11kW	32A	9-13A	400V	NQ3-11P 400V 9-13A	257330

Frame Size	AC-3 Current	Setting Current	Voltage	Model Description	Code
11kW	32A	0.63-1A	415V	NQ3-11P 415V 0.63-1A	257331
11kW	32A	1.25-2A	415V	NQ3-11P 415V 1.25-2A	257332
11kW	32A	1.6-2.5A	415V	NQ3-11P 415V 1.6-2.5A	257333
11kW	32A	1-1.6A	415V	NQ3-11P 415V 1-1.6A	257334
11kW	32A	4-6A	415V	NQ3-11P 415V 4-6A	257335
11kW	32A	5.5-8A	415V	NQ3-11P 415V 5.5-8A	257336
11kW	32A	7-10A	415V	NQ3-11P 415V 7-10A	257337
11kW	32A	0.63-1A	440V	NQ3-11P 440V 0.63-1A	257338
11kW	32A	1.25-2A	440V	NQ3-11P 440V 1.25-2A	257339
11kW	32A	1.6-2.5A	440V	NQ3-11P 440V 1.6-2.5A	257340
11kW	32A	1-1.6A	440V	NQ3-11P 440V 1-1.6A	257341
11kW	32A	2.5-4A	440V	NQ3-11P 440V 2.5-4A	257342
11kW	32A	4-6A	440V	NQ3-11P 440V 4-6A	257343
11kW	32A	5.5-8A	440V	NQ3-11P 440V 5.5-8A	257344
11kW	32A	7-10A	440V	NQ3-11P 440V 7-10A	257345
11kW	32A	7-10A	230V	NQ3-11P 230V 7-10A	259556
11kW	32A	12-18A	220V	NQ3-11P 220V 12-18A TRA	267472
11kW	32A	1-1.6A	220V	NQ3-11P 220V 1-1.6A T	496289
11kW	32A	1.25-2A	220V	NQ3-11P 220V 1.25-2A T	496290
11kW	32A	1.6-2.5A	220V	NQ3-11P 220V 1.6-2.5A T	496291
11kW	32A	2.5-4A	220V	NQ3-11P 220V 2.5-4A T	496292
11kW	32A	4-6A	220V	NQ3-11P 220V 4-6A T	496293
11kW	32A	5.5-8A	220V	NQ3-11P 220V 5.5-8A T	496294
11kW	32A	7-10A	220V	NQ3-11P 220V 7-10A T	496295
11kW	32A	9-13A	220V	NQ3-11P 220V 9-13A T	496296
11kW	32A	12-18A	220V	NQ3-11P 220V 12-18A T	496297
11kW	32A	17-25A	220V	NQ3-11P 220V 17-25A T	496298
11kW	32A	1-1.6A	380V	NQ3-11P 380V 1-1.6A T	496299
11kW	32A	1.25-2A	380V	NQ3-11P 380V 1.25-2A T	496300
11kW	32A	1.6-2.5A	380V	NQ3-11P 380V 1.6-2.5A T	496301
11kW	32A	2.5-4A	380V	NQ3-11P 380V 2.5-4A T	496302
11kW	32A	4-6A	380V	NQ3-11P 380V 4-6A T	496303
11kW	32A	5.5-8A	380V	NQ3-11P 380V 5.5-8A T	496304
11kW	32A	7-10A	380V	NQ3-11P 380V 7-10A T	496305

Frame Size	AC-3 Current	Setting Current	Voltage	Model Description	Code
11kW	32A	9-13A	380V	NQ3-11P 380V 9-13A T	496306
11kW	32A	12-18A	380V	NQ3-11P 380V 12-18A T	496307
11kW	32A	17-25A	380V	NQ3-11P 380V 17-25A T	496308
11kW	32A	110V	110V	NQ3-11P 110V	496313
11kW	32A	1-1.6A	110V	NQ3-11P 110V 1-1.6A	496314
11kW	32A	7-10A	110V	NQ3-11P 110V 7-10A	496315
11kW	32A	9-13A	110V	NQ3-11P 110V 9-13A	496316
11kW	32A	12-18A	110V	NQ3-11P 110V 12-18A	496317
11kW	32A	1.6-2.5A	110V	NQ3-11P 110V 1.6-2.5A	496318
11kW	32A	17-25A	110V	NQ3-11P 110V 17-25A	496319
11kW	32A	1.25-2A	110V	NQ3-11P 110V 1.25-2A	496320
11kW	32A	2.5-4A	110V	NQ3-11P 110V 2.5-4A	496321
11kW	32A	4-6A	110V	NQ3-11P 110V 4-6A	496322
11kW	32A	5.5-8A	110V	NQ3-11P 110V 5.5-8A	496323
11kW	32A	12-18A	120V	NQ3-11P 120V 12-18A	496324
11kW	32A	17-25A	120V	NQ3-11P 120V 17-25A	496325
11kW	32A	12-18A	127V	NQ3-11P 127V 12-18A	496326
11kW	32A	17-25A	127V	NQ3-11P 127V 17-25A	496327
11kW	32A	-	220V	NQ3-11P 220V	496328
11kW	32A	1-1.6A	220V	NQ3-11P 220V 1-1.6A	496329
11kW	32A	7-10A	220V	NQ3-11P 220V 7-10A	496330
11kW	32A	9-13A	220V	NQ3-11P 220V 9-13A	496331
11kW	32A	12-18A	220V	NQ3-11P 220V 12-18A	496332
11kW	32A	1.6-2.5A	220V	NQ3-11P 220V 1.6-2.5A	496333
11kW	32A	17-25A	220V	NQ3-11P 220V 17-25A	496334
11kW	32A	1.25-2A	220V	NQ3-11P 220V 1.25-2A	496335
11kW	32A	2.5-4A	220V	NQ3-11P 220V 2.5-4A	496336
11kW	32A	4-6A	220V	NQ3-11P 220V 4-6A	496337
11kW	32A	5.5-8A	220V	NQ3-11P 220V 5.5-8A	496338
11kW	32A	-	230V	NQ3-11P 230V	496339
11kW	32A	12-18A	230V	NQ3-11P 230V 12-18A	496340
11kW	32A	17-25A	230V	NQ3-11P 230V 17-25A	496341
11kW	32A	-	240V	NQ3-11P 240V	496342
11kW	32A	12-18A	240V	NQ3-11P 240V 12-18A	496343

Frame Size	AC-3 Current	Setting Current	Voltage	Model Description	Code
11kW	32A	17-25A	240V	NQ3-11P 240V 17-25A	496344
11kW	32A	1-1.6A	36V	NQ3-11P 36V 1-1.6A	496345
11kW	32A	7-10A	36V	NQ3-11P 36V 7-10A	496346
11kW	32A	9-13A	36V	NQ3-11P 36V 9-13A	496347
11kW	32A	12-18A	36V	NQ3-11P 36V 12-18A	496348
11kW	32A	1.6-2.5A	36V	NQ3-11P 36V 1.6-2.5A	496349
11kW	32A	17-25A	36V	NQ3-11P 36V 17-25A	496350
11kW	32A	1.25-2A	36V	NQ3-11P 36V 1.25-2A	496351
11kW	32A	2.5-4A	36V	NQ3-11P 36V 2.5-4A	496352
11kW	32A	4-6A	36V	NQ3-11P 36V 4-6A	496353
11kW	32A	5.5-8A	36V	NQ3-11P 36V 5.5-8A	496354
11kW	32A	-	380V	NQ3-11P 380V	496355
11kW	32A	1-1.6A	380V	NQ3-11P 380V 1-1.6A	496356
11kW	32A	7-10A	380V	NQ3-11P 380V 7-10A	496357
11kW	32A	9-13A	380V	NQ3-11P 380V 9-13A	496358
11kW	32A	12-18A	380V	NQ3-11P 380V 12-18A	496359
11kW	32A	1.6-2.5A	380V	NQ3-11P 380V 1.6-2.5A	496360
11kW	32A	17-25A	380V	NQ3-11P 380V 17-25A	496361
11kW	32A	1.25-2A	380V	NQ3-11P 380V 1.25-2A	496362
11kW	32A	2.5-4A	380V	NQ3-11P 380V 2.5-4A	496363
11kW	32A	4-6A	380V	NQ3-11P 380V 4-6A	496364
11kW	32A	5.5-8A	380V	NQ3-11P 380V 5.5-8A	496365
11kW	32A	-	415V	NQ3-11P 415V	496366
11kW	32A	9-13A	415V	NQ3-11P 415V 9-13A	496367
11kW	32A	12-18A	415V	NQ3-11P 415V 12-18A	496368
11kW	32A	17-25A	415V	NQ3-11P 415V 17-25A	496369
11kW	32A	2.5-4A	415V	NQ3-11P 415V 2.5-4A	496370
11kW	32A	9-13A	230V	NQ3-11P 230V 9-13A	496499



NKB1 Series Control & Protective Switching Devices

1.General

NKB1 series control & protective switching device (CPS) is mainly applied to circuit with AC current frequency of 50 Hz or 60Hz, rated operational voltage up to 690V and rated operational current from 1A to 125A used for it is making, carrying and breaking currents under normal conditions, including specified overload conditions and for making, carrying for a specified time and breaking currents under specified abnormal conditions such as those of short-circuits.

NBK1 series CPS is applied to power distribution and motor protection & control of various occasions or systems, e.g. infrastructure, buildings, communications, etc.

Standard: IEC60947-6-2 Multiple function equipment-Control and protective switching devices (or equipment) (CPS).

Symbol:

2. Features

NKB1 series CPS adopts the integrated modular structure, integrating the main functions of circuit breaker, contactor, over load relay, starter, disconnector, and so on.

With small volume and high reliability, it consists of the advantages of high short current breaking capacity and short flashover distance. It can provide inverse time delay protection, short circuit short time delay protection, instantaneous short circuit protection, and fast short circuit protection. Once function selected according to requirements, it can provide protection for various motor starting, control circuits and distribution circuits with accurate and reliable performance.

NKB1 series product consists of enclosure, electromagnetic transmission mechanism, operation mechanism, main circuit contacts sets, intelligent trip unit and auxiliary contacts, and can control the making and breaking of the circuit locally or remotely.

The CPS has a variety of circuit protection functions: start delay, phase failure, three phases unbalance, under current, over voltage, under voltage, etc.

The CPS has different types for choice: basic type, fire-fighting type, leakage type, communication type. The whole series products have isolation function.

The CPS has the one key recovery function and self-setting function, to meet the different needs of the users.

The CPS has two control modes: remote automatic control & local manual control. It has panel indication & electromechanical signal alarm function.

3. Operating conditions

Ambient temperature: -5℃ ~+40℃ , average day temperature value ≤ +35℃ . It can operate reliably at -25℃ ~+70℃ for a short period.
Altitude: ≤2000m,derating by 10% every 1000m when higher than 2000m.
Humidity: When ambient air temperature is + the relative humidity ≤ 50%; Higher relative humidity is allowed at lower temperatures.
The average maximum relative humidity of the month is 90% when the minimum monthly average temperature is + 25 ℃ , and the condensation occurring on the surface of the product due to temperature variation is taken into account.
Pollution degree: 3
Installation category: Ⅲ
Installation site requirement: The external magnetic field of the installation site shall not exceed 5 times of the geomagnetism in any direction. No explosive gas, no corrosive gas; no rain or snow invasion; dry and ventilated.

4. Type Designation

N KB 1 - □□ /□ □/□ □ □ □

- Additional function code: Basic type: blank; Fire-fighting type: F; Leakage type: L; Communication type: T; Isolation type: G
- Control supply voltage code: M-230V, Q-400V
- Auxiliary contacts set code: 06-3NO 2NC+1 fault release+1 fault alarm
- Rated operational current Ie(A): 1、3、6、12、16、25、32、45、63、80、100、125
- Load type code: M-motor protection, L- distribution protection
- Breaking capacity code: C-15kA, Y-35kA
- Frame size (A): 45, 125
- Serial number
- Control & Protective Switching Device (CPS)
- Enterprise code

5. Technical parameter

Table 1 Main circuit technical parameter

Type	NKB1-45							NKB1-125		
Rated operational voltage Ue(V)	400,690/50Hz									
Rated insulation voltage Ui(V)	690							800		
Rated impulse withstand voltage Uimp(kV)	4							6		
Conventional free air thermal current Ith(A)	16				45			80	125	
Rated operational current Ie(A)	13	61	21	62	5	32	45	63	100	125
Utilization categories	AC-43,AC-44									
Number of poles	3P									

Table 2 Setting current of the controller

Frame size	Rated operational current Ie(A)	Controller rated currentlet(A)	Overload setting current range Ir1(A)	Controllable motor power Pe(kW)(400V)
45	11		0.4~1	0.12~0.3
	33		1.2~3	0.37~1.2
	66		2.4~6	1.0~2.7
	12	12	4.8~12	2.2~5.5
	16	16	6.4~16	3.0~7.5
	25	25	10~25	5.0~12
	32	32	12.8~32	6.5~15
	45	45	18~45	9.0~22
125	63	63	25~63	12~30
	80	80	32~80	15~37
	100	100	40~100	22~45
	125	125	50~125	27~55

Table 3 Operating conditions for controlling electromagnet

Rated control supply voltage	Conventional operation	Operation voltage range
M : AC230V	CPS reliable close	(85%~110%)Us
Q : AC400V	CPS open or trip	(20%~75%)Us

Table 4 Electrical life

Type		NKB1-45	NKB1-125
Electrical life(10^4)	AC-43	120	100
	AC-44	20	20
Mechanical life(10^4)		1000	500
Duties:Intermittent duty		300 Loading factor 40%	120 Loading factor 25%

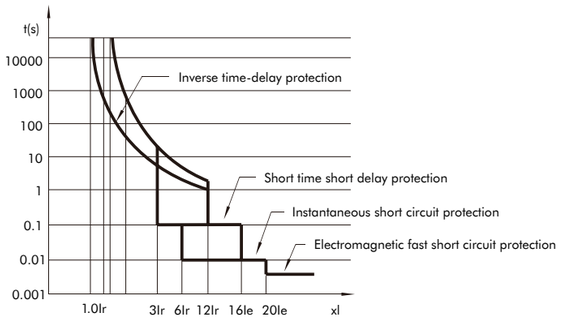


Figure 1 NKB1 time-current characteristics

6. Controller technical parameter

Function		Parameter setting	Delay setting	Factory defaults	Setting parameters	Fault status output	
						Basic type	Fire-fighting type
Overload protection		(0.4 ~ 1)Ie	Protection curve	F1	(0.4 ~ 1)Ie	Delay tripping	Delay alarm
Short circuit short time delay protection		(3 ~ 12)Ir+OFF	0.1 ~ 0.4s	8Ir/0.2s	(3 ~ 12)Ir+OFF	Delay tripping	Delay alarm
Instantaneous short circuit protection		(6 ~ 16)Ie	<50ms	14Ie	(8 ~ 16)Ie	Instantaneous tripping	Tripping + alarm
Phase unbalance (phase failure, phase lose) protection		(20% ~ 80%)+OFF	1 ~ 40s	30%/10s	(20% ~ 80%)+OFF	Delay tripping	Delay alarm (tripping)
Under-current protection		(0 ~ 0.8)Ir+OFF	1 ~ 60s	OFF	(0 ~ 0.8)Ir+OFF	Delay tripping	Delay alarm (tripping)
Under-voltage protection	Us230V	(154V ~ 198V)+OFF	1 ~ 30s	176V/10s	(154V ~ 198V)+OFF	Delay tripping	Delay alarm (tripping)
	Us400V	(266V ~ 342V)+OFF	1 ~ 30s	304V/10s	(266V ~ 342V)+OFF		
Over-voltage protection	Us230V	(230V ~ 286V)+OFF	1 ~ 30s	264V/10s	(230V ~ 286V)+OFF	Delay tripping	Delay alarm
	Us400V	(400V ~ 494V)+OFF	1 ~ 30s	456V/10s	(400V ~ 494V)+OFF		
Start delay protection		(0 ~ 99s)+OFF	0 ~ 99s	3s	~	During the start delay, shield certain protection function, e.g. instantaneous short circuit tripping.	
Locked rotor protection		(5 ~ 9)Ir+OFF	0 ~ 50s	OFF	Hidden menu	Delay tripping	Delay alarm (tripping)
Residual current protection		(30 ~ 500mA)+OFF	0.1 ~ 1s	100mA	(30 ~ 500mA)+OFF	Tripping	Alarm

Notes:Communication and leakage protection are optional function; communication type product adopts RS485 , RJ45 interface, Modbus protocol.
Overload protection setting curve (1.5Ir1 operation times) :F0 (overload protection close) , F1(51), F2(98) , F3(144),F4(200)
The power signal of under/over voltage protection of the controller is taken from the control terminal Us(A1--A2).

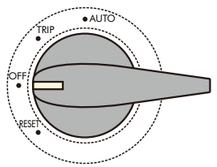
6.1 Controller menu

Controller menu grading: open setup menu, hide setup menu, calibration menu;
Open the setup menu: the user can set functional parameters as required;
One key recovery operation: perform a one key recovery operation when parameter setting problem occurs, and the controller will restore the factory settings (factory defaults);
Self-setting operation: when the load operation is stable, perform this self-setting operation, the controller will set the setting current according to the circuit parameters automatically.

6.2 Controller display

When NKB1 is connected to the working power supply, the LED displays the voltage value, and this can be used as a voltmeter, with the last three figures display the voltage value;
NBK1 can be used as an ammeter at runtime, and circularly displays three phase alternating current running condition;
Troubleshooting: no-load runs NKB1, and press “data” key to view the last fault type.

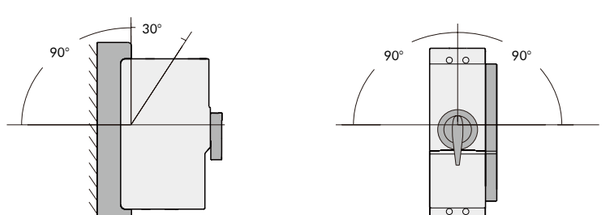
7. Operating instruction (handle)

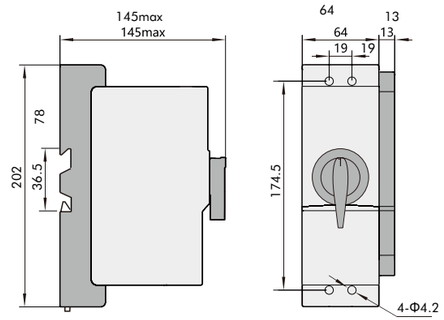


Connect AUTO: (automatic control position) the CPS controls the connection of the electromagnet coil, and realizes remote automatic control by making & breaking the control power supply.
Trip: when there's fault tripping, the mechanism of the switch trips, the main contacts open, and the electromagnet coil circuit is disconnected.
OFF: manual operation, the electromagnet coil circuit is disconnected, the main contacts of the switch remains in the open position.
RESET: turn the operation knob, to reset and switch on the tripped switch mechanism.
Isolation status: When the switch is in the OFF position, pull out the isolation strip and lock it, the switch will be on the disconnected isolation status, and the handle is not operational.
Notes: The isolation type CPS has isolation handle and isolation strip.

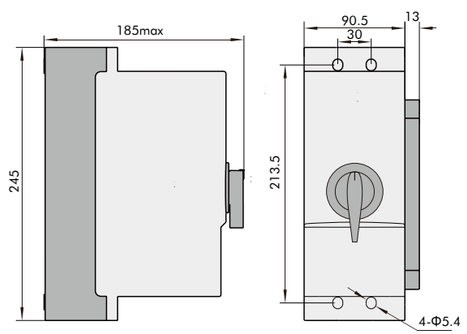
8. Installation

NKB1 Installation dimensions





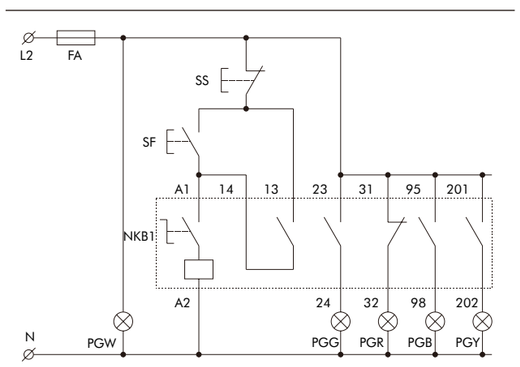
NKB1-45 Control & protective switching device



NKB1-125 Control & protective switching device

9. Basic electric control chart

9.1 Manual panel + local control

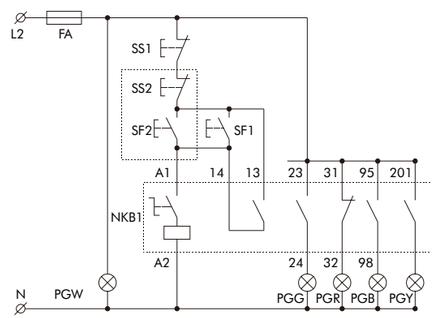


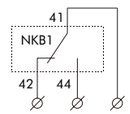
NKB1 Auxiliary contacts instruction (06 auxiliary)

	NO	NC	NC	NO	NC	a	b
Auxiliaries	13 / 14	23 / 24	31 / 32	41 / 44	41 / 42	95 / 98	201 / 202
	AC-15 Ie:5A Ue:400V				AC-15 Ie:3A Ue:230V		

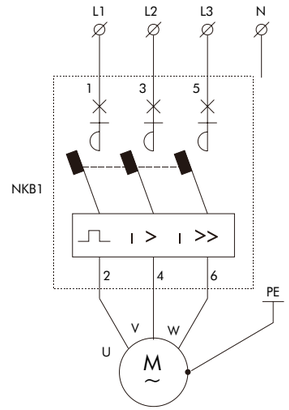
Notes: auxiliary a(95/98): fault tripping signal port;
Auxiliary b(201/202): fire-fighting type fault talarmng signal port.

9.2 Manual panel + local control+ remote control





To the control panel



Notes: This diagram is applicable to all kinds of motor when single equipment is in normal operation and adopts simultaneous local and remote control.

10. Attention

10.1 Before installing the CPS, make sure that the operation knob can work normally and is on the OFF position; “AUTO” indicates the connection status of the main circuit,; “TRIP” indicates the free tripping position that caused by circuit fault, and the circuit fault must be removed by the responsible person before one operates the switch; “OFF” indicates the main circuit open position; the free tripped switch can only be reset and switched on by turning the operation knob to “RESET”.

10.2 Before installing the switch, make sure that the power supply of the coil and auxiliaries comply with the product instruction as well as with the actual control circuit.

10.3 Energizing (85% ~ 110%)Us to the coil, the electromagnet closes reliably when the knob is on “AUTO” position, and the electromagnet releases reliably when the knob is on “OFF” position. The current setting has been set up before leaving the factory, and users can adjust it according to actual needs.

10.4 NKB1 can continue to run after breaking short circuit current, but it need checking and confirmation of its operation status before continue operation.

10.5 In high power motor controlling application (above 11kW), when choosing the starting mode, the user shall take starting torque, current multiple, voltage drop, circuit capacity into consideration. According to general requirements, to start normally with proper load and satisfy the reliable operation of NKB1 electromagnet, the voltage reduction limit shall not exceed 80% of the rated value, and the starting current multiple shall not exceed(4 ~ 5) times.

10.6 The exposed part of the external connecting wire of the incoming and outgoing terminal of the switch shall be wrapped with insulator.

10.7 In the process of transportation and storage, the products shall be protected from rain and snow. The storage environment shall meet the following conditions: daily average temperature shall be +25℃ , relative humidity shall be less than 90%, the environment temperature shall be no higher than +40℃ and no less than -5℃ .

11. Ordering instructions

During product selection, the user shall specify the following contents, if necessary, application conditions or requirements shall be further specified:

Product name & type;

Rated current of the switch, intelligent controller type & rated current;

Control power supply voltage of the electromagnet coil;

Additional functions required.

Motor starter Type II coordination

FUSE + Contactor + Thermal Relay

- DOL，50KA at IEC60947-4-1 standard for IE1&IE2 motor
- Fuse+NXC+NXR
- Motor power 0.06 to 315KW at 380/400/415V 50/60Hz

Motor		Fuse		Contactor	Thermal overload relay	
kW	In(A)	gG (A)	aM(A)	Model	Model	In(A)
0.06	0.2	2	2	NXC06M or NXC06	NXR-12 or NXR-25	0.16-0.25
0.09	0.3	2	2	NXC06M or NXC06	NXR-12 or NXR-25	0.25-0.4
0.12 0.18	0.44 0.6		2	NXC06M or NXC06	NXR-12 or NXR-25	0.4-0.63
0.25	0.85	4	2	NXC06M or NXC06	NXR-12 or NXR-25	0.63-1
0.37	1.1	4	2	NXC06M or NXC06	NXR-12 or NXR-25	1-1.6
0.55	1.5	6	2	NXC06M or NXC06	NXR-12 or NXR-25	1.25-2
0.75	1.9	6	4	NXC06M or NXC06	NXR-12 or NXR-25	1.6-2.5
1.1 1.5	2.7 3.6	10	4	NXC06M or NXC06	NXR-12 or NXR-25	2.5-4
2.2	4.9	16	6	NXC09M or NXC06	NXR-12 or NXR-25	4-6
3	6.5	20	8	NXC12M or NXC09	NXR-12 or NXR-25	5.5-8
4	8.5	20	10	NXC09	NXR-25	7-10
5.5	11.5	25	16		NXR-25	9-13
7.5	15.5		16	NXC18	NXR-25	12-18
11	22	50	20	NXC25	NXR-25	17-25
15	29	63	32	NXC32	NXR-38	23-32
18.5	35	80	40	NXC40	NXR-100	30-40
22	41	100		NXC50	NXR-100	37-50
30	55	100	63	NXC65	NXR-100	48-65
37	66	100	80	NXC75	NXR-100	55-70
45	80	125	100	NXC85	NXR-100	63-80
55	97	160	125	NXC100	NXR-100	80-100
75	132	315	160	NXC160	NXR-200	80-160
90	160	315	200	NXC185	NXR-200	125-200
110	195	315	250	NXC225	NXR-200	125-200
132	230	400	315	NXC265	NXR-630	125-250
160 185	280 326	630	400	NXC330	NXR-630	200-400
220	387	800	500	NXC400	NXR-630	315-630
250	439	800	500	NXC500	NXR-630	315-630
315	540	950	630	NXC630	NXR-630	315-630

FUSE + Contactor + Thermal Relay

- DOL, 50KA at IEC60947-4-1 standard for IE1&IE2 motor
- Fuse+NC8+NR8
- Motor power 0.06 to 250KW at 380/400/415V 50/60Hz

Motor		Fuse		Contactor	Thermal overload relay	
kW	In(A)	gG (A)	aM(A)	Model	Model	In(A)
0.06	0.2	2	2	NXC06M or NXC06	NXR-12 or NXR-25	0.16-0.25
0.09	0.3	2	2	NC8-06M or NC8-09	NR8-11.5 or NB8-38	0.25-0.4
0.12	0.44	2	2	NC8-06M or NC8-09	NR8-11.5 or NB8-38	0.4-0.63
0.18	0.6				NR8-11.5 or NB8-38	0.4-0.63
0.25	0.85	4	2	NC8-06M or NC8-09	NR8-11.5 or NB8-38	0.63-1
0.37	1.1	4	2	NC8-06M or NC8-09	NR8-11.5 or NB8-38	1-1.6
0.55	1.5	6	2	NC8-06M or NC8-09	NR8-11.5 or NB8-38	1-1.6
0.75	1.9		4	NC8-06M or NC8-09	NR8-11.5 or NB8-38	1.6-2.5
1.1	2.7	10	4	NC8-06M or NC8-09	NR8-11.5 or NB8-38	2.5-4
1.5	3.6					
2.2	4.9	16	6	NC8-06M or NC8-09	NR8-11.5 or NB8-38	4-6
3	6.5	20	8	NC8-09M or NC8-09	NR8-11.5 or NB8-38	5.5-8
4	8.5		10	NC8-09M or NC8-09	NR8-11.5 or NB8-38	7-10
5.5	11.5	25	16	NC8-12M or NC8-12	NR8-11.5 or NB8-38	9-13
7.5	15.5	35	16	NC8-18	NR8-38	12-18
11	22	50	20	NC8-25	NR8-38	16-24
15	29	63	32	NC8-32	NR8-38	23-32
18.5	35	80	40	NC8-40	NR8-38	30-38
22	41	100	50	NC8-50	NR8-93	37-50
30	55	100	63	NC8-65	NR8-93	48-65
37	66	125	80	NC8-80	NR8-93	55-70
45	80	125	100	NC8-80	NR8-93	63-80
55	97	160	125	NC8-115	NR8-200	80-160
75	132	315	160	NC8-150	NR8-200	80-160
90	160	315	200	NC8-170	NR8-200	80-160
110	195	315	250		NR8-630	125-250
132	230	400	315	NC8-265	NR8-630	125-250
160	280	630	400	NC8-300	NR8-630	200-400
185	326	630	400	NC8-400	NR8-630	200-400
220	387	800	500	NC8-400	NR8-630	200-400
250	439	800	500	NC8-500	NR8-630	315-630

MCCB + Contactor + Thermal Relay

- DOL Starter, Iq= 50KA at IEC60947-4-1 standard for IE1&IE2 motor
- NXM+NXC+NXR
- Motor power 5.5 to 315KW at 380/400/415V 50/60Hz

0		Circuit breakder		Contactor	Thermal overload relay	
P(kW)	I(A)	Model	In(A)	Model	Model	In(A)
5.5	11.5	NXM-63H*32*2	16	NXC25	NXR-25	9-13
7.5	15.5	NXM-63H*32*2	20	NXC25	NXR-25	12-18
11	22	NXM-63H*32*2	25	NXC25	NXR-25	17-25
15	29	NXM-63H*32*2	32	NXC32	NXR-38	23-32
18.5	35	NXM-63H*32*2	40	NXC40	NXR-38	30-38
22	41	NXM-63H*32*2		NXC50	NXR-100	37-50
30	55	NXM-63H*32*2	63	NXC65	NXR-100	48-65
37	66	NXM-125H*32*2	80	NXC75	NXR-100	55-70
45	80	NXM-125H*32*2	100	NXC85	NXR-100	63-80
55	97	NXM-125H*32*2		NXC100	NXR-100	80-100
75	132	NXM-160H*32*2	160	NXC160	NXR-200	80-160
90	160	NXM-250H*32*2	180	NXC185	NXR-200	125-200
110	195	NXM-250H*32*2	225	NXC225		125-200
132	230	NXM-400H*32*2	280	NXC265	NXR-630	
160	280	NXM-400H*32*2	320	NXC330	NXR-630	200-400
185	326	NXM-400H*32*2	400	NXC330	NXR-630	200-400
220	387	NXM-630H*32*2	500	NXC400	NXR-630	315-630
250		NXM-630H*32*2	500	NXC500	NXR-630	315-630
315	540	NXM-630H*32*2	630	NXC630	NXR-630	315-630

MCCB + Contactor + Thermal Relay

- DOL Starter，Iq= 50KA at IEC60947-4-1 standard for IE1&IE2 motor
- NM8+NC8+NR8
- Motor power 1.5 to 250kw at 380/400/415V 50/60Hz

Motor		Circuit breakder		Contactor	Thermal overload relay	
P(kW)	I(A)	Model	In(A)	Model	Model	In(A)
1.5	3.6	NM8N-125SM	16	NC8-09	NR8-38	2.5-4
2.2	4.9		16	NC8-09	NR8-38	4-6
3	6.5	NM8N-125SM	16	NC8-09	NR8-38	5.5-8
4	8.5	NM8N-125SM	16	NC8-09	NR8-38	7-10
5.5	11.5	NM8N-125SM	16	NC8-25	NR8-38	9-13
7.5	15.5	NM8N-125SM	20	NC8-25	NR8-38	12-18
11	22	NM8N-125SM		NC8-25	NR8-38	16-24
15	29	NM8N-125SM	32	NC8-32	NR8-38	23-32
18.5	35	NM8N-125SM	40		NR8-100	30-40
22	41	NM8N-125SM	50	NC8-50	NR8-100	37-50
30	55	NM8N-125SM	63	NC8-65	NR8-100	48-65
37	66	NM8N-125SM	80	NC8-80	NR8-100	55-70
45	80	NM8N-125SM	80	NC8-80	NR8-100	63-80
55	97	NM8N-125SM	100		NR8-100	80-100
75	132	NM8N-250SM	160	NC8-150	NR8-200	80-160
90	160	NM8N-250SM	180	NC8-170	NR8-200	80-160
110	195	NM8N-250SM	225	NC8-205	NR8-630	125-250
132	230	NM8N-250SM	250	NC8-265	NR8-630	125-250
160	280	NM8N-400SM	315	NC8-300	NR8-630	200-400
185	326	NM8N-400SM	350	NC8-400	NR8-630	200-400
220	387	NM8N-630SM	400	NC8-400	NR8-630	200-400
250	439	NM8N-630SM	500	NC8-500	NR8-630	315-630

MCCB + Contactor + Thermal Relay

- DOL Starter，Iq= 70KA at IEC60947-4-1 standard for IE1&IE2 motor
- NM8N+NC8+NR8
- Motor power at 380/400/415V 50/60Hz AC-3

Motor		Circuit breakder		Contactor	Thermal overload relay	
P(kW)	I(A)	Model	In(A)	Model	Model	In(A)
1.5	3.6	NM8N-125QM	16	NC8-09	NR8-38	2.5-4
2.2	4.9	NM8N-125QM	16	NC8-09	NR8-38	4-6
3	6.5	NM8N-125QM	16	NC8-09	NR8-38	5.5-8
4	8.5	NM8N-125QM	16	NC8-09	NR8-38	7-10
5.5	11.5	NM8N-125QM	16	NC8-25	NR8-38	9-13
7.5	15.5	NM8N-125QM	20	NC8-25	NR8-38	12-18
	22	NM8N-125QM	25	NC8-25	NR8-38	16-24
15	29	NM8N-125QM	32	NC8-32	NR8-38	23-32
18.5	35	NM8N-125QM	40	NC8-40	NR8-100	30-40
22	41	NM8N-125QM	50	NC8-50	NR8-100	37-50
30	55	NM8N-125QM	63	NC8-65	NR8-100	48-65
37	66	NM8N-125QM	80	NC8-80	NR8-100	55-70
45	80	NM8N-125QM	80	NC8-80	NR8-100	63-80
55	97	NM8N-125QM	100	NC8-100	NR8-100	80-100
75	132	NM8N-250QM	160	NC8-150	NR8-200	80-160
90	160		180	NC8-170	NR8-200	80-160
110	195	NM8N-250QM	225	NC8-205	NR8-630	125-250
132	230	NM8N-250QM	250	NC8-265	NR8-630	125-250
160	280	NM8N-400QM	315	NC8-300	NR8-630	200-400
185	326	NM8N-400QM	350	NC8-400	NR8-630	200-400
220	387	NM8N-630QM	400	NC8-400	NR8-630	200-400
250	439	NM8N-630QM	500	NC8-500	NR8-630	315-630

MPCB/MCCB + Contactor

- DOL Starter，Iq= 50KA at IEC60947-4-1 standard for IE1&IE2 motor
- Circuit breaker+Contactor
- Motor power 0.06 to 250KW at 380/415V

Motor		Circuit breaker			Contactor
P(kW)	I(A)	Model	I(A)	Irm(A)	Model
0.06		NS2-25(X)/0.25	0.16-0.25	2.4	NXC06
0.09	0.3	NS2-25(X)/0.4	0.25-0.4	5	NXC06
0.12		NS2-25(X)/0.63	0.4-0.63	8	NXC06
0.18	0.6	NS2-25(X)/0.63	0.4-0.63	8	NXC06
0.25	0.85	NS2-25(X)/1	0.63-1	13	NXC06
0.37	1.1	NS2-25(X)/1.6	1-1.6	22.5	NXC06
0.55	1.5	NS2-25(X)/1.6	1-1.6	22.5	NXC06
0.75	1.9	NS2-25(X)/2.5	1.6-2.5	33.5	NXC06
1.1	2.7	NS2-25(X)/4	2.5-4	51	NXC12
1.5	3.6	NS2-25(X)/4	2.5-4	51	NXC12
2.2	4.9	NS2-25(X)/6.3	4-6.3	78	NXC12
3	6.5	NS2-25(X)/10	6-10		NXC12
4	8.5	NS2-25(X)/10	6-10	138	NXC12
5.5	11.5	NS2-32H/14	9-14	170	NC8-25
7.5	15.5	NS2-32H/18	13-18	223	NC8-25
11	22	NS2-32H/23	17-23	327	NC8-32
15	29	NS2-32H/32	24-32	416	NC8-40
18.5	35	NS2-80/40	30-40	560	NC8-80
22	41	NS2-80/50		700	NC8-80
30	55	NS2-80/65	48-65	910	NC8-80
37	66	NS2-80/80	63-80	1120	NC8-80
45	80	NS2-80/80	63-80	1120	NC8-80
55	97	NM8N-250SENM/EMM	100		NC8-100
75	132	NM8N-250SENM/EMM	160		NC8-150
90	160	NM8N-250SENM/EMM			NC8-170
110	195	NM8N-250SENM/EMM	250		NC8-205
132	230	NM8N-250SENM/EMM	250		NC8-265
160	280	NM8N-400SENM/EMM	400		NC8-300
185	326	NM8N-400SENM/EMM	400		NC8-400
220	387	NM8N-630SENM/EMM	500		NC8-400
250	439	NM8N-630SENM/EMM	500		NC8-500

MCCB + Contactor

- DOL Starter，Iq= 70KA at IEC60947-4-1 standard for IE1&IE2 motor
- Circuit breaker+Contactor
- Motor power 5.5 to 250kW at 380/400/415V 50/60Hz

Motor		Circuit breaker			Contactor
P(kW)	I(A)	Model	I(A)	Irm(A)	Model
5.5	11.5	NM8N-250QENM/EMM	32		NC8-12M/12
7.5	15.5	NM8N-250QENM/EMM	32		NC8-25
11		NM8N-250QENM/EMM	32		NC8-25
15	29	NM8N-250QENM/EMM	40		NC8-32
18.5	35	NM8N-250QENM/EMM	63		NC8-40
22	41	NM8N-250QENM/EMM	63		NC8-50
30	55	NM8N-250QENM/EMM	63		NC8-65
37	66	NM8N-250QENM/EMM	100		NC8-80
45	80	NM8N-250QENM/EMM	100		NC8-80
55	97	NM8N-250QENM/EMM	100		NC8-100
75	132	NM8N-250QENM/EMM	160		NC8-150
90	160	NM8N-250QENM/EMM	250		NC8-170
110	195	NM8N-250QENM/EMM	250		NC8-205
132	230	NM8N-250QENM/EMM	250		NC8-265
160	280	NM8N-400QENM/EMM	400		NC8-300
185	326	NM8N-400QENM/EMM	400		NC8-400
220	387	NM8N-630QENM/EMM	500		NC8-400
250	439	NM8N-630QENM/EMM	500		NC8-500

MPCB/MCCB + Contactor

- DOL Starter, Iq= 100KA at IEC60947-4-1 standard for IE1&IE2 motor
- Circuit breaker+Contactor
- Motor power 0.06 to 250kW at 380/400/415V 50/60Hz

Motor		Circuit breaker			Contactor
P(kW)	I(A)	Model	I(A)	Irm(A)	Model
0.06	0.2	NS2-32H/0.25	0.16-0.25	2.4	NXC06
0.09	0.3	NS2-32H/0.4	0.25-0.4	5	NXC06
0.12	0.44	NS2-32H/0.63	0.4-0.63	8	NXC06
0.18	0.6	NS2-32H/0.63	0.4-0.63	8	
0.25	0.85	NS2-32H/1	0.63-1	13	NXC06
0.37	1.1	NS2-32H/1.6	1-1.6	22.5	NXC06
0.55	1.5	NS2-32H/1.6	1-1.6	22.5	NXC06
0.75		NS2-32H/2.5	1.6-2.5	33.5	NXC06
1.1	2.7	NS2-32H/4	2.5-4	51	NXC12
1.5	3.6	NS2-32H/4	2.5-4	51	NXC12
2.2	4.9	NS2-32H/6.3	4-6.3	78	NXC12
3	6.5	NS2-32H/10	6-10		NXC12
4		NS2-32H/10	6-10		NXC12
5.5	11.5	NM8N-250HENM/EMM	32		NC8-25
7.5	15.5	NM8N-250HENM/EMM	32		NC8-25
11	22	NM8N-250HENM/EMM	32		NC8-32
15	29	NM8N-250HENM/EMM	40		NC8-40
18.5	35	NM8N-250HENM/EMM	63		NC8-80
22	41	NM8N-250HENM/EMM	63		NC8-80
30	55	NM8N-250HENM/EMM	63		NC8-80
37	66	NM8N-250HENM/EMM	100		NC8-80
45	80	NM8N-250HENM/EMM	100		NC8-80
55	97		100		NC8-100
75	132	NM8N-250HENM/EMM	160		NC8-150
90	160	NM8N-250HENM/EMM	250		NC8-170
110	195	NM8N-250HENM/EMM	250		NC8-205
132	230	NM8N-250HENM/EMM	250		NC8-265
160	280	NM8N-400HENM/EMM	400		NC8-300
185	326	NM8N-400HENM/EMM	400		NC8-400
220	387	NM8N-630HENM/EMM	500		NC8-400
250	439	NM8N-630HENM/EMM	500		NC8-500

NKB1	-	45	C	/	M	25	/	06	M	F	G
Product Series		Frame Size	Breaking Capacity		Load Type	Rated Current		Auxiliary Contact	Control Voltage	Additional Function	Isolation
		45 125	C: 15kA Y: 35kA		M: motor protection L: power distribution protection	1: 1A 3: 3A 6: 6A 12: 12A 16: 16A 25: 25A 32: 32A 45: 45A 63: 63A 80: 80A 100: 100A 125: 125A		06: 3NO+2NC+1 fault trip+1 fault alarm	M: 230V Q: 400V	Blank: basic type F: fire protection type L: current leakage protection type T: communication type FL: fire and current leakage protection type	G: isolation

NKB1 Control and Protective Switching Devices 45~125A

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	15kA	Power distribution	1A	230V	Basic Type	NKB1-45 C/L1/06MG	173516
45A	15kA	Power distribution	1A	230V	Firefighting type	NKB1-45 C/L1/06MFG	173517
45A	15kA	Power distribution	1A	230V	Leakage type	NKB1-45 C/L1/06MLG	173518
45A	15kA	Power distribution	1A	230V	Communication Type	NKB1-45 C/L1/06MTG	173519
45A	15kA	Power distribution	1A	230V	Firefighting type & Communication Type	NKB1-45 C/L1/06MFTG	173520
45A	15kA	Power distribution	1A	230V	Leakage type & Communication Type	NKB1-45 C/L1/06MLTG	173521
45A	15kA	Power distribution	1A	400V	Basic Type	NKB1-45 C/L1/06QG	173510
45A	15kA	Power distribution	1A	400V	Firefighting type	NKB1-45 C/L1/06QFG	173511
45A	15kA	Power distribution	1A	400V	Leakage type	NKB1-45 C/L1/06QLG	173512
45A	15kA	Power distribution	1A	400V	Communication Type	NKB1-45 C/L1/06QTG	173513
45A	15kA	Power distribution	1A	400V	Firefighting type & Communication Type	NKB1-45 C/L1/06QFTG	173514
45A	15kA	Power distribution	1A	400V	Leakage type & Communication Type	NKB1-45 C/L1/06QLTG	173515
45A	15kA	Power distribution	3A	230V	Basic Type	NKB1-45 C/L3/06MG	173528
45A	15kA	Power distribution	3A	230V	Firefighting type	NKB1-45 C/L3/06MFG	173529
45A	15kA	Power distribution	3A	230V	Leakage type	NKB1-45 C/L3/06MLG	173530
45A	15kA	Power distribution	3A	230V	Communication Type	NKB1-45 C/L3/06MTG	173531
45A	15kA	Power distribution	3A	230V	Firefighting type & Communication Type	NKB1-45 C/L3/06MFTG	173532
45A	15kA	Power distribution	3A	230V	Leakage type & Communication Type	NKB1-45 C/L3/06MLTG	173533
45A	15kA	Power distribution	3A	400V	Basic Type	NKB1-45 C/L3/06QG	173522
45A	15kA	Power distribution	3A	400V	Firefighting type	NKB1-45 C/L3/06QFG	173523
45A	15kA	Power distribution	3A	400V	Leakage type	NKB1-45 C/L3/06QLG	173524
45A	15kA	Power distribution	3A	400V	Communication Type	NKB1-45 C/L3/06QTG	173525
45A	15kA	Power distribution	3A	400V	Firefighting type & Communication Type	NKB1-45 C/L3/06QFTG	173526
45A	15kA	Power distribution	3A	400V	Leakage type & Communication Type	NKB1-45 C/L3/06QLTG	173527
45A	15kA	Power distribution	6A	230V	Basic Type	NKB1-45 C/L6/06MG	173540
45A	15kA	Power distribution	6A	230V	Firefighting type	NKB1-45 C/L6/06MFG	173541
45A	15kA	Power distribution	6A	230V	Leakage type	NKB1-45 C/L6/06MLG	173542
45A	15kA	Power distribution	6A	230V	Communication Type	NKB1-45 C/L6/06MTG	173543
45A	15kA	Power distribution	6A	230V	Leakage type & Communication Type	NKB1-45 C/L6/06MFTG	173544
45A	15kA	Power distribution	6A	230V	Firefighting type & Communication Type	NKB1-45 C/L6/06MLTG	173545
45A	15kA	Power distribution	6A	400V	Basic Type	NKB1-45 C/L6/06QG	173534
45A	15kA	Power distribution	6A	400V	Firefighting type	NKB1-45 C/L6/06QFG	173535
45A	15kA	Power distribution	6A	400V	Leakage type	NKB1-45 C/L6/06QLG	173536
45A	15kA	Power distribution	6A	400V	Communication Type	NKB1-45 C/L6/06Q TG	173537

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	15kA	Power distribution	6A	400V	Firefighting type & Communication Type	NKB1-45 C/L6/06QFTG	173538
45A	15kA	Power distribution	6A	400V	Leakage type & Communication Type	NKB1-45 C/L6/06QLTG	173539
45A	15kA	Power distribution	12A	230V	Basic Type	NKB1-45 C/L12/06MG	173552
45A	15kA	Power distribution	12A	230V	Firefighting type	NKB1-45 C/L12/06MFG	173553
45A	15kA	Power distribution	12A	230V	Leakage type	NKB1-45 C/L12/06MLG	173554
45A	15kA	Power distribution	12A	230V	Communication Type	NKB1-45 C/L12/06MTG	173555
45A	15kA	Power distribution	12A	230V	Firefighting type & Communication Type	NKB1-45 C/L12/06MFTG	173556
45A	15kA	Power distribution	12A	230V	Leakage type & Communication Type	NKB1-45 C/L12/06MLTG	173557
45A	15kA	Power distribution	12A	400V	Basic Type	NKB1-45 C/L12/06QG	173546
45A	15kA	Power distribution	12A	400V	Firefighting type	NKB1-45 C/L12/06QFG	173547
45A	15kA	Power distribution	12A	400V	Leakage type	NKB1-45 C/L12/06QLG	173548
45A	15kA	Power distribution	12A	400V	Communication Type	NKB1-45 C/L12/06QTG	173549
45A	15kA	Power distribution	12A	400V	Firefighting type & Communication Type	NKB1-45 C/L12/06QFTG	173550
45A	15kA	Power distribution	12A	400V	Leakage type & Communication Type	NKB1-45 C/L12/06QLTG	173551
45A	15kA	Power distribution	16A	230V	Basic Type	NKB1-45 C/L16/06MG	173564
45A	15kA	Power distribution	16A	230V	Firefighting type	NKB1-45 C/L16/06MFG	173565
45A	15kA	Power distribution	16A	230V	Leakage type	NKB1-45 C/L16/06MLG	173566
45A	15kA	Power distribution	16A	230V	Communication Type	NKB1-45 C/L16/06MTG	173567
45A	15kA	Power distribution	16A	230V	Firefighting type & Communication Type	NKB1-45 C/L16/06MFTG	173568
45A	15kA	Power distribution	16A	230V	Leakage type & Communication Type	NKB1-45 C/L16/06MLTG	173569
45A	15kA	Power distribution	16A	400V	Basic Type	NKB1-45 C/L16/06QG	173558
45A	15kA	Power distribution	16A	400V	Firefighting type	NKB1-45 C/L16/06QFG	173559
45A	15kA	Power distribution	16A	400V	Leakage type	NKB1-45 C/L16/06QLG	173560
45A	15kA	Power distribution	16A	400V	Communication Type	NKB1-45 C/L16/06QTG	173561
45A	15kA	Power distribution	16A	400V	Firefighting type & Communication Type	NKB1-45 C/L16/06QFTG	173562
45A	15kA	Power distribution	16A	400V	Leakage type & Communication Type	NKB1-45 C/L16/06QLTG	173563
45A	15kA	Power distribution	25A	230V	Basic Type	NKB1-45 C/L25/06MG	173576
45A	15kA	Power distribution	25A	230V	Firefighting type	NKB1-45 C/L25/06MFG	173577
45A	15kA	Power distribution	25A	230V	Leakage type	NKB1-45 C/L25/06MLG	173578
45A	15kA	Power distribution	25A	230V	Communication Type	NKB1-45 C/L25/06MTG	173579
45A	15kA	Power distribution	25A	230V	Firefighting type & Communication Type	NKB1-45 C/L25/06MFTG	173580
45A	15kA	Power distribution	25A	230V	Leakage type & Communication Type	NKB1-45 C/L25/06MLTG	173581
45A	15kA	Power distribution	25A	400V	Basic Type	NKB1-45 C/L25/06QG	173570
45A	15kA	Power distribution	25A	400V	Firefighting type	NKB1-45 C/L25/06QFG	173571

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	15kA	Power distribution	25A	400V	Leakage type	NKB1-45 C/L25/06QLG	173572
45A	15kA	Power distribution	25A	400V	Communication Type	NKB1-45 C/L25/06QTG	173573
45A	15kA	Power distribution	25A	400V	Firefighting type & Communication Type	NKB1-45 C/L25/06QFTG	173574
45A	15kA	Power distribution	25A	400V	Leakage type & Communication Type	NKB1-45 C/L25/06QLTG	173575
45A	15kA	Power distribution	32A	230V	Basic Type	NKB1-45 C/L32/06MG	173588
45A	15kA	Power distribution	32A	230V	Firefighting type	NKB1-45 C/L32/06MFG	173589
45A	15kA	Power distribution	32A	230V	Leakage type	NKB1-45 C/L32/06MLG	173590
45A	15kA	Power distribution	32A	230V	Communication Type	NKB1-45 C/L32/06MTG	173591
45A	15kA	Power distribution	32A	230V	Firefighting type & Communication Type	NKB1-45 C/L32/06MFTG	173592
45A	15kA	Power distribution	32A	230V	Leakage type & Communication Type	NKB1-45 C/L32/06MLTG	173593
45A	15kA	Power distribution	32A	400V	Basic Type	NKB1-45 C/L32/06QG	173582
45A	15kA	Power distribution	32A	400V	Firefighting type	NKB1-45 C/L32/06QFG	173583
45A	15kA	Power distribution	32A	400V	Leakage type	NKB1-45 C/L32/06QLG	173584
45A	15kA	Power distribution	32A	400V	Communication Type	NKB1-45 C/L32/06QTG	173585
45A	15kA	Power distribution	32A	400V	Firefighting type & Communication Type	NKB1-45 C/L32/06QFTG	173586
45A	15kA	Power distribution	32A	400V	Leakage type & Communication Type	NKB1-45 C/L32/06QLTG	173587
45A	15kA	Power distribution	45A	230V	Basic Type	NKB1-45 C/L45/06MG	173600
45A	15kA	Power distribution	45A	230V	Firefighting type	NKB1-45 C/L45/06MFG	173601
45A	15kA	Power distribution	45A	230V	Leakage type	NKB1-45 C/L45/06MLG	173602
45A	15kA	Power distribution	45A	230V	Communication Type	NKB1-45 C/L45/06MTG	173603
45A	15kA	Power distribution	45A	230V	Firefighting type & Communication Type	NKB1-45 C/L45/06MFTG	173604
45A	15kA	Power distribution	45A	230V	Leakage type & Communication Type	NKB1-45 C/L45/06MLTG	173605
45A	15kA	Power distribution	45A	400V	Basic Type	NKB1-45 C/L45/06QG	173594
45A	15kA	Power distribution	45A	400V	Firefighting type	NKB1-45 C/L45/06QFG	173595
45A	15kA	Power distribution	45A	400V	Leakage type	NKB1-45 C/L45/06QLG	173596
45A	15kA	Power distribution	45A	400V	Communication Type	NKB1-45 C/L45/06QTG	173597
45A	15kA	Power distribution	45A	400V	Firefighting type & Communication Type	NKB1-45 C/L45/06QFTG	173598
45A	15kA	Power distribution	45A	400V	Leakage type & Communication Type	NKB1-45 C/L45/06QLTG	173599
45A	15kA	Motor protection	1A	230V	Basic Type	NKB1-45 C/M1/06MG	173420
45A	15kA	Motor protection	1A	230V	Firefighting type	NKB1-45 C/M1/06MFG	173421
45A	15kA	Motor protection	1A	230V	Leakage type	NKB1-45 C/M1/06MLG	173422
45A	15kA	Motor protection	1A	230V	Communication Type	NKB1-45 C/M1/06MTG	173423
45A	15kA	Motor protection	1A	230V	Firefighting type & Communication Type	NKB1-45 C/M1/06MFTG	173424
45A	15kA	Motor protection	1A	230V	Leakage type & Communication Type	NKB1-45 C/M1/06MLTG	173425

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	15kA	Motor protection	1A	400V	Basic Type	NKB1-45 C/M1/06QG	173414
45A	15kA	Motor protection	1A	400V	Firefighting type	NKB1-45 C/M1/06QFG	173415
45A	15kA	Motor protection	1A	400V	Leakage type	NKB1-45 C/M1/06QLG	173416
45A	15kA	Motor protection	1A	400V	Communication Type	NKB1-45 C/M1/06QTG	173417
45A	15kA	Motor protection	1A	400V	Firefighting type & Communication Type	NKB1-45 C/M1/06QFTG	173418
45A	15kA	Motor protection	1A	400V	Leakage type & Communication Type	NKB1-45 C/M1/06QLTG	173419
45A	15kA	Motor protection	3A	230V	Basic Type	NKB1-45 C/M3/06MG	173432
45A	15kA	Motor protection	3A	230V	Firefighting type	NKB1-45 C/M3/06MFG	173433
45A	15kA	Motor protection	3A	230V	Leakage type	NKB1-45 C/M3/06MLG	173434
45A	15kA	Motor protection	3A	230V	Communication Type	NKB1-45 C/M3/06MTG	173435
45A	15kA	Motor protection	3A	230V	Firefighting type & Communication Type	NKB1-45 C/M3/06MFTG	173436
45A	15kA	Motor protection	3A	230V	Leakage type & Communication Type	NKB1-45 C/M3/06MLTG	173437
45A	15kA	Motor protection	3A	400V	Basic Type	NKB1-45 C/M3/06QG	173426
45A	15kA	Motor protection	3A	400V	Firefighting type	NKB1-45 C/M3/06QFG	173427
45A	15kA	Motor protection	3A	400V	Leakage type	NKB1-45 C/M3/06QLG	173428
45A	15kA	Motor protection	3A	400V	Communication Type	NKB1-45 C/M3/06QTG	173429
45A	15kA	Motor protection	3A	400V	Firefighting type & Communication Type	NKB1-45 C/M3/06QFTG	173430
45A	15kA	Motor protection	3A	400V	Leakage type & Communication Type	NKB1-45 C/M3/06QLTG	173431
45A	15kA	Motor protection	6A	230V	Basic Type	NKB1-45 C/M6/06MG	173444
45A	15kA	Motor protection	6A	230V	Firefighting type	NKB1-45 C/M6/06MFG	173445
45A	15kA	Motor protection	6A	230V	Leakage type	NKB1-45 C/M6/06MLG	173446
45A	15kA	Motor protection	6A	230V	Communication Type	NKB1-45 C/M6/06MTG	173447
45A	15kA	Motor protection	6A	230V	Firefighting type & Communication Type	NKB1-45 C/M6/06MFTG	173448
45A	15kA	Motor protection	6A	230V	Leakage type & Communication Type	NKB1-45 C/M6/06MLTG	173449
45A	15kA	Motor protection	6A	400V	Basic Type	NKB1-45 C/M6/06QG	173438
45A	15kA	Motor protection	6A	400V	Firefighting type	NKB1-45 C/M6/06QFG	173439
45A	15kA	Motor protection	6A	400V	Leakage type	NKB1-45 C/M6/06QLG	173440
45A	15kA	Motor protection	6A	400V	Communication Type	NKB1-45 C/M6/06QTG	173441
45A	15kA	Motor protection	6A	400V	Firefighting type & Communication Type	NKB1-45 C/M6/06QFTG	173442
45A	15kA	Motor protection	6A	400V	Leakage type & Communication Type	NKB1-45 C/M6/06QLTG	173443
45A	15kA	Motor protection	12A	230V	Basic Type	NKB1-45 C/M12/06MG	173456
45A	15kA	Motor protection	12A	230V	Firefighting type	NKB1-45 C/M12/06MFG	173457
45A	15kA	Motor protection	12A	230V	Leakage type	NKB1-45 C/M12/06MLG	173458
45A	15kA	Motor protection	12A	230V	Communication Type	NKB1-45 C/M12/06MTG	173459

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	15kA	Motor protection	12A	230V	Firefighting type & Communication Type	NKB1-45 C/M12/06MFTG	173460
45A	15kA	Motor protection	12A	230V	Leakage type & Communication Type	NKB1-45 C/M12/06MLTG	173461
45A	15kA	Motor protection	12A	400V	Basic Type	NKB1-45 C/M12/06QG	173450
45A	15kA	Motor protection	12A	400V	Firefighting type	NKB1-45 C/M12/06QFG	173451
45A	15kA	Motor protection	12A	400V	Leakage type	NKB1-45 C/M12/06QLG	173452
45A	15kA	Motor protection	12A	400V	Communication Type	NKB1-45 C/M12/06QTG	173453
45A	15kA	Motor protection	12A	400V	Firefighting type & Communication Type	NKB1-45 C/M12/06QFTG	173454
45A	15kA	Motor protection	12A	400V	Leakage type & Communication Type	NKB1-45 C/M12/06QLTG	173455
45A	15kA	Motor protection	16A	230V	Basic Type	NKB1-45 C/M16/06MG	173468
45A	15kA	Motor protection	16A	230V	Firefighting type	NKB1-45 C/M16/06MFG	173469
45A	15kA	Motor protection	16A	230V	Leakage type	NKB1-45 C/M16/06MLG	173470
45A	15kA	Motor protection	16A	230V	Communication Type	NKB1-45 C/M16/06MTG	173471
45A	15kA	Motor protection	16A	230V	Firefighting type & Communication Type	NKB1-45 C/M16/06MFTG	173472
45A	15kA	Motor protection	16A	230V	Leakage type & Communication Type	NKB1-45 C/M16/06MLTG	173473
45A	15kA	Motor protection	16A	400V	Basic Type	NKB1-45 C/M16/06QG	173462
45A	15kA	Motor protection	16A	400V	Firefighting type	NKB1-45 C/M16/06QFG	173463
45A	15kA	Motor protection	16A	400V	Leakage type	NKB1-45 C/M16/06QLG	173464
45A	15kA	Motor protection	16A	400V	Communication Type	NKB1-45 C/M16/06QTG	173465
45A	15kA	Motor protection	16A	400V	Firefighting type & Communication Type	NKB1-45 C/M16/06QFTG	173466
45A	15kA	Motor protection	16A	400V	Leakage type & Communication Type	NKB1-45 C/M16/06QLTG	173467
45A	15kA	Motor protection	25A	230V	Basic Type	NKB1-45 C/M25/06MG	173480
45A	15kA	Motor protection	25A	230V	Firefighting type	NKB1-45 C/M25/06MFG	173481
45A	15kA	Motor protection	25A	230V	Leakage type	NKB1-45 C/M25/06MLG	173482
45A	15kA	Motor protection	25A	230V	Communication Type	NKB1-45 C/M25/06MTG	173483
45A	15kA	Motor protection	25A	230V	Firefighting type & Communication Type	NKB1-45 C/M25/06MFTG	173484
45A	15kA	Motor protection	25A	230V	Leakage type & Communication Type	NKB1-45 C/M25/06MLTG	173485
45A	15kA	Motor protection	25A	400V	Basic Type	NKB1-45 C/M25/06QG	173474
45A	15kA	Motor protection	25A	400V	Firefighting type	NKB1-45 C/M25/06QFG	173475
45A	15kA	Motor protection	25A	400V	Leakage type	NKB1-45 C/M25/06QLG	173476
45A	15kA	Motor protection	25A	400V	Communication Type	NKB1-45 C/M25/06QTG	173477
45A	15kA	Motor protection	25A	400V	Firefighting type & Communication Type	NKB1-45 C/M25/06QFTG	173478
45A	15kA	Motor protection	25A	400V	Leakage type & Communication Type	NKB1-45 C/M25/06QLTG	173479
45A	15kA	Motor protection	32A	230V	Basic Type	NKB1-45 C/M32/06MG	173492
45A	15kA	Motor protection	32A	230V	Firefighting type	NKB1-45 C/M32/06MFG	173493

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	15kA	Motor protection	32A	230V	Leakage type	NKB1-45 C/M32/06MLG	173494
45A	15kA	Motor protection	32A	230V	Communication Type	NKB1-45 C/M32/06MTG	173495
45A	15kA	Motor protection	32A	230V	Firefighting type & Communication Type	NKB1-45 C/M32/06MFTG	173496
45A	15kA	Motor protection	32A	230V	Leakage type & Communication Type	NKB1-45 C/M32/06MLTG	173497
45A	15kA	Motor protection	32A	400V	Basic Type	NKB1-45 C/M32/06QG	173486
45A	15kA	Motor protection	32A	400V	Firefighting type	NKB1-45 C/M32/06QFG	173487
45A	15kA	Motor protection	32A	400V	Leakage type	NKB1-45 C/M32/06QLG	173488
45A	15kA	Motor protection	32A	400V	Communication Type	NKB1-45 C/M32/06QTG	173489
45A	15kA	Motor protection	32A	400V	Firefighting type & Communication Type	NKB1-45 C/M32/06QFTG	173490
45A	15kA	Motor protection	32A	400V	Leakage type & Communication Type	NKB1-45 C/M32/06QLTG	173491
45A	15kA	Motor protection	45A	230V	Basic Type	NKB1-45 C/M45/06MG	173504
45A	15kA	Motor protection	45A	230V	Firefighting type	NKB1-45 C/M45/06MFG	173505
45A	15kA	Motor protection	45A	230V	Leakage type	NKB1-45 C/M45/06MLG	173506
45A	15kA	Motor protection	45A	230V	Communication Type	NKB1-45 C/M45/06MTG	173507
45A	15kA	Motor protection	45A	230V	Firefighting type & Communication Type	NKB1-45 C/M45/06MFTG	173508
45A	15kA	Motor protection	45A	230V	Leakage type & Communication Type	NKB1-45 C/M45/06MLTG	173509
45A	15kA	Motor protection	45A	400V	Basic Type	NKB1-45 C/M45/06QG	173498
45A	15kA	Motor protection	45A	400V	Firefighting type	NKB1-45 C/M45/06QFG	173499
45A	15kA	Motor protection	45A	400V	Leakage type	NKB1-45 C/M45/06QLG	173500
45A	15kA	Motor protection	45A	400V	Communication Type	NKB1-45 C/M45/06QTG	173501
45A	15kA	Motor protection	45A	400V	Firefighting type & Communication Type	NKB1-45 C/M45/06QFTG	173502
45A	15kA	Motor protection	45A	400V	Leakage type & Communication Type	NKB1-45 C/M45/06QLTG	173503
45A	35kA	Power distribution	1A	230V	Basic Type	NKB1-45 Y/L1/06MG	173708
45A	35kA	Power distribution	1A	230V	Firefighting type	NKB1-45 Y/L1/06MFG	173709
45A	35kA	Power distribution	1A	230V	Leakage type	NKB1-45 Y/L1/06MLG	173710
45A	35kA	Power distribution	1A	230V	Communication Type	NKB1-45 Y/L1/06MTG	173711
45A	35kA	Power distribution	1A	230V	Firefighting type & Communication Type	NKB1-45 Y/L1/06MFTG	173712
45A	35kA	Power distribution	1A	230V	Leakage type & Communication Type	NKB1-45 Y/L1/06MLTG	173713
45A	35kA	Power distribution	1A	400V	Basic Type	NKB1-45 Y/L1/06QG	173702
45A	35kA	Power distribution	1A	400V	Firefighting type	NKB1-45 Y/L1/06QFG	173703
45A	35kA	Power distribution	1A	400V	Leakage type	NKB1-45 Y/L1/06QLG	173704
45A	35kA	Power distribution	1A	400V	Communication Type	NKB1-45 Y/L1/06QTG	173705
45A	35kA	Power distribution	1A	400V	Leakage type & Communication Type	NKB1-45 Y/L1/06QFTG	173706
45A	35kA	Power distribution	1A	400V	Firefighting type & Communication Type	NKB1-45 Y/L1/06QLTG	173707

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	35kA	Power distribution	3A	230V	Basic Type	NKB1-45 Y/L3/06MG	173720
45A	35kA	Power distribution	3A	230V	Firefighting type	NKB1-45 Y/L3/06MFG	173721
45A	35kA	Power distribution	3A	230V	Leakage type	NKB1-45 Y/L3/06MLG	173722
45A	35kA	Power distribution	3A	230V	Communication Type	NKB1-45 Y/L3/06MTG	173723
45A	35kA	Power distribution	3A	230V	Firefighting type & Communication Type	NKB1-45 Y/L3/06MFTG	173724
45A	35kA	Power distribution	3A	230V	Leakage type & Communication Type	NKB1-45 Y/L3/06MLTG	173725
45A	35kA	Power distribution	3A	400V	Basic Type	NKB1-45 Y/L3/06QG	173714
45A	35kA	Power distribution	3A	400V	Firefighting type	NKB1-45 Y/L3/06QFG	173715
45A	35kA	Power distribution	3A	400V	Leakage type	NKB1-45 Y/L3/06QLG	173716
45A	35kA	Power distribution	3A	400V	Communication Type	NKB1-45 Y/L3/06QTG	173717
45A	35kA	Power distribution	3A	400V	Firefighting type & Communication Type	NKB1-45 Y/L3/06QFTG	173718
45A	35kA	Power distribution	3A	400V	Leakage type & Communication Type	NKB1-45 Y/L3/06QLTG	173719
45A	35kA	Power distribution	6A	230V	Basic Type	NKB1-45 Y/L6/06MG	173732
45A	35kA	Power distribution	6A	230V	Firefighting type	NKB1-45 Y/L6/06MFG	173733
45A	35kA	Power distribution	6A	230V	Leakage type	NKB1-45 Y/L6/06MLG	173734
45A	35kA	Power distribution	6A	230V	Communication Type	NKB1-45 Y/L6/06MTG	173735
45A	35kA	Power distribution	6A	230V	Firefighting type & Communication Type	NKB1-45 Y/L6/06MFTG	173736
45A	35kA	Power distribution	6A	230V	Leakage type & Communication Type	NKB1-45 Y/L6/06MLTG	173737
45A	35kA	Power distribution	6A	400V	Basic Type	NKB1-45 Y/L6/06QG	173726
45A	35kA	Power distribution	6A	400V	Firefighting type	NKB1-45 Y/L6/06QFG	173727
45A	35kA	Power distribution	6A	400V	Leakage type	NKB1-45 Y/L6/06QLG	173728
45A	35kA	Power distribution	6A	400V	Communication Type	NKB1-45 Y/L6/06QTG	173729
45A	35kA	Power distribution	6A	400V	Firefighting type & Communication Type	NKB1-45 Y/L6/06QFTG	173730
45A	35kA	Power distribution	6A	400V	Leakage type & Communication Type	NKB1-45 Y/L6/06QLTG	173731
45A	35kA	Power distribution	12A	230V	Basic Type	NKB1-45 Y/L12/06MG	173744
45A	35kA	Power distribution	12A	230V	Firefighting type	NKB1-45 Y/L12/06MFG	173745
45A	35kA	Power distribution	12A	230V	Leakage type	NKB1-45 Y/L12/06MLG	173746
45A	35kA	Power distribution	12A	230V	Communication Type	NKB1-45 Y/L12/06MTG	173747
45A	35kA	Power distribution	12A	230V	Firefighting type & Communication Type	NKB1-45 Y/L12/06MFTG	173748
45A	35kA	Power distribution	12A	230V	Leakage type & Communication Type	NKB1-45 Y/L12/06MLTG	173749
45A	35kA	Power distribution	12A	400V	Basic Type	NKB1-45 Y/L12/06QG	173738
45A	35kA	Power distribution	12A	400V	Firefighting type	NKB1-45 Y/L12/06QFG	173739
45A	35kA	Power distribution	12A	400V	Leakage type	NKB1-45 Y/L12/06QLG	173740
45A	35kA	Power distribution	12A	400V	Communication Type	NKB1-45 Y/L12/06QTG	173741

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	35kA	Power distribution	12A	400V	Firefighting type & Communication Type	NKB1-45 Y/L12/06QFTG	173742
45A	35kA	Power distribution	12A	400V	Leakage type & Communication Type	NKB1-45 Y/L12/06QLTG	173743
45A	35kA	Power distribution	16A	230V	Basic Type	NKB1-45 Y/L16/06MG	173756
45A	35kA	Power distribution	16A	230V	Firefighting type	NKB1-45 Y/L16/06MFG	173757
45A	35kA	Power distribution	16A	230V	Leakage type	NKB1-45 Y/L16/06MLG	173758
45A	35kA	Power distribution	16A	230V	Communication Type	NKB1-45 Y/L16/06MTG	173759
45A	35kA	Power distribution	16A	230V	Firefighting type & Communication Type	NKB1-45 Y/L16/06MFTG	173760
45A	35kA	Power distribution	16A	230V	Leakage type & Communication Type	NKB1-45 Y/L16/06MLTG	173761
45A	35kA	Power distribution	16A	400V	Basic Type	NKB1-45 Y/L16/06QG	173750
45A	35kA	Power distribution	16A	400V	Firefighting type	NKB1-45 Y/L16/06QFG	173751
45A	35kA	Power distribution	16A	400V	Leakage type	NKB1-45 Y/L16/06QLG	173752
45A	35kA	Power distribution	16A	400V	Communication Type	NKB1-45 Y/L16/06QTG	173753
45A	35kA	Power distribution	16A	400V	Firefighting type & Communication Type	NKB1-45 Y/L16/06QFTG	173754
45A	35kA	Power distribution	16A	400V	Leakage type & Communication Type	NKB1-45 Y/L16/06QLTG	173755
45A	35kA	Power distribution	25A	230V	Basic Type	NKB1-45 Y/L25/06MG	173768
45A	35kA	Power distribution	25A	230V	Firefighting type	NKB1-45 Y/L25/06MFG	173769
45A	35kA	Power distribution	25A	230V	Leakage type	NKB1-45 Y/L25/06MLG	173770
45A	35kA	Power distribution	25A	230V	Communication Type	NKB1-45 Y/L25/06MTG	173771
45A	35kA	Power distribution	25A	230V	Firefighting type & Communication Type	NKB1-45 Y/L25/06MFTG	173772
45A	35kA	Power distribution	25A	230V	Leakage type & Communication Type	NKB1-45 Y/L25/06MLTG	173773
45A	35kA	Power distribution	25A	400V	Basic Type	NKB1-45 Y/L25/06QG	173762
45A	35kA	Power distribution	25A	400V	Firefighting type	NKB1-45 Y/L25/06QFG	173763
45A	35kA	Power distribution	25A	400V	Leakage type	NKB1-45 Y/L25/06QLG	173764
45A	35kA	Power distribution	25A	400V	Communication Type	NKB1-45 Y/L25/06QTG	173765
45A	35kA	Power distribution	25A	400V	Firefighting type & Communication Type	NKB1-45 Y/L25/06QFTG	173766
45A	35kA	Power distribution	25A	400V	Leakage type & Communication Type	NKB1-45 Y/L25/06QLTG	173767
45A	35kA	Power distribution	32A	230V	Basic Type	NKB1-45 Y/L32/06MG	173780
45A	35kA	Power distribution	32A	230V	Firefighting type	NKB1-45 Y/L32/06MFG	173781
45A	35kA	Power distribution	32A	230V	Leakage type	NKB1-45 Y/L32/06MLG	173782
45A	35kA	Power distribution	32A	230V	Communication Type	NKB1-45 Y/L32/06MTG	173783
45A	35kA	Power distribution	32A	230V	Firefighting type & Communication Type	NKB1-45 Y/L32/06MFTG	173784
45A	35kA	Power distribution	32A	230V	Leakage type & Communication Type	NKB1-45 Y/L32/06MLTG	173785
45A	35kA	Power distribution	32A	400V	Basic Type	NKB1-45 Y/L32/06QG	173774
45A	35kA	Power distribution	32A	400V	Firefighting type	NKB1-45 Y/L32/06QFG	173775

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	35kA	Power distribution	32A	400V	Leakage type	NKB1-45 Y/L32/06QLG	173776
45A	35kA	Power distribution	32A	400V	Communication Type	NKB1-45 Y/L32/06QTG	173777
45A	35kA	Power distribution	32A	400V	Firefighting type & Communication Type	NKB1-45 Y/L32/06QFTG	173778
45A	35kA	Power distribution	32A	400V	Leakage type & Communication Type	NKB1-45 Y/L32/06QLTG	173779
45A	35kA	Power distribution	45A	230V	Basic Type	NKB1-45 Y/L45/06MG	173792
45A	35kA	Power distribution	45A	230V	Firefighting type	NKB1-45 Y/L45/06MFG	173793
45A	35kA	Power distribution	45A	230V	Leakage type	NKB1-45 Y/L45/06MLG	173794
45A	35kA	Power distribution	45A	230V	Communication Type	NKB1-45 Y/L45/06MTG	173795
45A	35kA	Power distribution	45A	230V	Firefighting type & Communication Type	NKB1-45 Y/L45/06MFTG	173796
45A	35kA	Power distribution	45A	230V	Leakage type & Communication Type	NKB1-45 Y/L45/06MLTG	173797
45A	35kA	Power distribution	45A	400V	Basic Type	NKB1-45 Y/L45/06QG	173786
45A	35kA	Power distribution	45A	400V	Firefighting type	NKB1-45 Y/L45/06QFG	173787
45A	35kA	Power distribution	45A	400V	Leakage type	NKB1-45 Y/L45/06QLG	173788
45A	35kA	Power distribution	45A	400V	Communication Type	NKB1-45 Y/L45/06QTG	173789
45A	35kA	Power distribution	45A	400V	Firefighting type & Communication Type	NKB1-45 Y/L45/06QFTG	173790
45A	35kA	Power distribution	45A	400V	Leakage type & Communication Type	NKB1-45 Y/L45/06QLTG	173791
45A	35kA	Motor protection	1A	230V	Basic Type	NKB1-45 Y/M1/06MG	173612
45A	35kA	Motor protection	1A	230V	Firefighting type	NKB1-45 Y/M1/06MFG	173613
45A	35kA	Motor protection	1A	230V	Leakage type	NKB1-45 Y/M1/06MLG	173614
45A	35kA	Motor protection	1A	230V	Communication Type	NKB1-45 Y/M1/06MTG	173615
45A	35kA	Motor protection	1A	230V	Firefighting type & Communication Type	NKB1-45 Y/M1/06MFTG	173616
45A	35kA	Motor protection	1A	230V	Leakage type & Communication Type	NKB1-45 Y/M1/06MLTG	173617
45A	35kA	Motor protection	1A	400V	Basic Type	NKB1-45 Y/M1/06QG	173606
45A	35kA	Motor protection	1A	400V	Firefighting type	NKB1-45 Y/M1/06QFG	173607
45A	35kA	Motor protection	1A	400V	Leakage type	NKB1-45 Y/M1/06QLG	173608
45A	35kA	Motor protection	1A	400V	Communication Type	NKB1-45 Y/M1/06QTG	173609
45A	35kA	Motor protection	1A	400V	Firefighting type & Communication Type	NKB1-45 Y/M1/06QFTG	173610
45A	35kA	Motor protection	1A	400V	Leakage type & Communication Type	NKB1-45 Y/M1/06QLTG	173611
45A	35kA	Motor protection	3A	230V	Basic Type	NKB1-45 Y/M3/06MG	173624
45A	35kA	Motor protection	3A	230V	Firefighting type	NKB1-45 Y/M3/06MFG	173625
45A	35kA	Motor protection	3A	230V	Leakage type	NKB1-45 Y/M3/06MLG	173626
45A	35kA	Motor protection	3A	230V	Communication Type	NKB1-45 Y/M3/06MTG	173627
45A	35kA	Motor protection	3A	230V	Firefighting type & Communication Type	NKB1-45 Y/M3/06MFTG	173628
45A	35kA	Motor protection	3A	230V	Leakage type & Communication Type	NKB1-45 Y/M3/06MLTG	173629

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	35kA	Motor protection	3A	400V	Basic Type	NKB1-45 Y/M3/06QG	173618
45A	35kA	Motor protection	3A	400V	Firefighting type	NKB1-45 Y/M3/06QFG	173619
45A	35kA	Motor protection	3A	400V	Leakage type	NKB1-45 Y/M3/06QLG	173620
45A	35kA	Motor protection	3A	400V	Communication Type	NKB1-45 Y/M3/06QTG	173621
45A	35kA	Motor protection	3A	400V	Firefighting type & Communication Type	NKB1-45 Y/M3/06QFTG	173622
45A	35kA	Motor protection	3A	400V	Leakage type & Communication Type	NKB1-45 Y/M3/06QLTG	173623
45A	35kA	Motor protection	6A	230V	Basic Type	NKB1-45 Y/M6/06MG	173636
45A	35kA	Motor protection	6A	230V	Firefighting type	NKB1-45 Y/M6/06MFG	173637
45A	35kA	Motor protection	6A	230V	Leakage type	NKB1-45 Y/M6/06MLG	173638
45A	35kA	Motor protection	6A	230V	Communication Type	NKB1-45 Y/M6/06MTG	173639
45A	35kA	Motor protection	6A	230V	Firefighting type & Communication Type	NKB1-45 Y/M6/06MFTG	173640
45A	35kA	Motor protection	6A	230V	Leakage type & Communication Type	NKB1-45 Y/M6/06MLTG	173641
45A	35kA	Motor protection	6A	400V	Basic Type	NKB1-45 Y/M6/06QG	173630
45A	35kA	Motor protection	6A	400V	Firefighting type	NKB1-45 Y/M6/06QFG	173631
45A	35kA	Motor protection	6A	400V	Leakage type	NKB1-45 Y/M6/06QLG	173632
45A	35kA	Motor protection	6A	400V	Communication Type	NKB1-45 Y/M6/06QTG	173633
45A	35kA	Motor protection	6A	400V	Firefighting type & Communication Type	NKB1-45 Y/M6/06QFTG	173634
45A	35kA	Motor protection	6A	400V	Leakage type & Communication Type	NKB1-45 Y/M6/06QLTG	173635
45A	35kA	Motor protection	12A	230V	Basic Type	NKB1-45 Y/M12/06MG	173648
45A	35kA	Motor protection	12A	230V	Firefighting type	NKB1-45 Y/M12/06MFG	173649
45A	35kA	Motor protection	12A	230V	Leakage type	NKB1-45 Y/M12/06MLG	173650
45A	35kA	Motor protection	12A	230V	Communication Type	NKB1-45 Y/M12/06MTG	173651
45A	35kA	Motor protection	12A	230V	Firefighting type & Communication Type	NKB1-45 Y/M12/06MFTG	173652
45A	35kA	Motor protection	12A	230V	Leakage type & Communication Type	NKB1-45 Y/M12/06MLTG	173653
45A	35kA	Motor protection	12A	400V	Basic Type	NKB1-45 Y/M12/06QG	173642
45A	35kA	Motor protection	12A	400V	Firefighting type	NKB1-45 Y/M12/06QFG	173643
45A	35kA	Motor protection	12A	400V	Leakage type	NKB1-45 Y/M12/06QLG	173644
45A	35kA	Motor protection	12A	400V	Communication Type	NKB1-45 Y/M12/06QTG	173645
45A	35kA	Motor protection	12A	400V	Firefighting type & Communication Type	NKB1-45 Y/M12/06QFTG	173646
45A	35kA	Motor protection	12A	400V	Leakage type & Communication Type	NKB1-45 Y/M12/06QLTG	173647
45A	35kA	Motor protection	16A	230V	Basic Type	NKB1-45 Y/M16/06MG	173660
45A	35kA	Motor protection	16A	230V	Firefighting type	NKB1-45 Y/M16/06MFG	173661
45A	35kA	Motor protection	16A	230V	Leakage type	NKB1-45 Y/M16/06MLG	173662
45A	35kA	Motor protection	16A	230V	Communication Type	NKB1-45 Y/M16/06MTG	173663

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	35kA	Motor protection	16A	230V	Leakage type & Communication Type	NKB1-45 Y/M16/06MFTG	173664
45A	35kA	Motor protection	16A	230V	Firefighting type & Communication Type	NKB1-45 Y/M16/06MLTG	173665
45A	35kA	Motor protection	16A	400V	Basic Type	NKB1-45 Y/M16/06QG	173654
45A	35kA	Motor protection	16A	400V	Firefighting type	NKB1-45 Y/M16/06QFG	173655
45A	35kA	Motor protection	16A	400V	Leakage type	NKB1-45 Y/M16/06QLG	173656
45A	35kA	Motor protection	16A	400V	Communication Type	NKB1-45 Y/M16/06QTG	173657
45A	35kA	Motor protection	16A	400V	Firefighting type & Communication Type	NKB1-45 Y/M16/06QFTG	173658
45A	35kA	Motor protection	16A	400V	Leakage type & Communication Type	NKB1-45 Y/M16/06QLTG	173659
45A	35kA	Motor protection	25A	230V	Basic Type	NKB1-45 Y/M25/06MG	173672
45A	35kA	Motor protection	25A	230V	Firefighting type	NKB1-45 Y/M25/06MFG	173673
45A	35kA	Motor protection	25A	230V	Leakage type	NKB1-45 Y/M25/06MLG	173674
45A	35kA	Motor protection	25A	230V	Communication Type	NKB1-45 Y/M25/06MTG	173675
45A	35kA	Motor protection	25A	230V	Firefighting type & Communication Type	NKB1-45 Y/M25/06MFTG	173676
45A	35kA	Motor protection	25A	230V	Leakage type & Communication Type	NKB1-45 Y/M25/06MLTG	173677
45A	35kA	Motor protection	25A	400V	Basic Type	NKB1-45 Y/M25/06QG	173666
45A	35kA	Motor protection	25A	400V	Firefighting type	NKB1-45 Y/M25/06QFG	173667
45A	35kA	Motor protection	25A	400V	Leakage type	NKB1-45 Y/M25/06QLG	173668
45A	35kA	Motor protection	25A	400V	Communication Type	NKB1-45 Y/M25/06QTG	173669
45A	35kA	Motor protection	25A	400V	Firefighting type & Communication Type	NKB1-45 Y/M25/06QFTG	173670
45A	35kA	Motor protection	25A	400V	Leakage type & Communication Type	NKB1-45 Y/M25/06QLTG	173671
45A	35kA	Motor protection	32A	230V	Basic Type	NKB1-45 Y/M32/06MG	173684
45A	35kA	Motor protection	32A	230V	Firefighting type	NKB1-45 Y/M32/06MFG	173685
45A	35kA	Motor protection	32A	230V	Leakage type	NKB1-45 Y/M32/06MLG	173686
45A	35kA	Motor protection	32A	230V	Communication Type	NKB1-45 Y/M32/06MTG	173687
45A	35kA	Motor protection	32A	230V	Firefighting type & Communication Type	NKB1-45 Y/M32/06MFTG	173688
45A	35kA	Motor protection	32A	230V	Leakage type & Communication Type	NKB1-45 Y/M32/06MLTG	173689
45A	35kA	Motor protection	32A	400V	Basic Type	NKB1-45 Y/M32/06QG	173678
45A	35kA	Motor protection	32A	400V	Firefighting type	NKB1-45 Y/M32/06QFG	173679
45A	35kA	Motor protection	32A	400V	Leakage type	NKB1-45 Y/M32/06QLG	173680
45A	35kA	Motor protection	32A	400V	Communication Type	NKB1-45 Y/M32/06QTG	173681
45A	35kA	Motor protection	32A	400V	Firefighting type & Communication Type	NKB1-45 Y/M32/06QFTG	173682
45A	35kA	Motor protection	32A	400V	Leakage type & Communication Type	NKB1-45 Y/M32/06QLTG	173683
45A	35kA	Motor protection	45A	230V	Basic Type	NKB1-45 Y/M45/06MG	173696
45A	35kA	Motor protection	45A	230V	Firefighting type	NKB1-45 Y/M45/06MFG	173697

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
45A	35kA	Motor protection	45A	230V	Leakage type	NKB1-45 Y/M45/06MLG	173698
45A	35kA	Motor protection	45A	230V	Communication Type	NKB1-45 Y/M45/06MTG	173699
45A	35kA	Motor protection	45A	230V	Firefighting type & Communication Type	NKB1-45 Y/M45/06MFTG	173700
45A	35kA	Motor protection	45A	230V	Leakage type & Communication Type	NKB1-45 Y/M45/06MLTG	173701
45A	35kA	Motor protection	45A	400V	Basic Type	NKB1-45 Y/M45/06QG	173690
45A	35kA	Motor protection	45A	400V	Firefighting type	NKB1-45 Y/M45/06QFG	173691
45A	35kA	Motor protection	45A	400V	Leakage type	NKB1-45 Y/M45/06QLG	173692
45A	35kA	Motor protection	45A	400V	Communication Type	NKB1-45 Y/M45/06QTG	173693
45A	35kA	Motor protection	45A	400V	Firefighting type & Communication Type	NKB1-45 Y/M45/06QFTG	173694
45A	35kA	Motor protection	45A	400V	Leakage type & Communication Type	NKB1-45 Y/M45/06QLTG	173695
125A	15kA	Power distribution	63A	230V	Basic Type	NKB1-125 C/L63/06MG	173852
125A	15kA	Power distribution	63A	230V	Firefighting type	NKB1-125 C/L63/06MFG	173853
125A	15kA	Power distribution	63A	230V	Leakage type	NKB1-125 C/L63/06MLG	173854
125A	15kA	Power distribution	63A	230V	Communication Type	NKB1-125 C/L63/06MTG	173855
125A	15kA	Power distribution	63A	230V	Firefighting type & Communication Type	NKB1-125 C/L63/06MFTG	173856
125A	15kA	Power distribution	63A	230V	Leakage type & Communication Type	NKB1-125 C/L63/06MLTG	173857
125A	15kA	Power distribution	63A	400V	Basic Type	NKB1-125 C/L63/06QG	173846
125A	15kA	Power distribution	63A	400V	Firefighting type	NKB1-125 C/L63/06QFG	173847
125A	15kA	Power distribution	63A	400V	Leakage type	NKB1-125 C/L63/06QLG	173848
125A	15kA	Power distribution	63A	400V	Communication Type	NKB1-125 C/L63/06QTG	173849
125A	15kA	Power distribution	63A	400V	Firefighting type & Communication Type	NKB1-125 C/L63/06QFTG	173850
125A	15kA	Power distribution	63A	400V	Leakage type & Communication Type	NKB1-125 C/L63/06QLTG	173851
125A	15kA	Power distribution	80A	230V	Basic Type	NKB1-125 C/L80/06MG	173864
125A	15kA	Power distribution	80A	230V	Firefighting type	NKB1-125 C/L80/06MFG	173865
125A	15kA	Power distribution	80A	230V	Leakage type	NKB1-125 C/L80/06MLG	173866
125A	15kA	Power distribution	80A	230V	Communication Type	NKB1-125 C/L80/06MTG	173867
125A	15kA	Power distribution	80A	230V	Firefighting type & Communication Type	NKB1-125 C/L80/06MFTG	173868
125A	15kA	Power distribution	80A	230V	Leakage type & Communication Type	NKB1-125 C/L80/06MLTG	173869
125A	15kA	Power distribution	80A	400V	Basic Type	NKB1-125 C/L80/06QG	173858
125A	15kA	Power distribution	80A	400V	Firefighting type	NKB1-125 C/L80/06QFG	173859
125A	15kA	Power distribution	80A	400V	Leakage type	NKB1-125 C/L80/06QLG	173860
125A	15kA	Power distribution	80A	400V	Communication Type	NKB1-125 C/L80/06QTG	173861
125A	15kA	Power distribution	80A	400V	Firefighting type & Communication Type	NKB1-125 C/L80/06QFTG	173862
125A	15kA	Power distribution	80A	400V	Leakage type & Communication Type	NKB1-125 C/L80/06QLTG	173863

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
125A	15kA	Power distribution	100A	230V	Basic Type	NKB1-125 C/L100/06MG	173876
125A	15kA	Power distribution	100A	230V	Firefighting type	NKB1-125 C/L100/06MFG	173877
125A	15kA	Power distribution	100A	230V	Leakage type	NKB1-125 C/L100/06MLG	173878
125A	15kA	Power distribution	100A	230V	Communication Type	NKB1-125 C/L100/06MTG	173879
125A	15kA	Power distribution	100A	230V	Firefighting type & Communication Type	NKB1-125 C/L100/06MFTG	173880
125A	15kA	Power distribution	100A	230V	Leakage type & Communication Type	NKB1-125 C/L100/06MLTG	173881
125A	15kA	Power distribution	100A	400V	Basic Type	NKB1-125 C/L100/06QG	173870
125A	15kA	Power distribution	100A	400V	Firefighting type	NKB1-125 C/L100/06QFG	173871
125A	15kA	Power distribution	100A	400V	Leakage type	NKB1-125 C/L100/06QLG	173872
125A	15kA	Power distribution	100A	400V	Communication Type	NKB1-125 C/L100/06QTG	173873
125A	15kA	Power distribution	100A	400V	Firefighting type & Communication Type	NKB1-125 C/L100/06QFTG	173874
125A	15kA	Power distribution	100A	400V	Leakage type & Communication Type	NKB1-125 C/L100/06QLTG	173875
125A	15kA	Power distribution	125A	230V	Basic Type	NKB1-125 C/L125/06MG	173888
125A	15kA	Power distribution	125A	230V	Firefighting type	NKB1-125 C/L125/06MFG	173889
125A	15kA	Power distribution	125A	230V	Leakage type	NKB1-125 C/L125/06MLG	173890
125A	15kA	Power distribution	125A	230V	Communication Type	NKB1-125 C/L125/06MTG	173891
125A	15kA	Power distribution	125A	230V	Firefighting type & Communication Type	NKB1-125 C/L125/06MFTG	173892
125A	15kA	Power distribution	125A	230V	Leakage type & Communication Type	NKB1-125 C/L125/06MLTG	173893
125A	15kA	Power distribution	125A	400V	Basic Type	NKB1-125 C/L125/06QG	173882
125A	15kA	Power distribution	125A	400V	Firefighting type	NKB1-125 C/L125/06QFG	173883
125A	15kA	Power distribution	125A	400V	Leakage type	NKB1-125 C/L125/06QLG	173884
125A	15kA	Power distribution	125A	400V	Communication Type	NKB1-125 C/L125/06QTG	173885
125A	15kA	Power distribution	125A	400V	Firefighting type & Communication Type	NKB1-125 C/L125/06QFTG	173886
125A	15kA	Power distribution	125A	400V	Leakage type & Communication Type	NKB1-125 C/L125/06QLTG	173887
125A	15kA	Motor protection	63A	230V	Basic Type	NKB1-125 C/M63/06MG	173804
125A	15kA	Motor protection	63A	230V	Firefighting type	NKB1-125 C/M63/06MFG	173805
125A	15kA	Motor protection	63A	230V	Leakage type	NKB1-125 C/M63/06MLG	173806
125A	15kA	Motor protection	63A	230V	Communication Type	NKB1-125 C/M63/06MTG	173807
125A	15kA	Motor protection	63A	230V	Firefighting type & Communication Type	NKB1-125 C/M63/06MFTG	173808
125A	15kA	Motor protection	63A	230V	Leakage type & Communication Type	NKB1-125 C/M63/06MLTG	173809
125A	15kA	Motor protection	63A	400V	Basic Type	NKB1-125 C/M63/06QG	173798
125A	15kA	Motor protection	63A	400V	Firefighting type	NKB1-125 C/M63/06QFG	173799
125A	15kA	Motor protection	63A	400V	Leakage type	NKB1-125 C/M63/06QLG	173800
125A	15kA	Motor protection	63A	400V	Communication Type	NKB1-125 C/M63/06QTG	173801

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
125A	15kA	Motor protection	63A	400V	Firefighting type & Communication Type	NKB1-125 C/M63/06QFTG	173802
125A	15kA	Motor protection	63A	400V	Leakage type & Communication Type	NKB1-125 C/M63/06QLTG	173803
125A	15kA	Motor protection	80A	230V	Basic Type	NKB1-125 C/M80/06MG	173816
125A	15kA	Motor protection	80A	230V	Firefighting type	NKB1-125 C/M80/06MFG	173817
125A	15kA	Motor protection	80A	230V	Leakage type	NKB1-125 C/M80/06MLG	173818
125A	15kA	Motor protection	80A	230V	Communication Type	NKB1-125 C/M80/06MTG	173819
125A	15kA	Motor protection	80A	230V	Firefighting type & Communication Type	NKB1-125 C/M80/06MFTG	173820
125A	15kA	Motor protection	80A	230V	Leakage type & Communication Type	NKB1-125 C/M80/06MLTG	173821
125A	15kA	Motor protection	80A	400V	Basic Type	NKB1-125 C/M80/06QG	173810
125A	15kA	Motor protection	80A	400V	Firefighting type	NKB1-125 C/M80/06QFG	173811
125A	15kA	Motor protection	80A	400V	Leakage type	NKB1-125 C/M80/06QLG	173812
125A	15kA	Motor protection	80A	400V	Communication Type	NKB1-125 C/M80/06QTG	173813
125A	15kA	Motor protection	80A	400V	Firefighting type & Communication Type	NKB1-125 C/M80/06QFTG	173814
125A	15kA	Motor protection	80A	400V	Leakage type & Communication Type	NKB1-125 C/M80/06QLTG	173815
125A	15kA	Motor protection	100A	230V	Basic Type	NKB1-125 C/M100/06MG	173828
125A	15kA	Motor protection	100A	230V	Firefighting type	NKB1-125 C/M100/06MFG	173829
125A	15kA	Motor protection	100A	230V	Leakage type	NKB1-125 C/M100/06MLG	173830
125A	15kA	Motor protection	100A	230V	Communication Type	NKB1-125 C/M100/06MTG	173831
125A	15kA	Motor protection	100A	230V	Firefighting type & Communication Type	NKB1-125 C/M100/06MFTG	173832
125A	15kA	Motor protection	100A	230V	Leakage type & Communication Type	NKB1-125 C/M100/06MLTG	173833
125A	15kA	Motor protection	100A	400V	Basic Type	NKB1-125 C/M100/06QG	173822
125A	15kA	Motor protection	100A	400V	Firefighting type	NKB1-125 C/M100/06QFG	173823
125A	15kA	Motor protection	100A	400V	Leakage type	NKB1-125 C/M100/06QLG	173824
125A	15kA	Motor protection	100A	400V	Communication Type	NKB1-125 C/M100/06QTG	173825
125A	15kA	Motor protection	100A	400V	Firefighting type & Communication Type	NKB1-125 C/M100/06QFTG	173826
125A	15kA	Motor protection	100A	400V	Leakage type & Communication Type	NKB1-125 C/M100/06QLTG	173827
125A	15kA	Motor protection	125A	230V	Basic Type	NKB1-125 C/M125/06MG	173840
125A	15kA	Motor protection	125A	230V	Firefighting type	NKB1-125 C/M125/06MFG	173841
125A	15kA	Motor protection	125A	230V	Leakage type	NKB1-125 C/M125/06MLG	173842
125A	15kA	Motor protection	125A	230V	Communication Type	NKB1-125 C/M125/06MTG	173843
125A	15kA	Motor protection	125A	230V	Firefighting type & Communication Type	NKB1-125 C/M125/06MFTG	173844
125A	15kA	Motor protection	125A	230V	Leakage type & Communication Type	NKB1-125 C/M125/06MLTG	173845
125A	15kA	Motor protection	125A	400V	Basic Type	NKB1-125 C/M125/06QG	173834
125A	15kA	Motor protection	125A	400V	Firefighting type	NKB1-125 C/M125/06QFG	173835

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
125A	15kA	Motor protection	125A	400V	Leakage type	NKB1-125 C/M125/06QLG	173836
125A	15kA	Motor protection	125A	400V	Communication Type	NKB1-125 C/M125/06QTG	173837
125A	15kA	Motor protection	125A	400V	Firefighting type & Communication Type	NKB1-125 C/M125/06QFTG	173838
125A	15kA	Motor protection	125A	400V	Leakage type & Communication Type	NKB1-125 C/M125/06QLTG	173839
125A	35kA	Power distribution	63A	230V	Basic Type	NKB1-125 Y/L63/06MG	173948
125A	35kA	Power distribution	63A	230V	Firefighting type	NKB1-125 Y/L63/06MFG	173949
125A	35kA	Power distribution	63A	230V	Leakage type	NKB1-125 Y/L63/06MLG	173950
125A	35kA	Power distribution	63A	230V	Communication Type	NKB1-125 Y/L63/06MTG	173951
125A	35kA	Power distribution	63A	230V	Firefighting type & Communication Type	NKB1-125 Y/L63/06MFTG	173952
125A	35kA	Power distribution	63A	230V	Leakage type & Communication Type	NKB1-125 Y/L63/06MLTG	173953
125A	35kA	Power distribution	63A	400V	Basic Type	NKB1-125 Y/L63/06QG	173942
125A	35kA	Power distribution	63A	400V	Firefighting type	NKB1-125 Y/L63/06QFG	173943
125A	35kA	Power distribution	63A	400V	Leakage type	NKB1-125 Y/L63/06QLG	173944
125A	35kA	Power distribution	63A	400V	Communication Type	NKB1-125 Y/L63/06QTG	173945
125A	35kA	Power distribution	63A	400V	Firefighting type & Communication Type	NKB1-125 Y/L63/06QFTG	173946
125A	35kA	Power distribution	63A	400V	Leakage type & Communication Type	NKB1-125 Y/L63/06QLTG	173947
125A	35kA	Power distribution	80A	230V	Basic Type	NKB1-125 Y/L80/06MG	173960
125A	35kA	Power distribution	80A	230V	Firefighting type	NKB1-125 Y/L80/06MFG	173961
125A	35kA	Power distribution	80A	230V	Leakage type	NKB1-125 Y/L80/06MLG	173962
125A	35kA	Power distribution	80A	230V	Communication Type	NKB1-125 Y/L80/06MTG	173963
125A	35kA	Power distribution	80A	230V	Firefighting type & Communication Type	NKB1-125 Y/L80/06MFTG	173964
125A	35kA	Power distribution	80A	230V	Leakage type & Communication Type	NKB1-125 Y/L80/06MLTG	173965
125A	35kA	Power distribution	80A	400V	Basic Type	NKB1-125 Y/L80/06QG	173954
125A	35kA	Power distribution	80A	400V	Firefighting type	NKB1-125 Y/L80/06QFG	173955
125A	35kA	Power distribution	80A	400V	Leakage type	NKB1-125 Y/L80/06QLG	173956
125A	35kA	Power distribution	80A	400V	Communication Type	NKB1-125 Y/L80/06QTG	173957
125A	35kA	Power distribution	80A	400V	Firefighting type & Communication Type	NKB1-125 Y/L80/06QFTG	173958
125A	35kA	Power distribution	80A	400V	Leakage type & Communication Type	NKB1-125 Y/L80/06QLTG	173959
125A	35kA	Power distribution	100A	230V	Basic Type	NKB1-125 Y/L100/06MG	173972
125A	35kA	Power distribution	100A	230V	Firefighting type	NKB1-125 Y/L100/06MFG	173973
125A	35kA	Power distribution	100A	230V	Leakage type	NKB1-125 Y/L100/06MLG	173974
125A	35kA	Power distribution	100A	230V	Communication Type	NKB1-125 Y/L100/06MTG	173975
125A	35kA	Power distribution	100A	230V	Firefighting type & Communication Type	NKB1-125 Y/L100/06MFTG	173976
125A	35kA	Power distribution	100A	230V	Leakage type & Communication Type	NKB1-125 Y/L100/06MLTG	173977

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
125A	35kA	Power distribution	100A	400V	Basic Type	NKB1-125 Y/L100/06QG	173966
125A	35kA	Power distribution	100A	400V	Firefighting type	NKB1-125 Y/L100/06QFG	173967
125A	35kA	Power distribution	100A	400V	Leakage type	NKB1-125 Y/L100/06QLG	173968
125A	35kA	Power distribution	100A	400V	Communication Type	NKB1-125 Y/L100/06QTG	173969
125A	35kA	Power distribution	100A	400V	Firefighting type & Communication Type	NKB1-125 Y/L100/06QFTG	173970
125A	35kA	Power distribution	100A	400V	Leakage type & Communication Type	NKB1-125 Y/L100/06QLTG	173971
125A	35kA	Power distribution	125A	230V	Basic Type	NKB1-125 Y/L125/06MG	173984
125A	35kA	Power distribution	125A	230V	Firefighting type	NKB1-125 Y/L125/06MFG	173985
125A	35kA	Power distribution	125A	230V	Leakage type	NKB1-125 Y/L125/06MLG	173986
125A	35kA	Power distribution	125A	230V	Communication Type	NKB1-125 Y/L125/06MTG	173987
125A	35kA	Power distribution	125A	230V	Firefighting type & Communication Type	NKB1-125 Y/L125/06MFTG	173988
125A	35kA	Power distribution	125A	230V	Leakage type & Communication Type	NKB1-125 Y/L125/06MLTG	173989
125A	35kA	Power distribution	125A	400V	Basic Type	NKB1-125 Y/L125/06QG	173978
125A	35kA	Power distribution	125A	400V	Firefighting type	NKB1-125 Y/L125/06QFG	173979
125A	35kA	Power distribution	125A	400V	Leakage type	NKB1-125 Y/L125/06QLG	173980
125A	35kA	Power distribution	125A	400V	Communication Type	NKB1-125 Y/L125/06QTG	173981
125A	35kA	Power distribution	125A	400V	Firefighting type & Communication Type	NKB1-125 Y/L125/06QFTG	173982
125A	35kA	Power distribution	125A	400V	Leakage type & Communication Type	NKB1-125 Y/L125/06QLTG	173983
125A	35kA	Motor protection	63A	230V	Basic Type	NKB1-125 Y/M63/06MG	173900
125A	35kA	Motor protection	63A	230V	Firefighting type	NKB1-125 Y/M63/06MFG	173901
125A	35kA	Motor protection	63A	230V	Leakage type	NKB1-125 Y/M63/06MLG	173902
125A	35kA	Motor protection	63A	230V	Communication Type	NKB1-125 Y/M63/06MTG	173903
125A	35kA	Motor protection	63A	230V	Firefighting type & Communication Type	NKB1-125 Y/M63/06MFTG	173904
125A	35kA	Motor protection	63A	230V	Leakage type & Communication Type	NKB1-125 Y/M63/06MLTG	173905
125A	35kA	Motor protection	63A	400V	Basic Type	NKB1-125 Y/M63/06QG	173894
125A	35kA	Motor protection	63A	400V	Firefighting type	NKB1-125 Y/M63/06QFG	173895
125A	35kA	Motor protection	63A	400V	Leakage type	NKB1-125 Y/M63/06QLG	173896
125A	35kA	Motor protection	63A	400V	Communication Type	NKB1-125 Y/M63/06QTG	173897
125A	35kA	Motor protection	63A	400V	Firefighting type & Communication Type	NKB1-125 Y/M63/06QFTG	173898
125A	35kA	Motor protection	63A	400V	Leakage type & Communication Type	NKB1-125 Y/M63/06QLTG	173899
125A	35kA	Motor protection	80A	230V	Basic Type	NKB1-125 Y/M80/06MG	173912
125A	35kA	Motor protection	80A	230V	Firefighting type	NKB1-125 Y/M80/06MFG	173913
125A	35kA	Motor protection	80A	230V	Leakage type	NKB1-125 Y/M80/06MLG	173914
125A	35kA	Motor protection	80A	230V	Communication Type	NKB1-125 Y/M80/06MTG	173915

Frame Size Inm	Breaking Capacity	Protection Type	Ie	Coil Voltage	Function	Model Description	Code
125A	35kA	Motor protection	80A	230V	Firefighting type & Communication Type	NKB1-125 Y/M80/06MFTG	173916
125A	35kA	Motor protection	80A	230V	Leakage type & Communication Type	NKB1-125 Y/M80/06MLTG	173917
125A	35kA	Motor protection	80A	400V	Basic Type	NKB1-125 Y/M80/06QG	173906
125A	35kA	Motor protection	80A	400V	Firefighting type	NKB1-125 Y/M80/06QFG	173907
125A	35kA	Motor protection	80A	400V	Leakage type	NKB1-125 Y/M80/06QLG	173908
125A	35kA	Motor protection	80A	400V	Communication Type	NKB1-125 Y/M80/06QTG	173909
125A	35kA	Motor protection	80A	400V	Firefighting type & Communication Type	NKB1-125 Y/M80/06QFTG	173910
125A	35kA	Motor protection	80A	400V	Leakage type & Communication Type	NKB1-125 Y/M80/06QLTG	173911
125A	35kA	Motor protection	100A	230V	Basic Type	NKB1-125 Y/M100/06MG	173924
125A	35kA	Motor protection	100A	230V	Firefighting type	NKB1-125 Y/M100/06MFG	173925
125A	35kA	Motor protection	100A	230V	Leakage type	NKB1-125 Y/M100/06MLG	173926
125A	35kA	Motor protection	100A	230V	Communication Type	NKB1-125 Y/M100/06MTG	173927
125A	35kA	Motor protection	100A	230V	Firefighting type & Communication Type	NKB1-125 Y/M100/06MFTG	173928
125A	35kA	Motor protection	100A	230V	Leakage type & Communication Type	NKB1-125 Y/M100/06MLTG	173929
125A	35kA	Motor protection	100A	400V	Basic Type	NKB1-125 Y/M100/06QG	173918
125A	35kA	Motor protection	100A	400V	Firefighting type	NKB1-125 Y/M100/06QFG	173919
125A	35kA	Motor protection	100A	400V	Leakage type	NKB1-125 Y/M100/06QLG	173920
125A	35kA	Motor protection	100A	400V	Communication Type	NKB1-125 Y/M100/06QTG	173921
125A	35kA	Motor protection	100A	400V	Firefighting type & Communication Type	NKB1-125 Y/M100/06QFTG	173922
125A	35kA	Motor protection	100A	400V	Leakage type & Communication Type	NKB1-125 Y/M100/06QLTG	173923
125A	35kA	Motor protection	125A	230V	Basic Type	NKB1-125 Y/M125/06MG	173936
125A	35kA	Motor protection	125A	230V	Firefighting type	NKB1-125 Y/M125/06MFG	173937
125A	35kA	Motor protection	125A	230V	Leakage type	NKB1-125 Y/M125/06MLG	173938
125A	35kA	Motor protection	125A	230V	Communication Type	NKB1-125 Y/M125/06MTG	173939
125A	35kA	Motor protection	125A	230V	Firefighting type & Communication Type	NKB1-125 Y/M125/06MFTG	173940
125A	35kA	Motor protection	125A	230V	Leakage type & Communication Type	NKB1-125 Y/M125/06MLTG	173941
125A	35kA	Motor protection	125A	400V	Basic Type	NKB1-125 Y/M125/06QG	173930
125A	35kA	Motor protection	125A	400V	Firefighting type	NKB1-125 Y/M125/06QFG	173931
125A	35kA	Motor protection	125A	400V	Leakage type	NKB1-125 Y/M125/06QLG	173932
125A	35kA	Motor protection	125A	400V	Communication Type	NKB1-125 Y/M125/06QTG	173933
125A	35kA	Motor protection	125A	400V	Leakage type & Communication Type	NKB1-125 Y/M125/06QFTG	173934
125A	35kA	Motor protection	125A	400V	Firefighting type & Communication Type	NKB1-125 Y/M125/06QLTG	173935

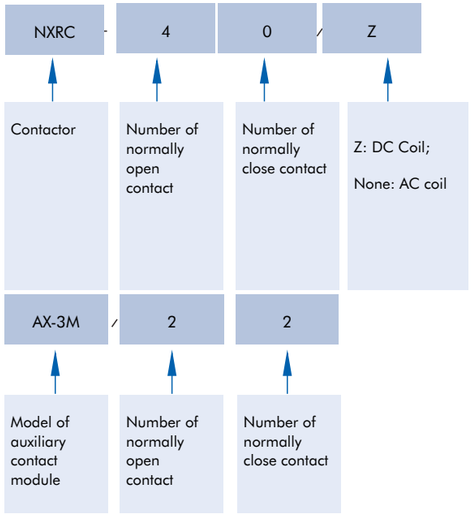


NXRC Series Contactor Relays

Applicable scope

- NXRC contactor relay is mainly used in AC 50Hz or 60Hz relay control circuit, signal transmission circuit and isolation amplifier circuit with a maximum rated operational voltage of 380V and a maximum DC rated voltage of 220V.
- Applicable standard: IEC/EN60947-5-1.

Type Designation



NXRC contact combination form

Model	Number of normally open contact	Number of normally closed contact
NXRC-04、NXRC-04/Z	0	4
NXRC-13、NXRC-13/Z	1	3
NXRC-22、NXRC-22/Z	2	2
NXRC-31、NXRC-31/Z	3	1
NXRC-40、NXRC-40/Z	4	0

Combination form of AX-3M auxiliary contact module

Model	Number of normally open contact	Number of normally closed contact
AX-3M/04	0	4
AX-3M/13	1	3
AX-3M/22	2	2
AX-3M/31	3	1
AX-3M/40	4	0
AX-3M/11	1	1
AX-3M/20	2	0
AX-3M/02	0	2

Model example:
NXRC-40 220V 50Hz means the contactor relay of which the contact combination form is quadrupole normally open, coil control voltage is AC 220V, and frequency is 50Hz.

Normal working conditions and installation conditions

- Surrounding ambient temperature: -5°C~+40°C; the mean value does not exceed +35°C within 24 hours.
- Sea level elevation: not exceed 2000m.
  Atmospheric conditions: The relative humidity shall not exceed 50% when the maximum temperature is +40°C; the relative humidity can be higher when the temperature is lower; for example, at 20°C, the relative humidity can be 90%. Special measures shall be taken if there is condensation caused accidently owing to temperature changes.
- Class of pollution: class 3.
- Installation category: category III.
- Installation condition: angle of slope between the mounting surface and vertical plane is not bigger than ±5°.
- Impact and vibration: The product shall be installed and used in the place without serious shaking, shock, and vibration.

Parameters

Main technical parameters

Rated insulation voltage (Ui)	Conventional free air thermal current (Ith)	Rated control capacity				Operating frequency (times/h)	Electrical endurance (10k times)	Mechanical endurance (10k times)
		Utilization category	Rated operational voltage	Rated operational current	Control capacity			
690V	10A	AC-15	380V	1.5A	570VA	1200	100	1000
		DC-13	220V	0.3A	66W			

Rated control power supply voltage of coil (Us)

- AC: 24V, 36V, 48V, 110V, 127V, 220V, 380V, 415V
- DC: 24V, 48V, 110V, 220V
- Actuation range: Pull-in voltage (85%~120%) Us, +40°C
  Release voltage is AC: (20%~75%) Us, DC: (10%~75%) Us (-5°C)

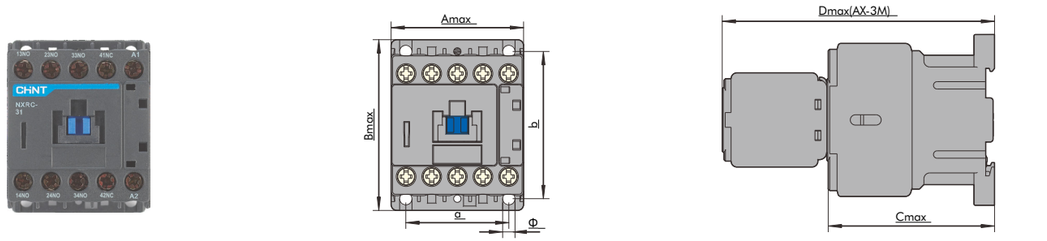
Structural feature

- Derived from NXC-06M series, the overall dimension and installation dimension are the same as NXC-06M; AX-3M auxiliary contact can be hung from it.
- The product has a small size, and has AC and DC operating coils.

Dimensions and installation

NXRC

Overall Dimension and Installation Dimension



Model	Amax	Bmax	Cmax	Dmax	a	b	Φ
NXRC-40、31、22、13、04	45.5	59	58	94	35±0.35	50±0.48	4.2
NXRC-40/Z、31/Z、22/Z、13/Z、04/Z	45.5	59	70	106	35±0.35	50±0.48	4.2

Ordering instructions

- When an order is placed, please indicate the product name and model, rated operational voltage and frequency of the coil, and amount of order.
- Example of order: NXRC-40/Z contactor relay; coil voltage: DC 24V 10 sets.

NXRC	-	40	/	Z	DC24V	50/60Hz
Product Series		Main Contact		Coil Type	Coil voltage	Frequency
		04: 4NC 13: 1NO+3NC 22: 2NO+2NC 31: 3NO+1NC 40: 4NO		Blank: AC coil Z: DC coil	24V: AC24V 110V: AC110V 220V: AC220V 380V: AC380V DC24V: DC24V DC48V: DC48V DC110V: DC110V DC220V: DC220V	50/60Hz

NXRC Relay

Main Contacts	Coil	Model Description	Code
4NC	AC 380V 50/60Hz	NXRC-04 380V 50/60Hz	930056
4NC	AC 220V 50/60Hz	NXRC-04 220V 50/60Hz	930057
4NC	AC 110V 50/60Hz	NXRC-04 110V 50/60Hz	930058
4NC	AC 24V 50/60Hz	NXRC-04 24V 50/60Hz	930059
4NC	DC220V	NXRC-04/Z DC220V	930076
4NC	DC110V	NXRC-04/Z DC110V	930077
4NC	DC48V	NXRC-04/Z DC48V	930078
4NC	DC24V	NXRC-04/Z DC24V	930079
1NO+3NC	AC 380V 50/60Hz	NXRC-13 380V 50/60Hz	930052
1NO+3NC	AC 220V 50/60Hz	NXRC-13 220V 50/60Hz	930053
1NO+3NC	AC 110V 50/60Hz	NXRC-13 110V 50/60Hz	930054
1NO+3NC	AC 24V 50/60Hz	NXRC-13 24V 50/60Hz	930055
1NO+3NC	DC220V	NXRC-13/Z DC220V	930072
1NO+3NC	DC110V	NXRC-13/Z DC110V	930073
1NO+3NC	DC48V	NXRC-13/Z DC48V	930074
1NO+3NC	DC24V	NXRC-13/Z DC24V	930075
2NO+2NC	AC 230V 50/60Hz	NXRC-22 230V 50/60Hz	269777
2NO+2NC	AC 48V 50/60Hz	NXRC-22 48V 50/60Hz	530269
2NO+2NC	AC 380V 50/60Hz	NXRC-22 380V 50/60Hz	930048
2NO+2NC	AC 220V 50/60Hz	NXRC-22 220V 50/60Hz	930049
2NO+2NC	AC 110V 50/60Hz	NXRC-22 110V 50/60Hz	930050
2NO+2NC	AC 24V 50/60Hz	NXRC-22 24V 50/60Hz	930051
2NO+2NC	DC220V	NXRC-22/Z DC220V	930068
2NO+2NC	DC110V	NXRC-22/Z DC110V	930069
2NO+2NC	DC48V	NXRC-22/Z DC48V	930070
2NO+2NC	DC24V	NXRC-22/Z DC24V	930071
3NO+1NC	AC 380V 50/60Hz	NXRC-31 380V 50/60Hz	930044
3NO+1NC	AC 220V 50/60Hz	NXRC-31 220V 50/60Hz	930045
3NO+1NC	AC 110V 50/60Hz	NXRC-31 110V 50/60Hz	930046
3NO+1NC	AC 24V 50/60Hz	NXRC-31 24V 50/60Hz	930047
3NO+1NC	DC220V	NXRC-31/Z DC220V	930064
3NO+1NC	DC110V	NXRC-31/Z DC110V	930065
3NO+1NC	DC48V	NXRC-31/Z DC48V	930066
3NO+1NC	DC24V	NXRC-31/Z DC24V	930067
4NO	AC 380V 50/60Hz	NXRC-40 380V 50/60Hz	930040
4NO	AC 220V 50/60Hz	NXRC-40 220V 50/60Hz	930041
4NO	AC 110V 50/60Hz	NXRC-40 110V 50/60Hz	930042
4NO	AC 24V 50/60Hz	NXRC-40 24V 50/60Hz	930043
4NO	DC220V	NXRC-40/Z DC220V	930060
4NO	DC110V	NXRC-40/Z DC110V	930061
4NO	DC48V	NXRC-40/Z DC48V	930062
4NO	DC24V	NXRC-40/Z DC24V	930063

B.2 Pushbuttons & Indicator Lights



NP8 Series Pushbuttons

1. General

Electric ratings: AC50/60Hz, AC415V/DC250V;
Degree of protection: IP65
Standard: IEC/EN60947-5-1

2. Operating conditions

2.1 Ambient temperature is -5℃ ~+40℃ , the average temperature during 24 hours couldn't exceed +35℃ .
2.2 Altitude: ≤2000m.
2.3 Atmosphere condition: Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is +40℃ ; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches +20℃ , the relatice humidity is up to 90%. As for dews, which contingently appear due to change of temperature, special steeps should be taken.
2.4 Pollution grade: 3
2.5 Installation category: II
2.6 Tightening torque is 0.8~1.2N·m for the cable terminals. Cross section of the cable connection is 0.5~2.5mm², and 8mm conductor length is needed.

3. Technical data

3.1 Refer to table below for rated values related to utilization category.

AC-15	Rated operational voltage,V	415	240	120
	Rated operational current,A	1.9	3	6
DC-13	Rated operational voltage,V	250	125	-
	Rated operational current,A	0.27	0.55	-

3.2 Refer to table 3 for basic parameters of illuminated pushbutton.

Basic parameters	LED lamp
Rated operational current	≤20mA
Rated operational voltage	AC/DC 6V,12V,24V,36V,AC110V~230V

3.3 Durability
Mechanical life:
Flush, mushroom-headed and illuminated version:
3×10^6 operation circles.
Rotary, double-headed, self-locking and keyed version:
1×10^5 operation circles.
Electric life:
Flush, mushroom-headed and illuminated version:
AC 1×10^6 / DC 2.5×10^5 operation circles.
Rotary, double-headed, self-locking and key type button:
1×10^5 operation circles.
3.4 Short-circuit protective device: gG16

4. Features

4.1 Operating mechanism features bright colors and streamline surface.
4.2 Modular design.
Operating system, adapter, contact system and illuminating system can be freely combined to realize different functions.
4.3 Convenient for mounting and dismounting thanks to snap-on structure.
4.4 Automatic locking function of the central adaptor makes it convenient and reliable for mounting and connection.
4.5 The terminal screw is available with anti-loosing mechanism to protect it against loosening from the body during transportation.
4.6 LED lamp with high brightness and long service life ensures reliable indication.

5. NP8 pushbutton

★ Momentary Flush Pushbutton-(Non illuminated)

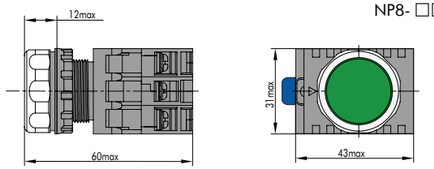
NP8- □□ BN/ □□	Model	Color	1	2
	NP8-10BN/1	○	1	-
	NP8-10BN/2	●	1	-
	NP8-10BN/3	●	1	-
	NP8-10BN/4	●	1	-
	NP8-10BN/5	●	1	-
	NP8-10BN/6	●	1	-
	NP8-01BN/1	○	-	1
	NP8-01BN/2	●	-	1
	NP8-01BN/3	●	-	1
	NP8-01BN/4	●	-	1
	NP8-01BN/5	●	-	1
	NP8-01BN/6	●	-	1
	NP8-20BN/1	○	2	-
	NP8-20BN/2	●	2	-
	NP8-20BN/3	●	2	-
	NP8-20BN/4	●	2	-
	NP8-20BN/5	●	2	-
	NP8-20BN/6	●	2	-
	NP8-02BN/1	○	-	2
	NP8-02BN/2	●	-	2
	NP8-02BN/3	●	-	2
	NP8-02BN/4	●	-	2
	NP8-02BN/5	●	-	2
	NP8-02BN/6	●	-	2
	NP8-11BN/1	○	1	1
	NP8-11BN/2	●	1	1
	NP8-11BN/3	●	1	1
	NP8-11BN/4	●	1	1
	NP8-11BN/5	●	1	1
	NP8-11BN/6	●	1	1

★ Momentary Flush Pushbutton-illuminated
AC/DC6V, 12V, 24V, 36V, AC110V~230V

NP8- □□ BND/ □□	Model	Color	1	2
	NP8-10BND/1	○	1	-
	NP8-10BND/3	●	1	-
	NP8-10BND/4	●	1	-
	NP8-10BND/5	●	1	-
	NP8-10BND/6	●	1	-
	NP8-01BND/1	○	-	1
	NP8-01BND/3	●	-	1
	NP8-01BND/4	●	-	1
	NP8-01BND/5	●	-	1
	NP8-01BND/6	●	-	1

Dimension(mm)

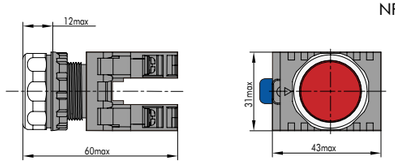
NP8- □□ BND/ □



NP8- □□ BN/ □□	Model	Color	1	2
	NP8-30BN/1	○	3	-
	NP8-30BN/2	●	3	-
	NP8-30BN/3	●	3	-
	NP8-30BN/4	●	3	-
	NP8-30BN/5	●	3	-
	NP8-30BN/6	●	3	-
	NP8-03BN/1	○	-	3
	NP8-03BN/2	●	-	3
	NP8-03BN/3	●	-	3
	NP8-03BN/4	●	-	3
	NP8-03BN/5	●	-	3
	NP8-03BN/6	●	-	3
	NP8-12BN/1	○	1	2
	NP8-12BN/2	●	1	2
	NP8-12BN/3	●	1	2
	NP8-12BN/4	●	1	2
	NP8-12BN/5	●	1	2
	NP8-12BN/6	●	1	2
	NP8-21BN/1	○	2	1
	NP8-21BN/2	●	2	1
	NP8-21BN/3	●	2	1
	NP8-21BN/4	●	2	1
	NP8-21BN/5	●	2	1
	NP8-21BN/6	●	2	1

Dimension(mm)

NP8- □□ BN/ □



NP8- □□ BND/ □□	Model	Color	1	2
	NP8-20BND/1	○	2	-
	NP8-20BND/3	●	2	-
	NP8-20BND/4	●	2	-
	NP8-20BND/5	●	2	-
	NP8-20BND/6	●	2	-
	NP8-02BND/1	○	-	2
	NP8-02BND/3	●	-	2
	NP8-02BND/4	●	-	2
	NP8-02BND/5	●	-	2
	NP8-02BND/6	●	-	2
	NP8-11BND/1	○	1	1
	NP8-11BND/3	●	1	1
	NP8-11BND/4	●	1	1
	NP8-11BND/5	●	1	1
	NP8-11BND/6	●	1	1

★ Momentary Projecting Pushbutton-(Non illuminated)

NP8- □□ GN/ □□	Model	Color	1	2
	NP8-10GN/1	○	1	-
	NP8-10GN/2	●	1	-
	NP8-10GN/3	●	1	-
	NP8-10GN/4	●	1	-
	NP8-10GN/5	●	1	-
	NP8-10GN/6	●	1	-
	NP8-01GN/1	○	-	1
	NP8-01GN/2	●	-	1
	NP8-01GN/3	●	-	1
	NP8-01GN/4	●	-	1
	NP8-01GN/5	●	-	1
	NP8-01GN/6	●	-	1
	NP8-20GN/1	○	2	-
	NP8-20GN/2	●	2	-
	NP8-20GN/3	●	2	-
	NP8-20GN/4	●	2	-
	NP8-20GN/5	●	2	-
	NP8-20GN/6	●	2	-
	NP8-02GN/1	○	-	2
	NP8-02GN/2	●	-	2
	NP8-02GN/3	●	-	2
	NP8-02GN/4	●	-	2
	NP8-02GN/5	●	-	2
	NP8-02GN/6	●	-	2
	NP8-11GN/1	○	1	1
	NP8-11GN/2	●	1	1
	NP8-11GN/3	●	1	1
	NP8-11GN/4	●	1	1
	NP8-11GN/5	●	1	1
	NP8-11GN/6	●	1	1

NP8- □□ GN/ □□	Model	Color	1	2
	NP8-30GN/1	○	3	-
	NP8-30GN/2	●	3	-
	NP8-30GN/3	●	3	-
	NP8-30GN/4	●	3	-
	NP8-30GN/5	●	3	-
	NP8-30GN/6	●	3	-
	NP8-03GN/1	○	-	3
	NP8-03GN/2	●	-	3
	NP8-03GN/3	●	-	3
	NP8-03GN/4	●	-	3
	NP8-03GN/5	●	-	3
	NP8-03GN/6	●	-	3
	NP8-12GN/1	○	1	2
	NP8-12GN/2	●	1	2
	NP8-12GN/3	●	1	2
	NP8-12GN/4	●	1	2
	NP8-12GN/5	●	1	2
	NP8-12GN/6	●	1	2
	NP8-21GN/1	○	2	1
	NP8-21GN/2	●	2	1
	NP8-21GN/3	●	2	1
	NP8-21GN/4	●	2	1
	NP8-21GN/5	●	2	1
	NP8-21GN/6	●	2	1

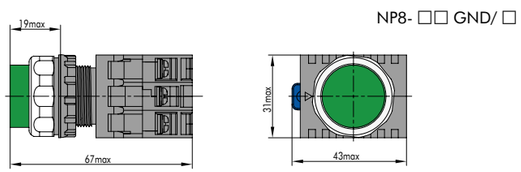
★ Momentary Projecting Pushbutton-illuminated AC/DC6V, 12V, 24V, 36V, AC110V~230V

NP8- □□ GND/ □□	Model	Color	1	2
	NP8-10GND/1	○	1	-
	NP8-10GND/3	●	1	-
	NP8-10GND/4	●	1	-
	NP8-10GND/5	●	1	-
	NP8-10GND/6	●	1	-
	NP8-01GND/1	○	-	1
	NP8-01GND/3	●	-	1
	NP8-01GND/4	●	-	1
	NP8-01GND/5	●	-	1
	NP8-01GND/6	●	-	1

NP8- □□ GND/ □□	Model	Color	1	2
	NP8-20GND/1	○	2	-
	NP8-20GND/3	●	2	-
	NP8-20GND/4	●	2	-
	NP8-20GND/5	●	2	-
	NP8-20GND/6	●	2	-
	NP8-02GND/1	○	-	2
	NP8-02GND/3	●	-	2
	NP8-02GND/4	●	-	2
	NP8-02GND/5	●	-	2
	NP8-02GND/6	●	-	2
	NP8-11GND/1	○	1	1
	NP8-11GND/3	●	1	1
	NP8-11GND/4	●	1	1
	NP8-11GND/5	●	1	1
	NP8-11GND/6	●	1	1

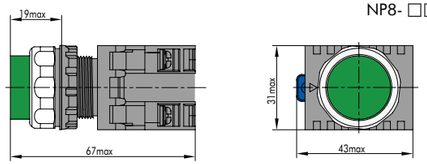
Dimension(mm)

NP8- □□ GND/ □



Dimension(mm)

NP8- □□ GN/ □



★ Φ40 Momentary Mushroom Pushbutton-(Non illuminated)

NP8- □□ M/ □□	Model	Color	1	2
	NP8-10M/11	○	1	1
	NP8-10M/12	●	1	—
	NP8-10M/13	●	1	—
	NP8-10M/14	●	1	—
	NP8-10M/15	●	1	—
	NP8-10M/16	●	1	—
	NP8-01M/11	○	—	—
	NP8-01M/12	●	—	1
	NP8-01M/13	●	—	1
	NP8-01M/14	●	—	1
	NP8-01M/15	●	—	1
	NP8-01M/16	●	—	1
	NP8-20M/11	○	2	—
	NP8-20M/12	●	2	—
	NP8-20M/13	●	2	—
	NP8-20M/14	●	2	—
	NP8-20M/15	●	2	—
	NP8-20M/16	●	2	—
	NP8-02M/11	○	—	2
	NP8-02M/12	●	—	2
	NP8-02M/13	●	—	2
	NP8-02M/14	●	—	2
	NP8-02M/15	●	—	2
	NP8-02M/16	●	—	2
	NP8-11M/11	○	1	1
	NP8-11M/12	●	1	1
	NP8-11M/13	●	1	1
	NP8-11M/14	●	1	1
	NP8-11M/15	●	1	1
	NP8-11M/16	●	1	1
	NP8-30M/11	○	3	—
	NP8-30M/12	●	3	—
	NP8-30M/13	●	3	—
	NP8-30M/14	●	3	—
	NP8-30M/15	●	3	—
	NP8-30M/16	●	3	—
	NP8-03M/11	○	—	3
	NP8-03M/12	●	—	3
	NP8-03M/13	●	—	3

NP8- □□ M/ □□	Model	Color	1	2
	NP8-03M/14	●	—	3
	NP8-03M/15	●	—	3
	NP8-03M/16	●	—	3
	NP8-12M/11	○	1	2
	NP8-12M/12	●	1	2
	NP8-12M/13	●	1	2
	NP8-12M/14	●	1	2
	NP8-12M/15	●	1	2
	NP8-12M/16	●	1	2
	NP8-21M/11	○	2	1
	NP8-21M/12	●	2	1
	NP8-21M/13	●	2	1
	NP8-21M/14	●	2	1
	NP8-21M/15	●	2	1
	NP8-21M/16	●	2	1

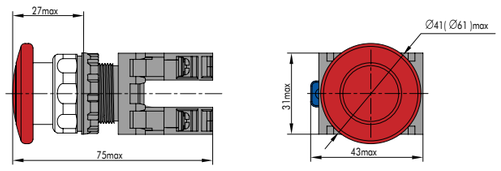
★ Φ60 Momentary Mushroom Pushbutton-(Non illuminated)

NP8- □□ M/ □□	Model	Color	1	2
	NP8-10M/21	○	1	1
	NP8-10M/22	●	1	—
	NP8-10M/23	●	1	—
	NP8-10M/24	●	1	—
	NP8-10M/25	●	1	—
	NP8-10M/26	●	1	—
	NP8-01M/21	○	—	—
	NP8-01M/22	●	—	1
	NP8-01M/23	●	—	1
	NP8-01M/24	●	—	1
	NP8-01M/25	●	—	1
	NP8-01M/26	●	—	
	NP8-20M/21	○	2	—
	NP8-20M/22	●	2	—
	NP8-20M/23	●	2	—
	NP8-20M/24	●	2	—
	NP8-20M/25	●	2	—
	NP8-20M/26	●	2	—
	NP8-02M/21	○	—	2
	NP8-02M/22	●	—	2

NP8- □□ M/ □□	Model	Color		
	NP8-02M/23		—	2
	NP8-02M/24		—	2
	NP8-02M/25		—	2
	NP8-02M/26		—	2
	NP8-11M/21		1	1
	NP8-11M/22		1	1
	NP8-11M/23		1	1
	NP8-11M/24		1	1
	NP8-11M/25		1	1
	NP8-11M/26		1	1
	NP8-30M/21		3	—
	NP8-30M/22		3	—
	NP8-30M/23		3	—
	NP8-30M/24		3	—
	NP8-30M/25		3	—
	NP8-30M/26		3	—
	NP8-03M/21		—	3
	NP8-03M/22		—	3
	NP8-03M/23		—	3
	NP8-03M/24		—	3
	NP8-03M/25		—	3
	NP8-03M/26		—	3
	NP8-12M/21		1	2
	NP8-12M/22		1	2
	NP8-12M/23		1	2
	NP8-12M/24		1	2
	NP8-12M/25		1	2
	NP8-12M/26		1	2
	NP8-21M/21		2	1
	NP8-21M/22		2	1
	NP8-21M/23		2	1
	NP8-21M/24		2	1
	NP8-21M/25		2	1
	NP8-21M/26		2	1

Dimension(mm)

NP8- □□M/ □



★ Φ40 Momentary Mushroom Pushbutton-illuminated
AC/DC6V, 12V, 24V, 36V, AC110V~230V

NP8- □□ MD/ □□	Model	Color		
	NP8-10MD/11		1	—
	NP8-10MD/13		1	—
	NP8-10MD/14		1	—
	NP8-10MD/15		1	—
	NP8-10MD/16		1	—
	NP8-01MD/11		—	1
	NP8-01MD/13		—	1
	NP8-01MD/14		—	1
	NP8-01MD/15		—	1
	NP8-01MD/16		—	1
	NP8-20MD/11		2	—
	NP8-20MD/13		2	—
	NP8-20MD/14		2	—
	NP8-20MD/15		2	—
	NP8-20MD/16		2	—
	NP8-02MD/11		—	2
	NP8-02MD/13		—	2
	NP8-02MD/14		—	2
	NP8-02MD/15		—	2
	NP8-02MD/16		—	2
	NP8-11MD/11		1	1
	NP8-11MD/13		1	1
	NP8-11MD/14		1	1
	NP8-11MD/15		1	1
	NP8-11MD/16		1	1

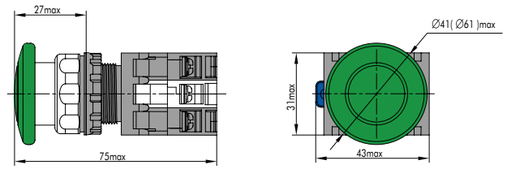
★ Φ60 Momentary Mushroom Pushbutton-illuminated
AC/DC6V, 12V, 24V, 36V, AC110V~230V

NP8- □□ MD/ □□	Model	Color		
	NP8-10MD/21		1	—
	NP8-10MD/23		1	—
	NP8-10MD/24		1	—
	NP8-10MD/25		1	—
	NP8-10MD/26		1	—
	NP8-01MD/21		—	1
	NP8-01MD/23		—	1
	NP8-01MD/24		—	1
	NP8-01MD/25		—	1
	NP8-01MD/26		—	1

NP8- □□ MD/ □□	Model	Color		
	NP8-20MD/21		2	-
	NP8-20MD/23		2	-
	NP8-20MD/24		2	-
	NP8-20MD/25		2	-
	NP8-20MD/26		2	-
	NP8-02MD/21		-	2
	NP8-02MD/23		-	2
	NP8-02MD/24		-	2
	NP8-02MD/25		-	2
	NP8-02MD/26		-	2
	NP8-11MD/21		1	1
	NP8-11MD/23		1	1
	NP8-11MD/24		1	1
	NP8-11MD/25		1	1
	NP8-11MD/26		1	1

Dimension(mm)

NP8- □□ MD/ □



★ Φ40 Mushroom Latching Pushbutton.turn to release
(Non-illuminated)

NP8- □□ ZS/ □□	Model	Color		
	NP8-10ZS/14		1	-
	NP8-01ZS/14		-	1

NP8- □□ ZS/ □□	Model	Color		
	NP8-20ZS/14		2	-
	NP8-02ZS/14		-	2
	NP8-11ZS/14		1	1

★ Φ60 Mushroom Latching Pushbutton.turn to release
(Non-illuminated)

NP8- □□ ZS/ □□	Model	Color		
	NP8-10ZS/24		1	-
	NP8-01ZS/24		-	1
	NP8-20ZS/24		2	-

NP8-□□ ZS/ □□	Model	Color	⌇	⌇
	NP8-02ZS/24	●	—	2
	NP8-11ZS/24	●	1	1

★ Φ30 Mushroom Latching Pushbutton.turn to release (Non-illuminated)

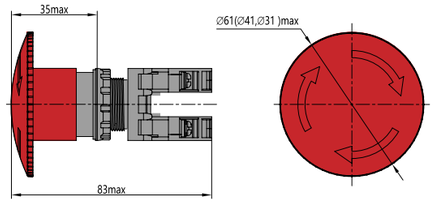
NP8-□□ ZS/ □□	Model	Color	⌇	⌇
	NP8-10ZS/34	●	1	—
	NP8-10ZS/34	●	—	1

★ Φ30 Mrushoom Latching Pushbutton.turn to release (Non-illuminated)

NP8-□□ ZS/ □□	Model	Color	⌇	⌇
	NP8-20ZS/34	●	2	—
	NP8-02ZS/34	●	—	2
	NP8-11ZS/34	●	1	1

Dimension(mm)

NP8- □□ ZS/ □



★ Double-headed flush momentory button (Non-illuminated)

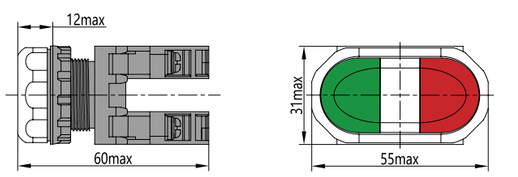
NP8-□□ S / □	Lamp-Voltage	Model	Color	⌇	⌇
	Non-illuminated	NP8-20S	● + ●	2	—
		NP8-02S	● + ●	—	2
		NP8-11S	● + ●	1	1

★ Double-headed flush momentory button (Illuminated)

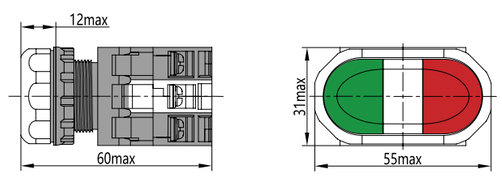
NP8-□□ SD/ □	Lamp-Voltage	Model	Color	⌇	⌇
	LED: AC/DC 6V, 12V, 24V, 36V; AC 110V ～ 230V	NP8-20SD	● + ●	2	—
		NP8-02SD	● + ●	—	2
		NP8-11SD	● + ●	1	1

Dimension(mm)

NP8- □□ S/ □



NP8- □□ SD/ □

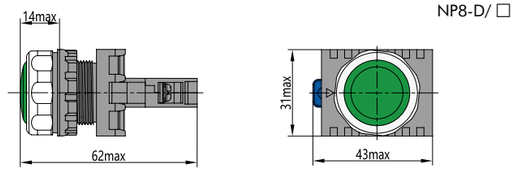


★ Light

NP8-D/ □	Lamp-Voltage	Model	Color
	LED: AC/AD 6V, 12V, 24V, 36V; AC110V ～ 230V	NP8-D/1	○
		NP8-D/3	●
		NP8-D/4	●
		NP8-D/5	●
		NP8-D/6	●

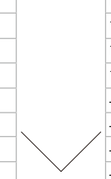
Dimension(mm)

NP8-D/ □

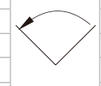


★ Selector Switches (2 positions)-(Non-illuminated)

NP8-□□X /21 □	Metal	Color	Selector Switches	⌇	⌇
	NP8-10X/211	○		1	-
	NP8-10X/212	●		1	-
	NP8-10X/213	●		1	-
	NP8-10X/214	●		1	-
	NP8-10X/215	●		1	-
	NP8-10X/216	●		1	-
	NP8-01X/211	○		-	1
	NP8-01X/212	●		-	1
	NP8-01X/213	●		-	1
	NP8-01X/214	●		-	1
	NP8-01X/215	●		-	1
	NP8-01X/216	●		-	1

NP8-□□X /21 □	Metal	Color	Selector Switches	⌇	⌇
	NP8-10X/221	○		1	-
	NP8-10X/222	●		1	-
	NP8-10X/223	●		1	-
	NP8-10X/224	●		1	-
	NP8-10X/225	●		1	-
	NP8-10X/226	●		1	-
	NP8-01X/221	○		-	1
	NP8-01X/222	●		-	1
	NP8-01X/223	●		-	1
	NP8-01X/224	●		-	1
	NP8-01X/225	●		-	1
	NP8-01X/226	●		-	1

NP8-□□X /31 □	Metal	Color	Selector Switches	⌇	⌇
	NP8-20X/211	○		2	-
	NP8-20X/212	●		2	-
	NP8-20X/213	●		2	-
	NP8-20X/214	●		2	-
	NP8-20X/215	●		2	-
	NP8-20X/216	●		2	-
	NP8-02X/211	○		-	2
	NP8-02X/212	●		-	2
	NP8-02X/213	●		-	2
	NP8-02X/214	●		-	2
	NP8-02X/215	●		-	2
	NP8-02X/216	●		-	2
	NP8-11X/211	○		1	1
	NP8-11X/212	●		1	1
	NP8-11X/213	●		1	1
	NP8-11X/214	●		1	1
	NP8-11X/215	●		1	1
	NP8-11X/216	●		1	1

NP8-□□X X22/ □	Metal	Color	Selector Switches	⌇	⌇
	NP8-20X/221	○		2	-
	NP8-20X/222	●		2	-
	NP8-20X/223	●		2	-
	NP8-20X/224	●		2	-
	NP8-20X/225	●		2	-
	NP8-20X/226	●		2	-
	NP8-02X/221	○		-	2
	NP8-02X/222	●		-	2
	NP8-02X/223	●		-	2
	NP8-02X/224	●		-	2
	NP8-02X/225	●		-	2
	NP8-02X/226	●		-	2
	NP8-11X/221	○		1	1
	NP8-11X/222	●		1	1
	NP8-11X/223	●		1	1
	NP8-11X/224	●		1	1
	NP8-11X/225	●		1	1
	NP8-11X/226	●		1	1

★ Selector Switches (3 positions)-(Non-illuminated)

NP8-□□X /31 □	Metal	Color	Selector Switches	⌇	⌇
	NP8-20X/311	○		2	-
	NP8-20X/312	●		2	-
	NP8-20X/313	●		2	-
	NP8-20X/314	●		2	-
	NP8-20X/315	●		2	-
	NP8-20X/316	●		2	-
	NP8-02X/311	○		-	2
	NP8-02X/312	●		-	2
	NP8-02X/313	●		-	2
	NP8-02X/314	●		-	2
	NP8-02X/315	●		-	2
	NP8-02X/316	●		-	2
	NP8-11X/311	○		1	1
	NP8-11X/312	●		1	1
	NP8-11X/313	●		1	1
	NP8-11X/314	●		1	1
	NP8-11X/315	●		1	1
	NP8-11X/316	●		1	1

NP8- □□ X/33 □	Metal	Color	Selector Switches		
	NP8-20X/331	○		2	—
	NP8-20X/332	●		2	—
	NP8-20X/333	●		2	—
	NP8-20X/334	●		2	—
	NP8-20X/335	●		2	—
	NP8-20X/336	●		2	—
	NP8-02X/331	○		—	2
	NP8-02X/332	●		—	2
	NP8-02X/333	●		—	2
	NP8-02X/334	●		—	2
	NP8-02X/335	●		—	2
	NP8-02X/336	●		—	2
	NP8-11X/331	○		1	1
	NP8-11X/332	●		1	1
	NP8-11X/333	●		1	1
	NP8-11X/334	●		1	1
	NP8-11X/335	●		1	1
	NP8-11X/336	●		1	1

NP8- □□ X/37 □	Metal	Color	Selector Switches		
	NP8-20X/371	○		2	—
	NP8-20X/372	●		2	—
	NP8-20X/373	●		2	—
	NP8-20X/374	●		2	—
	NP8-20X/375	●		2	—
	NP8-20X/376	●		2	—
	NP8-02X/371	○		—	2
	NP8-02X/372	●		—	2
	NP8-02X/373	●		—	2
	NP8-02X/374	●		—	2
	NP8-02X/375	●		—	2
	NP8-02X/376	●		—	2
	NP8-11X/371	○		1	1
	NP8-11X/372	●		1	1
	NP8-11X/373	●		1	1
	NP8-11X/374	●		1	1
	NP8-11X/375	●		1	1
	NP8-11X/376	●		1	1

NP8- □□ X/38 □	Metal	Color	Selector Switches		
	NP8-20X/381	○		2	—
	NP8-20X/382	●		2	—
	NP8-20X/383	●		2	—
	NP8-20X/384	●		2	—
	NP8-20X/385	●		2	—
	NP8-20X/386	●		2	—
	NP8-02X/381	○		—	2
	NP8-02X/382	●		—	2
	NP8-02X/383	●		—	2
	NP8-02X/384	●		—	2
	NP8-02X/385	●		—	2
	NP8-02X/386	●		—	2
	NP8-11X/381	○		1	1
	NP8-11X/382	●		1	1
	NP8-11X/383	●		1	1
	NP8-11X/384	●		1	1
	NP8-11X/385	●		1	1
	NP8-11X/386	●		1	1

★ Selector Switches (2 positions) -(Illuminated)
AC/DC6V, 12V, 24V, 36V, AC110V~230V

NP8- □□ XD /21 □	Metal	Color	Selector Switches		
	NP8-10XD/211	○		1	—
	NP8-10XD/213	●		1	—
	NP8-10XD/214	●		1	—
	NP8-10XD/215	●		1	—
	NP8-10XD/216	●		1	—
	NP8-01XD/211	○		—	1
	NP8-01XD/213	●		—	1
	NP8-01XD/214	●		—	1
	NP8-01XD/215	●		—	1
	NP8-01XD/216	●		—	1

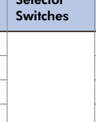
NP8- □□ XD/22 □	Metal	Color	Selector Switches		
	NP8-10XD/221	○		1	—
	NP8-10XD/223	●		1	—
	NP8-10XD/224	●		1	—
	NP8-10XD/225	●		1	—
	NP8-10XD/226	●		1	—
	NP8-01XD/221	○		—	1
	NP8-01XD/223	●		—	1
	NP8-01XD/224	●		—	1
	NP8-01XD/225	●		—	1
	NP8-01XD/226	●		—	1

NP8- □□ XD /21 □	Metal	Color	Selector Switches		
	NP8-20XD/211	○		2	—
	NP8-20XD/213	●		2	—
	NP8-20XD/214	●		2	—
	NP8-20XD/215	●		2	—
	NP8-20XD/216	●		2	—
	NP8-02XD/211	○		—	2
	NP8-02XD/213	●		—	2
	NP8-02XD/214	●		—	2
	NP8-02XD/215	●		—	2
	NP8-02XD/216	●		—	2
	NP8-11XD/211	○		1	1
	NP8-11XD/213	●		1	1
	NP8-11XD/214	●		1	1
	NP8-11XD/215	●		1	1
	NP8-11XD/216	●		1	1

NP8- □□ XD/22 □	Metal	Color	Selector Switches		
	NP8-20XD/221	○		2	—
	NP8-20XD/223	●		2	—
	NP8-20XD/224	●		2	—
	NP8-20XD/225	●		2	—
	NP8-20XD/226	●		2	—
	NP8-02XD/221	○		—	2
	NP8-02XD/223	●		—	2
	NP8-02XD/224	●		—	2
	NP8-02XD/225	●		—	2
	NP8-02XD/226	●		—	2
	NP8-11XD/221	○		1	1
	NP8-11XD/223	●		1	1
	NP8-11XD/224	●		1	1
	NP8-11XD/225	●		1	1
	NP8-11XD/226	●		1	1

★ Selector Switches (3 positions) -(Illuminated)
AC/DC6V, 12V, 24V, 36V, AC110V~230V

NP8- □□ XD /31 □	Metal	Color	Selector Switches		
	NP8-20XD/311	○		2	—
	NP8-20XD/313	●		2	—
	NP8-20XD/314	●		2	—
	NP8-20XD/315	●		2	—
	NP8-20XD/316	●		2	—
	NP8-02XD/311	○		—	2
	NP8-02XD/313	●		—	2
	NP8-02XD/314	●		—	2
	NP8-02XD/315	●		—	2
	NP8-02XD/316	●		—	2
	NP8-11XD/311	○		1	1
	NP8-11XD/313	●		1	1
	NP8-11XD/314	●		1	1
	NP8-11XD/315	●		1	1
	NP8-11XD/316	●		1	1

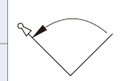
NP8- □□ XD/33 □	Metal	Color	Selector Switches		
	NP8-20XD/331	○		2	—
	NP8-20XD/333	●		2	—
	NP8-20XD/334	●		2	—
	NP8-20XD/335	●		2	—
	NP8-20XD/336	●		2	—
	NP8-02XD/331	○		—	2
	NP8-02XD/333	●		—	2
	NP8-02XD/334	●		—	2
	NP8-02XD/335	●		—	2
	NP8-02XD/336	●		—	2
	NP8-11XD/331	○		1	1
	NP8-11XD/333	●		1	1
	NP8-11XD/334	●		1	1
	NP8-11XD/335	●		1	1
	NP8-11XD/336	●		1	1

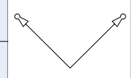
NP8- □□ XD/37 □	Metal	Color	Selector Switches		
	NP8-20XD/371	○		2	—
	NP8-20XD/373	●		2	—
	NP8-20XD/374	●		2	—
	NP8-20XD/375	●		2	—
	NP8-20XD/376	●		2	—
	NP8-02XD/371	○		—	2
	NP8-02XD/373	●		—	2
	NP8-02XD/374	●		—	2
	NP8-02XD/375	●		—	2
	NP8-02XD/376	●		—	2
	NP8-11XD/371	○		1	1
	NP8-11XD/373	●		1	1
	NP8-11XD/374	●		1	1
	NP8-11XD/375	●		1	1
	NP8-11XD/376	●		1	1

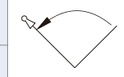
NP8- □□ XD/38 □	Metal	Color	Selector Switches		
	NP8-20XD/381	○		2	—
	NP8-20XD/383	●		2	—
	NP8-20XD/384	●		2	—
	NP8-20XD/385	●		2	—
	NP8-20XD/386	●		2	—
	NP8-02XD/381	○		—	2
	NP8-02XD/383	●		—	2
	NP8-02XD/384	●		—	2
	NP8-02XD/385	●		—	2
	NP8-02XD/386	●		—	2
	NP8-11XD/381	○		1	1
	NP8-11XD/383	●		1	1
	NP8-11XD/384	●		1	1
	NP8-11XD/385	●		1	1
	NP8-11XD/386	●		1	1

★ Key Switches (2 positions)-(Non-illuminated)

NP8 □□ Y /21	Metal	Key Switches		
	NP8-10Y/21		1	—
	NP8-01Y/21		—	1

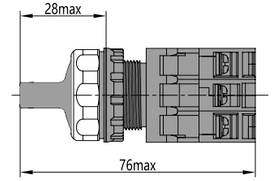
NP8- □□ Y/22	Metal	Key Switches		
	NP8-10Y/22		1	—
	NP8-01Y/22		—	1

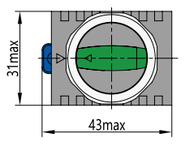
NP8 □□ Y /21	Metal	Key Switches		
	NP8-20Y/21		2	—
	NP8-02Y/21		—	2
	NP8-11Y/21		1	1

NP8- □□ Y/22	Metal	Key Switches		
	NP8-20Y/22		2	—
	NP8-02Y/22		—	2
	NP8-11Y/22		1	1

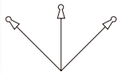
Dimensions(mm)

NP8- □□ XD/ □

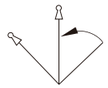


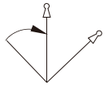


★ Key Switches (3 positions)-(Non-illuminated)

NP8- □□ Y/31 □	Metal	Key Switches		
	NP8-20Y/31		2	—
	NP8-02Y/31		—	2
	NP8-11Y/31		1	1

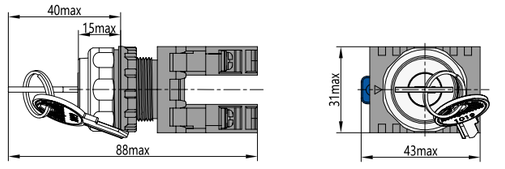
NP8- □□ Y/ □	Metal	Key Switches		
	NP8-20Y/33		2	—
	NP8-02Y/33		—	2
	NP8-11Y/33		1	1

NP8- □□ Y/ □	Metal	Key Switches		
	NP8-20Y/37		2	—
	NP8-02Y/37		—	2
	NP8-11Y/37		1	1

NP8- □□ Y/ □	Metal	Key Switches		
	NP8-20Y/38		2	—
	NP8-02Y/38		—	2
	NP8-11Y/38		1	1

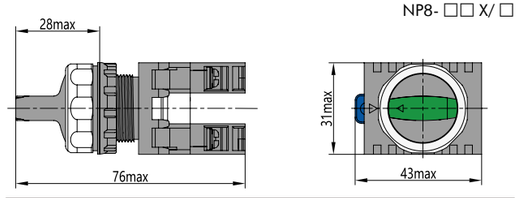
Dimensions(mm)

NP8- □□ Y/ □

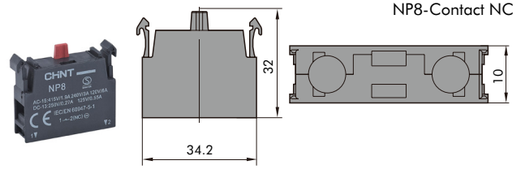


Dimensions(mm)

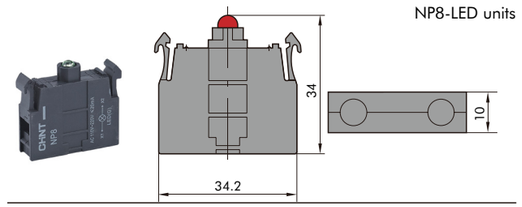
NP8- □□ X/ □



NP8-Contact NO
NP8-Contact NC



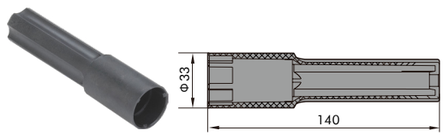
NP8-LED units



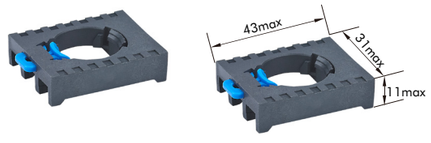
NP8-English Warning Label Φ 60



NP2,NP8,ND16 Installation tool



NP8 Basement



NP8	-	0	1	BN	1	/	RED	AC/DC 24V
Product Series		**NO Contact Quantity**	**NC Contact Quantity**	**Function**	**Additional Function**		**Color**	**Control Voltage**
		1 2 3	1 2 3	BN: flush button BND: illuminated flush button GN: projecting button GND: illuminated projecting button M: mushroom button MD: illuminated mushroom button ZS: latching mushroom button X: selector XD: illuminated selector Y: key selector S: double head button SD: illuminated double head button D: indicator light	for mushroom button: 1: Φ40mm 2: Φ60mm 3: Φ30mm for selector: 21: 2-position, latching 22: 2-position, self-return 31: 3-position, latching 33: 3-position, self-return 37: 3-position, latching on the left, self-return on the right 38: 3-position, latching on the right, self-return on the left		WHT: white RED: red GRN: green BLU: blue YEL: yellow BLK: black ORG: orange	AC/DC 12V AC/DC 24V AC/DC 36V AC 110~220V AC 110~230V

Type	Color or Function	Contact	Model Description	Code
Illuminated flush button	Green, AC 110V-220V LED	2 NC	NP8-02BND GRN AC 110V-220V	667253
Illuminated flush button	Green, AC 110V-230V LED	2 NC	NP8-02BND GRN AC 110V-230V	667586
Illuminated flush button	Green, AC/DC 24V LED	2 NC	NP8-02BND GRN AC/DC 24V	667242
Illuminated flush button	Blue, AC 110V-220V LED	2 NC	NP8-02BND BLU AC 110V-220V	667256
Illuminated flush button	Blue, AC 110V-230V LED	2 NC	NP8-02BND BLU AC 110V-230V	667589
Illuminated flush button	Yellow, AC 110V-220V LED	2 NC	NP8-02BND YEL AC 110V-220V	667255
Illuminated flush button	Yellow, AC 110V-230V LED	2 NC	NP8-02BND YEL AC 110V-230V	667588
Projecting button	Red	2 NC	NP8-02GN RED	667295
Projecting button	Green	2 NC	NP8-02GN GRN	667294
Illuminated projecting button	Red, AC 110V-220V LED	2 NC	NP8-02GND RED AC 110V-220V	667315
Illuminated projecting button	Red, AC 110V-230V LED	2 NC	NP8-02GND RED AC 110V-230V	667610
Illuminated projecting button	Red, AC/DC 24V LED	2 NC	NP8-02GND RED AC/DC 24V	667305
Illuminated projecting button	Green, AC 110V-220V LED	2 NC	NP8-02GND GRN AC 110V-220V	667314
Illuminated projecting button	Green, AC 110V-230V LED	2 NC	NP8-02GND GRN AC 110V-230V	667609
Illuminated projecting button	Green, AC/DC 24V LED	2 NC	NP8-02GND GRN AC/DC 24V	667304
Mushroom button	Red, Φ40mm	2 NC	NP8-02M/1 RED	667267
Mushroom button	Green, Φ40mm	2 NC	NP8-02M/1 GRN	667266
Mushroom button	Red, Φ60mm	2 NC	NP8-02M/2 RED	667860
Illuminated mushroom button	Red, Φ40mm, AC 110V-220V LED	2 NC	NP8-02MD/1 RED AC 110V-220V	667287
Illuminated mushroom button	Red, Φ40mm, AC 110V-230V LED	2 NC	NP8-02MD/1 RED AC 110V-230V	667600
Illuminated mushroom button	Red, Φ40mm, AC/DC 24V LED	2 NC	NP8-02MD/1 RED AC/DC 24V	667277
Illuminated mushroom button	Green, Φ40mm, AC 110V-220V LED	2 NC	NP8-02MD/1 GRN AC 110V-220V	667286
Illuminated mushroom button	Green, Φ40mm, AC 110V-230V LED	2 NC	NP8-02MD/1 GRN AC 110V-230V	667599
Illuminated mushroom button	Green, Φ40mm, AC/DC 24V LED	2 NC	NP8-02MD/1 GRN AC/DC 24V	667276
Illuminated mushroom button	Red, Φ60mm, AC 110V-220V LED	2 NC	NP8-02MD/2 RED AC 110V-220V	667366
Illuminated mushroom button	Red, Φ60mm, AC 110V-230V LED	2 NC	NP8-02MD/2 RED AC 110V-230V	667635
Illuminated mushroom button	Green, Φ60mm, AC 110V-220V LED	2 NC	NP8-02MD/2 GRN AC 110V-220V	578634
Illuminated mushroom button	Green, Φ60mm, AC 110V-230V LED	2 NC	NP8-02MD/2 GRN AC 110V-230V	667636
Double headed button	1 green and 1 red flush button	2 NC	NP8-02S	667318
Illuminated double headed button	1 green and 1 red flush button, 1 orange pilot light, AC 110V-220V LED	2 NC	NP8-02SD ORG AC 110V-220V	667357
Illuminated double headed button	1 green and 1 red flush button, 1 orange pilot light, AC/DC 24V LED	2 NC	NP8-02SD ORG AC/DC 24V	667351
Illuminated double headed button	1 green and 1 red flush button, 1 white pilot light, AC 110V-220V LED	2 NC	NP8-02SD WHT AC 110V-220V	667356
Illuminated double headed button	1 green and 1 red flush button, 1 white pilot light, AC 110V-230V LED	2 NC	NP8-02SD WHT AC 110V-230V	667626
Illuminated double headed button	1 green and 1 red flush button, 1 white pilot light, AC/DC 24V LED	2 NC	NP8-02SD WHT AC/DC 24V	667350
Illuminated double headed button	1 green and 1 red flush button, 1 red pilot light, AC 110V-220V LED	2 NC	NP8-02SD RED AC 110V-220V	667358
Illuminated double headed button	1 green and 1 red flush button, 1 red pilot light, AC 110V-230V LED	2 NC	NP8-02SD RED AC 110V-230V	667627
Illuminated double headed button	1 green and 1 red flush button, 1 red pilot light, AC/DC 24V LED	2 NC	NP8-02SD RED AC/DC 24V	667352
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC 110V-220V LED	2 NC	NP8-02SD GRN AC 110V-220V	667361
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC 110V-230V LED	2 NC	NP8-02SD GRN AC 110V-230V	667630
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC/DC 24V LED	2 NC	NP8-02SD GRN AC/DC 24V	667355
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC 110V-220V LED	2 NC	NP8-02SD BLU AC 110V-220V	667360
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC 110V-230V LED	2 NC	NP8-02SD BLU AC 110V-230V	667629
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC/DC 24V LED	2 NC	NP8-02SD BLU AC/DC 24V	667354
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC 110V-220V LED	2 NC	NP8-02SD YEL AC 110V-220V	667359

Type	Color or Function	Contact	Model Description	Code
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC 110V-230V LED	2 NC	NP8-02SD YEL AC 110V-230V	667628
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC/DC 24V LED	2 NC	NP8-02SD YEL AC/DC 24V	667353
Selector	Red, 2-position, latching	2 NC	NP8-02X/21 RED	667223
Selector	Green, 2-position, latching	2 NC	NP8-02X/21 GRN	667222
Selector	White, 2-position, self-return	2 NC	NP8-02X/22 WHT	578782
Selector	Red, 2-position, self-return	2 NC	NP8-02X/22 RED	578745
Selector	Green, 2-position, self-return	2 NC	NP8-02X/22 GRN	578744
Selector	Blue, 2-position, self-return	2 NC	NP8-02X/22 BLU	578785
Selector	Yellow, 2-position, self-return	2 NC	NP8-02X/22 YEL	578784
Selector	Black, 2-position, self-return	2 NC	NP8-02X/22 BLK	578783
Selector	Red, 3-position, latching	2 NC	NP8-02X/31 RED	667227
Selector	Green, 3-position, latching	2 NC	NP8-02X/31 GRN	667226
Selector	Black, 3-position, latching	2 NC	NP8-02X/31 BLK	578965
Selector	White, 3-position, self-return	2 NC	NP8-02X/33 WHT	578839
Selector	Red, 3-position, self-return	2 NC	NP8-02X/33 RED	578757
Selector	Green, 3-position, self-return	2 NC	NP8-02X/33 GRN	578754
Selector	Blue, 3-position, self-return	2 NC	NP8-02X/33 BLU	578848
Selector	Yellow, 3-position, self-return	2 NC	NP8-02X/33 YEL	578845
Selector	Black, 3-position, self-return	2 NC	NP8-02X/33 BLK	578842
Selector	White, 3-position, latching on the left, self-return on the right	2 NC	NP8-02X/37 WHT	578840
Selector	Red, 3-position, latching on the left, self-return on the right	2 NC	NP8-02X/37 RED	578758
Selector	Green, 3-position, latching on the left, self-return on the right	2 NC	NP8-02X/37 GRN	578755
Selector	Blue, 3-position, latching on the left, self-return on the right	2 NC	NP8-02X/37 BLU	578849
Selector	Yellow, 3-position, latching on the left, self-return on the right	2 NC	NP8-02X/37 YEL	578846
Selector	Black, 3-position, latching on the left, self-return on the right	2 NC	NP8-02X/37 BLK	578843
Selector	White, 3-position, latching on the right, self-return on the left	2 NC	NP8-02X/38 WHT	578841
Selector	Red, 3-position, latching on the right, self-return on the left	2 NC	NP8-02X/38 RED	578759
Selector	Green, 3-position, latching on the right, self-return on the left	2 NC	NP8-02X/38 GRN	578756
Selector	Blue, 3-position, latching on the right, self-return on the left	2 NC	NP8-02X/38 BLU	578850
Selector	Yellow, 3-position, latching on the right, self-return on the left	2 NC	NP8-02X/38 YEL	578847
Selector	Black, 3-position, latching on the right, self-return on the left	2 NC	NP8-02X/38 BLK	578844
Illuminated selector	Red, 2-position, latching, AC 110V-220V LED	2 NC	NP8-02XD/21 RED AC 110V-220V	667203
Illuminated selector	Red, 2-position, latching, AC 110V-230V LED	2 NC	NP8-02XD/21 RED AC 110V-230V	667572
Illuminated selector	Red, 2-position, latching, AC/DC 24V LED	2 NC	NP8-02XD/21 RED AC/DC 24V	667191
Illuminated selector	Green, 2-position, latching, AC 110V-220V LED	2 NC	NP8-02XD/21 GRN AC 110V-220V	667202
Illuminated selector	Green, 2-position, latching, AC 110V-230V LED	2 NC	NP8-02XD/21 GRN AC 110V-230V	667571
Illuminated selector	Green, 2-position, latching, AC/DC 24V LED	2 NC	NP8-02XD/21 GRN AC/DC 24V	667190
Illuminated selector	Orange, 2-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/22 ORG AC/DC 24V	578817
Illuminated selector	Orange, 2-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/22 ORG AC 110V-220V	578821
Illuminated selector	White, 2-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/22 WHT AC/DC 24V	578814
Illuminated selector	White, 2-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/22 WHT AC 110V-220V	578818
Illuminated selector	White, 2-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/22 WHT AC110V-230V	667683
Illuminated selector	Red, 2-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/22 RED AC/DC 24V	578689
Illuminated selector	Red, 2-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/22 RED AC 110V-220V	578717

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Red, 2-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/22 RED AC110V-230V	667653
Illuminated selector	Green, 2-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/22 GRN AC/DC 24V	578688
Illuminated selector	Green, 2-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/22 GRN AC 110V-220V	578716
Illuminated selector	Green, 2-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/22 GRN AC110V-230V	667652
Illuminated selector	Blue, 2-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/22 BLU AC/DC 24V	578816
Illuminated selector	Blue, 2-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/22 BLU AC 110V-220V	578820
Illuminated selector	Blue, 2-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/22 BLU AC110V-230V	667685
Illuminated selector	Yellow, 2-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/22 YEL AC/DC 24V	578815
Illuminated selector	Yellow, 2-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/22 YEL AC 110V-220V	578819
Illuminated selector	Yellow, 2-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/22 YEL AC110V-230V	667684
Illuminated selector	Red, 3-position, latching, AC 110V-220V LED	2 NC	NP8-02XD/31 RED AC 110V-220V	667207
Illuminated selector	Red, 3-position, latching, AC 110V-230V LED	2 NC	NP8-02XD/31 RED AC 110V-230V	667576
Illuminated selector	Red, 3-position, latching, AC/DC 24V LED	2 NC	NP8-02XD/31 RED AC/DC 24V	667195
Illuminated selector	Green, 3-position, latching, AC 110V-220V LED	2 NC	NP8-02XD/31 GRN AC 110V-220V	667206
Illuminated selector	Green, 3-position, latching, AC 110V-230V LED	2 NC	NP8-02XD/31 GRN AC 110V-230V	667575
Illuminated selector	Green, 3-position, latching, AC/DC 24V LED	2 NC	NP8-02XD/31 GRN AC/DC 24V	667194
Illuminated selector	Orange, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 ORG AC/DC 24V	578893
Illuminated selector	Orange, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 ORG AC 110V-220V	578905
Illuminated selector	White, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 WHT AC/DC 24V	578884
Illuminated selector	White, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 WHT AC 110V-220V	578896
Illuminated selector	White, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 WHT AC110V-230V	667698
Illuminated selector	Red, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 RED AC/DC 24V	578701
Illuminated selector	Red, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 RED AC 110V-220V	578729
Illuminated selector	Red, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 RED AC110V-230V	667665
Illuminated selector	Green, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 GRN AC/DC 24V	578698
Illuminated selector	Green, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 GRN AC 110V-220V	578726
Illuminated selector	Green, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 GRN AC110V-230V	667662
Illuminated selector	Blue, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 BLU AC/DC 24V	578890
Illuminated selector	Blue, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 BLU AC 110V-220V	578902
Illuminated selector	Blue, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 BLU AC110V-230V	667704
Illuminated selector	Yellow, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 YEL AC/DC 24V	578887
Illuminated selector	Yellow, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 YEL AC 110V-220V	578899
Illuminated selector	Yellow, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 YEL AC110V-230V	667701
Illuminated selector	Orange, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 ORG AC/DC 24V	578894
Illuminated selector	Orange, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 OR AC 110V-220V	578906
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 WHT AC/DC 24V	578885
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 WHT AC 110V-220V	578897
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 WHT AC110V-230V	667699
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 RED AC/DC 24V	578702
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 RED AC 110V-220V	578730
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 RED AC110V-230V	667666
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 GRN AC/DC 24V	578699
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 GRN AC 110V-220V	578727
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 GRN AC110V-230V	667663

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 BLU AC/DC 24V	578891
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 BLU AC 110V-220V	578903
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 BLU AC110V-230V	667705
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 YEL AC/DC 24V	578888
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 YEL AC 110V-220V	578900
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 YEL AC110V-230V	667702
Illuminated selector	Orange, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 ORG AC/DC 24V	578895
Illuminated selector	Orange, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 ORG AC 110V-220V	578907
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 WHT AC/DC 24V	578886
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 WHT AC 110V-220V	578898
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 WHT AC110V-230V	667700
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 RED AC/DC 24V	578703
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 RED AC 110V-220V	578731
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 RED AC110V-230V	667667
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 GRN AC/DC 24V	578700
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 GRN AC 110V-220V	578728
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 GRN AC110V-230V	667664
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 BLU AC/DC 24V	578892
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 BLU AC 110V-220V	578904
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 BLU AC110V-230V	667706
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 YEL AC/DC 24V	578889
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 YEL AC 110V-220V	578901
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 YEL AC110V-230V	667703
Key selector	2-position, latching	2 NC	NP8-02Y/21	667181
Key selector	2-position, self-return	2 NC	NP8-02Y/22	578671
Key selector	3-position, latching	2 NC	NP8-02Y/31	667184
Key selector	3-position, self-return	2 NC	NP8-02Y/33	578676
Key selector	3-position, latching on the left, self-return on the right	2 NC	NP8-02Y/37	578677
Key selector	3-position, latching on the right, self-return on the left	2 NC	NP8-02Y/38	578678
Mushroom button	Red, Φ40mm, latching, turn release	2 NC	NP8-02ZS/1 RED	667214
Mushroom button	Red, Φ60mm, latching, turn release	2 NC	NP8-02ZS/2 RED	667215
Mushroom button	Red, Φ30mm, latching, turn release	2 NC	NP8-02ZS/3 RED	667853
Flush button	White	3 NC	NP8-03BN WHT	368576
Flush button	Red	3 NC	NP8-03BN RED	368579
Flush button	Green	3 NC	NP8-03BN GRN	368578
Flush button	Blue	3 NC	NP8-03BN BLU	578635
Flush button	Yellow	3 NC	NP8-03BN YEL	368580
Flush button	Black	3 NC	NP8-03BN BLK	368577
Projecting button	Blue	3 NC	NP8-03GN BLU	578636
Mushroom button	Green, Φ40mm	3 NC	NP8-03M/1 GRN	578637
Mushroom button	Red, Φ60mm	3 NC	NP8-03M/2 RED	578638
Flush button	White	1 NO	NP8-10BN WHT	578646
Flush button	Red	1 NO	NP8-10BN RED	667233
Flush button	Green	1 NO	NP8-10BN GRN	667232

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Red, 2-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/22 RED AC110V-230V	667653
Illuminated selector	Green, 2-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/22 GRN AC/DC 24V	578688
Illuminated selector	Green, 2-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/22 GRN AC 110V-220V	578716
Illuminated selector	Green, 2-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/22 GRN AC110V-230V	667652
Illuminated selector	Blue, 2-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/22 BLU AC/DC 24V	578816
Illuminated selector	Blue, 2-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/22 BLU AC 110V-220V	578820
Illuminated selector	Blue, 2-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/22 BLU AC110V-230V	667685
Illuminated selector	Yellow, 2-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/22 YEL AC/DC 24V	578815
Illuminated selector	Yellow, 2-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/22 YEL AC 110V-220V	578819
Illuminated selector	Yellow, 2-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/22 YEL AC110V-230V	667684
Illuminated selector	Red, 3-position, latching, AC 110V-220V LED	2 NC	NP8-02XD/31 RED AC 110V-220V	667207
Illuminated selector	Red, 3-position, latching, AC 110V-230V LED	2 NC	NP8-02XD/31 RED AC 110V-230V	667576
Illuminated selector	Red, 3-position, latching, AC/DC 24V LED	2 NC	NP8-02XD/31 RED AC/DC 24V	667195
Illuminated selector	Green, 3-position, latching, AC 110V-220V LED	2 NC	NP8-02XD/31 GRN AC 110V-220V	667206
Illuminated selector	Green, 3-position, latching, AC 110V-230V LED	2 NC	NP8-02XD/31 GRN AC 110V-230V	667575
Illuminated selector	Green, 3-position, latching, AC/DC 24V LED	2 NC	NP8-02XD/31 GRN AC/DC 24V	667194
Illuminated selector	Orange, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 ORG AC/DC 24V	578893
Illuminated selector	Orange, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 ORG AC 110V-220V	578905
Illuminated selector	White, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 WHT AC/DC 24V	578884
Illuminated selector	White, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 WHT AC 110V-220V	578896
Illuminated selector	White, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 WHT AC110V-230V	667698
Illuminated selector	Red, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 RED AC/DC 24V	578701
Illuminated selector	Red, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 RED AC 110V-220V	578729
Illuminated selector	Red, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 RED AC110V-230V	667665
Illuminated selector	Green, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 GRN AC/DC 24V	578698
Illuminated selector	Green, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 GRN AC 110V-220V	578726
Illuminated selector	Green, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 GRN AC110V-230V	667662
Illuminated selector	Blue, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 BLU AC/DC 24V	578890
Illuminated selector	Blue, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 BLU AC 110V-220V	578902
Illuminated selector	Blue, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 BLU AC110V-230V	667704
Illuminated selector	Yellow, 3-position, self-return, AC/DC 24V LED	2 NC	NP8-02XD/33 YEL AC/DC 24V	578887
Illuminated selector	Yellow, 3-position, self-return, AC 110V-220V LED	2 NC	NP8-02XD/33 YEL AC 110V-220V	578899
Illuminated selector	Yellow, 3-position, self-return, AC 110V-230V LED	2 NC	NP8-02XD/33 YEL AC110V-230V	667701
Illuminated selector	Orange, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 ORG AC/DC 24V	578894
Illuminated selector	Orange, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 OR AC 110V-220V	578906
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 WHT AC/DC 24V	578885
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 WHT AC 110V-220V	578897
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 WHT AC110V-230V	667699
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 RED AC/DC 24V	578702
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 RED AC 110V-220V	578730
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 RED AC110V-230V	667666
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 GRN AC/DC 24V	578699
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 GRN AC 110V-220V	578727
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 GRN AC110V-230V	667663

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 BLU AC/DC 24V	578891
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 BLU AC 110V-220V	578903
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 BLU AC110V-230V	667705
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NC	NP8-02XD/37 YEL AC/DC 24V	578888
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NC	NP8-02XD/37 YEL AC 110V-220V	578900
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NC	NP8-02XD/37 YEL AC110V-230V	667702
Illuminated selector	Orange, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 ORG AC/DC 24V	578895
Illuminated selector	Orange, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 ORG AC 110V-220V	578907
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 WHT AC/DC 24V	578886
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 WHT AC 110V-220V	578898
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 WHT AC110V-230V	667700
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 RED AC/DC 24V	578703
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 RED AC 110V-220V	578731
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 RED AC110V-230V	667667
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 GRN AC/DC 24V	578700
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 GRN AC 110V-220V	578728
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 GRN AC110V-230V	667664
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 BLU AC/DC 24V	578892
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 BLU AC 110V-220V	578904
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 BLU AC110V-230V	667706
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NC	NP8-02XD/38 YEL AC/DC 24V	578889
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NC	NP8-02XD/38 YEL AC 110V-220V	578901
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NC	NP8-02XD/38 YEL AC110V-230V	667703
Key selector	2-position, latching	2 NC	NP8-02Y/21	667181
Key selector	2-position, self-return	2 NC	NP8-02Y/22	578671
Key selector	3-position, latching	2 NC	NP8-02Y/31	667184
Key selector	3-position, self-return	2 NC	NP8-02Y/33	578676
Key selector	3-position, latching on the left, self-return on the right	2 NC	NP8-02Y/37	578677
Key selector	3-position, latching on the right, self-return on the left	2 NC	NP8-02Y/38	578678
Mushroom button	Red, Φ40mm, latching, turn release	2 NC	NP8-02ZS/1 RED	667214
Mushroom button	Red, Φ60mm, latching, turn release	2 NC	NP8-02ZS/2 RED	667215
Mushroom button	Red, Φ30mm, latching, turn release	2 NC	NP8-02ZS/3 RED	667853
Flush button	White	3 NC	NP8-03BN WHT	368576
Flush button	Red	3 NC	NP8-03BN RED	368579
Flush button	Green	3 NC	NP8-03BN GRN	368578
Flush button	Blue	3 NC	NP8-03BN BLU	578635
Flush button	Yellow	3 NC	NP8-03BN YEL	368580
Flush button	Black	3 NC	NP8-03BN BLK	368577
Projecting button	Blue	3 NC	NP8-03GN BLU	578636
Mushroom button	Green, Φ40mm	3 NC	NP8-03M/1 GRN	578637
Mushroom button	Red, Φ60mm	3 NC	NP8-03M/2 RED	578638
Flush button	White	1 NO	NP8-10BN WHT	578646
Flush button	Red	1 NO	NP8-10BN RED	667233
Flush button	Green	1 NO	NP8-10BN GRN	667232

Type	Color or Function	Contact	Model Description	Code
Flush button	Blue	1 NO	NP8-10BN BLU	578645
Flush button	Yellow	1 NO	NP8-10BN YEL	667333
Flush button	Black	1 NO	NP8-10BN BLK	578647
Illuminated flush button	Orange, AC 110V-220V LED	1 NO	NP8-10BND ORG AC 110V-220V	667337
Illuminated flush button	White, AC 110V-220V LED	1 NO	NP8-10BND WHT AC 110V-220V	578662
Illuminated flush button	White, AC 110V-230V LED	1 NO	NP8-10BND WHT AC 110V-230V	667643
Illuminated flush button	White, AC/DC 24V LED	1 NO	NP8-10BND WHT AC/DC 24V	667862
Illuminated flush button	Red, AC 110V-220V LED	1 NO	NP8-10BND RED AC 110V-220V	667252
Illuminated flush button	Red, AC 110V-230V LED	1 NO	NP8-10BND RED AC 110V-230V	667585
Illuminated flush button	Red, AC/DC 24V LED	1 NO	NP8-10BND RED AC/DC 24V	667241
Illuminated flush button	Green, AC 110V-220V LED	1 NO	NP8-10BND GRN AC 110V-220V	667251
Illuminated flush button	Green, AC 110V-230V LED	1 NO	NP8-10BND GRN AC 110V-230V	667584
Illuminated flush button	Green, AC/DC 12V LED	1 NO	NP8-10BND GRN AC/DC 12V	667382
Illuminated flush button	Green, AC/DC 24V LED	1 NO	NP8-10BND GRN AC/DC 24V	667240
Illuminated flush button	Green, AC/DC 36V LED	1 NO	NP8-10BND GRN AC/DC 36V	667385
Illuminated flush button	Blue, AC 110V-220V LED	1 NO	NP8-10BND BLU AC 110V-220V	578663
Illuminated flush button	Blue, AC 110V-230V LED	1 NO	NP8-10BND BLU AC 110V-230V	667644
Illuminated flush button	Blue, AC/DC 12V LED	1 NO	NP8-10BND BLU AC/DC 12V	667384
Illuminated flush button	Blue, AC/DC 24V LED	1 NO	NP8-10BND BLU AC/DC 24V	578945
Illuminated flush button	Yellow, AC 110V-220V LED	1 NO	NP8-10BND YEL AC 110V-220V	667321
Illuminated flush button	Yellow, AC 110V-230V LED	1 NO	NP8-10BND YEL AC 110V-230V	667613
Illuminated flush button	Yellow, AC/DC 12V LED	1 NO	NP8-10BND YEL AC/DC 12V	667383
Illuminated flush button	Yellow, AC/DC 24V LED	1 NO	NP8-10BND YEL AC/DC 24V	667320
Projecting button	Red	1 NO	NP8-10GN RED	667293
Projecting button	Green	1 NO	NP8-10GN GRN	667292
Projecting button	Blue	1 NO	NP8-10GN BLU	667380
Projecting button	Yellow	1 NO	NP8-10GN YEL	667379
Illuminated projecting button	Red, AC 110V-220V LED	1 NO	NP8-10GND RED AC 110V-220V	667311
Illuminated projecting button	Red, AC 110V-230V LED	1 NO	NP8-10GND RED AC 110V-230V	667606
Illuminated projecting button	Red, AC/DC 24V LED	1 NO	NP8-10GND RED AC/DC 24V	667301
Illuminated projecting button	Green, AC 110V-220V LED	1 NO	NP8-10GND GRN AC 110V-220V	667310
Illuminated projecting button	Green, AC 110V-230V LED	1 NO	NP8-10GND GRN AC 110V-230V	667605
Illuminated projecting button	Green, AC/DC 24V LED	1 NO	NP8-10GND GRN AC/DC 24V	667300
Illuminated projecting button	Yellow, AC 110V-220V LED	1 NO	NP8-10GND YEL AC 110V-220V	667332
Illuminated projecting button	Yellow, AC 110V-230V LED	1 NO	NP8-10GND YEL AC 110V-230V	667619
Mushroom button	Red, Φ40mm	1 NO	NP8-10M/1 RED	667263
Mushroom button	Green, Φ40mm	1 NO	NP8-10M/1 GRN	667262
Mushroom button	Black, Φ40mm	1 NO	NP8-10M/1 BLK	578935
Mushroom button	Red, Φ60mm	1 NO	NP8-10M/2 RED	578656
Mushroom button	Green, Φ60mm	1 NO	NP8-10M/2 GRN	578657
Illuminated mushroom button	White, Φ40mm, AC 110V-220V LED	1 NO	NP8-10MD/1 WHT AC 110V-220V	578664
Illuminated mushroom button	White, Φ40mm, AC 110V-230V LED	1 NO	NP8-10MD/1 WHT AC 110V-230V	667645
Illuminated mushroom button	Red, Φ40mm, AC 110V-220V LED	1 NO	NP8-10MD/1 RED AC 110V-220V	667283
Illuminated mushroom button	Red, Φ40mm, AC 110V-230V LED	1 NO	NP8-10MD/1 RED AC 110V-230V	667596

Type	Color or Function	Contact	Model Description	Code
Illuminated mushroom button	Red, □40mm, AC/DC 24V LED	1 NO	NP8-10MD/1 RED AC/DC 24V	667273
Illuminated mushroom button	Green, □40mm, AC 110V-220V LED	1 NO	NP8-10MD/1 GRN AC 110V-220V	667282
Illuminated mushroom button	Green, □40mm, AC 110V-230V LED	1 NO	NP8-10MD/1 GRN AC 110V-230V	667595
Illuminated mushroom button	Green, □40mm, AC/DC 24V LED	1 NO	NP8-10MD/1 GRN AC/DC 24V	667272
Selector	White, 2-position, latching	1 NO	NP8-10X/21 WHT	578660
Selector	Red, 2-position, latching	1 NO	NP8-10X/21 RED	667221
Selector	Green, 2-position, latching	1 NO	NP8-10X/21 GRN	667220
Selector	Blue, 2-position, latching	1 NO	NP8-10X/21 BLU	578659
Selector	Yellow, 2-position, latching	1 NO	NP8-10X/21 YEL	578658
Selector	Black, 2-position, latching	1 NO	NP8-10X/21 BLK	578661
Selector	White, 2-position, self-return	1 NO	NP8-10X/22 WHT	578775
Selector	Red, 2-position, self-return	1 NO	NP8-10X/22 RED	578741
Selector	Green, 2-position, self-return	1 NO	NP8-10X/22 GRN	578740
Selector	Blue, 2-position, self-return	1 NO	NP8-10X/22 BLU	578778
Selector	Yellow, 2-position, self-return	1 NO	NP8-10X/22 YEL	578777
Selector	Black, 2-position, self-return	1 NO	NP8-10X/22 BLK	578776
Illuminated selector	White, 2-position, latching, AC 110V-220V LED	1 NO	NP8-10XD/21 WHT AC 110V-220V	667330
Illuminated selector	White, 2-position, latching, AC 110V-230V LED	1 NO	NP8-10XD/21 WHT AC 110V-230V	667617
Illuminated selector	White, 2-position, latching, AC/DC 24V LED	1 NO	NP8-10XD/21 WHT AC/DC 24V	578667
Illuminated selector	Red, 2-position, latching, AC 110V-220V LED	1 NO	NP8-10XD/21 RED AC 110V-220V	667201
Illuminated selector	Red, 2-position, latching, AC 110V-230V LED	1 NO	NP8-10XD/21 RED AC 110V-230V	667570
Illuminated selector	Red, 2-position, latching, AC/DC 12V LED	1 NO	NP8-10XD/21 RED AC/DC 12V	667876
Illuminated selector	Red, 2-position, latching, AC/DC 24V LED	1 NO	NP8-10XD/21 RED AC/DC 24V	667189
Illuminated selector	Green, 2-position, latching, AC 110V-220V LED	1 NO	NP8-10XD/21 GRN AC 110V-220V	667200
Illuminated selector	Green, 2-position, latching, AC 110V-230V LED	1 NO	NP8-10XD/21 GRN AC 110V-230V	667569
Illuminated selector	Green, 2-position, latching, AC/DC 12V LED	1 NO	NP8-10XD/21 GRN AC/DC 12V	256842
Illuminated selector	Green, 2-position, latching, AC/DC 24V LED	1 NO	NP8-10XD/21 GRN AC/DC 24V	667188
Illuminated selector	Blue, 2-position, latching, AC 110V-220V LED	1 NO	NP8-10XD/21 BLU AC 110V-220V	578640
Illuminated selector	Blue, 2-position, latching, AC 110V-230V LED	1 NO	NP8-10XD/21 BLU AC 110V-230V	667638
Illuminated selector	Blue, 2-position, latching, AC/DC 24V LED	1 NO	NP8-10XD/21 BLU AC/DC 24V	578666
Illuminated selector	Yellow, 2-position, latching, AC 110V-220V LED	1 NO	NP8-10XD/21 YEL AC 110V-220V	578639
Illuminated selector	Yellow, 2-position, latching, AC 110V-230V LED	1 NO	NP8-10XD/21 YEL AC 110V-230V	667637
Illuminated selector	Yellow, 2-position, latching, AC/DC 24V LED	1 NO	NP8-10XD/21 YEL AC/DC 24V	578665
Illuminated selector	Orange, 2-position, self-return, AC/DC 24V LED	1 NO	NP8-10XD/22 ORG AC/DC 24V	578801
Illuminated selector	Orange, 2-position, self-return, AC 110V-220V LED	1 NO	NP8-10XD/22 ORG AC 110V-220V	578805
Illuminated selector	White, 2-position, self-return, AC/DC 24V LED	1 NO	NP8-10XD/22 WHT AC/DC 24V	578798
Illuminated selector	White, 2-position, self-return, AC 110V-220V LED	1 NO	NP8-10XD/22 WHT AC 110V-220V	578802
Illuminated selector	White, 2-position, self-return, AC 110V-230V LED	1 NO	NP8-10XD/22 WHT AC110V-230V	667677
Illuminated selector	Red, 2-position, self-return, AC/DC 24V LED	1 NO	NP8-10XD/22 RED AC/DC 24V	578685
Illuminated selector	Red, 2-position, self-return, AC 110V-220V LED	1 NO	NP8-10XD/22 RED AC 110V-220V	578713
Illuminated selector	Red, 2-position, self-return, AC 110V-230V LED	1 NO	NP8-10XD/22 RED AC110V-230V	667649
Illuminated selector	Green, 2-position, self-return, AC/DC 24V LED	1 NO	NP8-10XD/22 GRN AC/DC 24V	578684
Illuminated selector	Green, 2-position, self-return, AC 110V-220V LED	1 NO	NP8-10XD/22 GRN AC 110V-220V	578712
Illuminated selector	Green, 2-position, self-return, AC 110V-230V LED	1 NO	NP8-10XD/22 GRN AC110V-230V	667648

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Blue, 2-position, self-return, AC/DC 24V LED	1 NO	NP8-10XD/22 BLU AC/DC 24V	578800
Illuminated selector	Blue, 2-position, self-return, AC 110V-220V LED	1 NO	NP8-10XD/22 BLU AC 110V-220V	578804
Illuminated selector	Blue, 2-position, self-return, AC 110V-230V LED	1 NO	NP8-10XD/22 BLU AC110V-230V	667679
Illuminated selector	Yellow, 2-position, self-return, AC/DC 24V LED	1 NO	NP8-10XD/22 YEL AC/DC 24V	578799
Illuminated selector	Yellow, 2-position, self-return, AC 110V-220V LED	1 NO	NP8-10XD/22 YEL AC 110V-220V	578803
Illuminated selector	Yellow, 2-position, self-return, AC 110V-230V LED	1 NO	NP8-10XD/22 YEL AC110V-230V	667678
Key selector	2-position, latching	1 NO	NP8-10Y/21	578130
Key selector	2-position, self-return	1 NO	NP8-10Y/22	578669
Mushroom button	Red, Φ40mm, latching, turn release	1 NO	NP8-10ZS/1 RED	667212
Mushroom button	Red, Φ60mm, latching, turn release	1 NO	NP8-10ZS/2 RED	667213
Mushroom button	Red, Φ30mm, latching, turn release	1 NO	NP8-10ZS/3 RED	667850
Flush button	White	1 NO+1NC	NP8-11BN WHT	667111
Flush button	Red	1 NO+1NC	NP8-11BN RED	667114
Flush button	Green	1 NO+1NC	NP8-11BN GRN	667113
Flush button	Blue	1 NO+1NC	NP8-11BN BLU	667116
Flush button	Yellow	1 NO+1NC	NP8-11BN YEL	667115
Flush button	Black	1 NO+1NC	NP8-11BN BLK	667112
Illuminated flush button	Orange, AC 110V-220V LED	1 NO+1NC	NP8-11BND ORG AC 110V-220V	667128
Illuminated flush button	Orange, AC/DC 24V LED	1 NO+1NC	NP8-11BND ORG AC/DC 24V	667122
Illuminated flush button	White, AC 110V-220V LED	1 NO+1NC	NP8-11BND WHT AC 110V-220V	667127
Illuminated flush button	White, AC 110V-230V LED	1 NO+1NC	NP8-11BND WHT AC 110V-230V	667551
Illuminated flush button	White, AC/DC 24V LED	1 NO+1NC	NP8-11BND WHT AC/DC 24V	667117
Illuminated flush button	White, AC/DC 36V LED	1 NO+1NC	NP8-11BND WHT AC/DC 36V	578947
Illuminated flush button	Red, AC 110V-220V LED	1 NO+1NC	NP8-11BND RED AC 110V-220V	667124
Illuminated flush button	Red, AC 110V-230V LED	1 NO+1NC	NP8-11BND RED AC 110V-230V	667548
Illuminated flush button	Red, AC/DC 24V LED	1 NO+1NC	NP8-11BND RED AC/DC 24V	667119
Illuminated flush button	Red, AC/DC 36V LED	1 NO+1NC	NP8-11BND RED AC/DC 36V	578950
Illuminated flush button	Green, AC 110V-220V LED	1 NO+1NC	NP8-11BND GRN AC 110V-220V	667123
Illuminated flush button	Green, AC 110V-230V LED	1 NO+1NC	NP8-11BND GRN AC 110V-230V	667547
Illuminated flush button	Green, AC/DC 24V LED	1 NO+1NC	NP8-11BND GRN AC/DC 24V	667118
Illuminated flush button	Green, AC/DC 36V LED	1 NO+1NC	NP8-11BND GRN AC/DC 36V	578948
Illuminated flush button	Blue, AC 110V-220V LED	1 NO+1NC	NP8-11BND BLU AC 110V-220V	667126
Illuminated flush button	Blue, AC 110V-230V LED	1 NO+1NC	NP8-11BND BLU AC 110V-230V	667550
Illuminated flush button	Blue, AC/DC 24V LED	1 NO+1NC	NP8-11BND BLU AC/DC 24V	667121
Illuminated flush button	Blue, AC/DC 36V LED	1 NO+1NC	NP8-11BND BLU AC/DC 36V	578951
Illuminated flush button	Yellow, AC 110V-220V LED	1 NO+1NC	NP8-11BND YEL AC 110V-220V	667125
Illuminated flush button	Yellow, AC 110V-230V LED	1 NO+1NC	NP8-11BND YEL AC 110V-230V	667549
Illuminated flush button	Yellow, AC/DC 24V LED	1 NO+1NC	NP8-11BND YEL AC/DC 24V	667120
Illuminated flush button	Yellow, AC/DC 36V LED	1 NO+1NC	NP8-11BND YEL AC/DC 36V	578949
Projecting button	Red	1 NO+1NC	NP8-11GN RED	667110
Projecting button	Green	1 NO+1NC	NP8-11GN GRN	667109
Illuminated projecting button	White, AC 110V-220V LED	1 NO+1NC	NP8-11GND WHT AC 110V-220V	667331
Illuminated projecting button	White, AC 110V-230V LED	1 NO+1NC	NP8-11GND WHT AC 110V-230V	667618
Illuminated projecting button	Red, AC 110V-220V LED	1 NO+1NC	NP8-11GND RED AC 110V-220V	667313

Type	Color or Function	Contact	Model Description	Code
Illuminated projecting button	Red, AC 110V-230V LED	1 NO+1NC	NP8-11GND RED AC 110V-230V	667608
Illuminated projecting button	Red, AC/DC 24V LED	1 NO+1NC	NP8-11GND RED AC/DC 24V	667303
Illuminated projecting button	Green, AC 110V-220V LED	1 NO+1NC	NP8-11GND GRN AC 110V-220V	667312
Illuminated projecting button	Green, AC 110V-230V LED	1 NO+1NC	NP8-11GND GRN AC 110V-230V	667607
Illuminated projecting button	Green, AC/DC 24V LED	1 NO+1NC	NP8-11GND GRN AC/DC 24V	667302
Mushroom button	Red, Φ40mm	1 NO+1NC	NP8-11M/1 RED	667265
Mushroom button	Green, Φ40mm	1 NO+1NC	NP8-11M/1 GRN	667264
Mushroom button	Yellow, Φ40mm	1 NO+1NC	NP8-11M/1 YEL	578938
Mushroom button	Black, Φ40mm	1 NO+1NC	NP8-11M/1 BLK	578946
Mushroom button	White, Φ60mm	1 NO+1NC	NP8-11M/2 WHT	578940
Mushroom button	Red, Φ60mm	1 NO+1NC	NP8-11M/2 RED	578942
Mushroom button	Green, Φ60mm	1 NO+1NC	NP8-11M/2 GRN	578941
Mushroom button	Blue, Φ60mm	1 NO+1NC	NP8-11M/2 BLU	578944
Mushroom button	Yellow, Φ60mm	1 NO+1NC	NP8-11M/2 YEL	578943
Illuminated mushroom button	Red, Φ40mm, AC 110V-220V LED	1 NO+1NC	NP8-11MD/1 RED AC 110V-220V	667285
Illuminated mushroom button	Red, Φ40mm, AC 110V-230V LED	1 NO+1NC	NP8-11MD/1 RED AC 110V-230V	667598
Illuminated mushroom button	Red, Φ40mm, AC/DC 24V LED	1 NO+1NC	NP8-11MD/1 RED AC/DC 24V	667275
Illuminated mushroom button	Green, Φ40mm, AC 110V-220V LED	1 NO+1NC	NP8-11MD/1 GRN AC 110V-220V	667284
Illuminated mushroom button	Green, Φ40mm, AC 110V-230V LED	1 NO+1NC	NP8-11MD/1 GRN AC 110V-230V	667597
Illuminated mushroom button	Green, Φ40mm, AC/DC 24V LED	1 NO+1NC	NP8-11MD/1 GRN AC/DC 24V	667274
Illuminated mushroom button	Green, Φ40mm, AC/DC 36V LED	1 NO+1NC	NP8-11MD/1 GRN AC/DC 36V	667378
Illuminated mushroom button	Yellow, Φ40mm, AC/DC 24V LED	1 NO+1NC	NP8-11MD/1 yellow AC/DC 24V	522614
Illuminated mushroom button	Red, Φ60mm, AC 110V-220V LED	1 NO+1NC	NP8-11MD/2 RED AC 110V-220V	667362
Illuminated mushroom button	Red, Φ60mm, AC 110V-230V LED	1 NO+1NC	NP8-11MD/2 RED AC 110V-230V	667631
Illuminated mushroom button	Green, Φ60mm, AC 110V-220V LED	1 NO+1NC	NP8-11MD/2 GRN AC 110V-220V	667363
Illuminated mushroom button	Red, Φ60mm, AC 110V-230V LED	1 NO+1NC	NP8-11MD/2 GRN AC 110V-230V	667632
Illuminated mushroom button	Green, Φ60mm, AC 110V-230V LED	1 NO+1NC	NP8-11S BK/WH	210408
Double headed button	1 black and 1 white flush button	1 NO+1NC	NP8-11S	667178
Double headed button	1 green and 1 red flush button	1 NO+1NC	NP8-11SD ORG AC 110V-220V	667177
Illuminated double headed button	1 green and 1 red flush button, 1 orange pilot light, AC 110V-220V LED	1 NO+1NC	NP8-11SD ORG AC 110V-230V	293451
Illuminated double headed button	1 green and 1 red flush button, 1 orange pilot light, AC 110-230V LED	1 NO+1NC	NP8-11SD ORG AC/DC 24V	667171
Illuminated double headed button	1 green and 1 red flush button, 1 orange pilot light, AC/DC 24V LED	1 NO+1NC	NP8-11SD WHT AC 110V-220V	667172
Illuminated double headed button	1 green and 1 red flush button, 1 white pilot light, AC 110V-220V LED	1 NO+1NC	NP8-11SD WHT AC 110V-230V	667562
Illuminated double headed button	1 green and 1 red flush button, 1 white pilot light, AC 110V-230V LED	1 NO+1NC	NP8-11SD WHT AC/DC 24V	667166
Illuminated double headed button	1 green and 1 red flush button, 1 white pilot light, AC/DC 24V LED	1 NO+1NC	NP8-11SD RED AC 110V-220V	667174
Illuminated double headed button	1 green and 1 red flush button, 1 red pilot light, AC 110V-220V LED	1 NO+1NC	NP8-11SD RED AC 110V-230V	667564
Illuminated double headed button	1 green and 1 red flush button, 1 red pilot light, AC 110V-230V LED	1 NO+1NC	NP8-11SD RED AC/DC 24V	667168
Illuminated double headed button	1 green and 1 red flush button, 1 red pilot light, AC/DC 24V LED	1 NO+1NC	NP8-11SD GRN AC 110V-220V	667173
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC 110V-220V LED	1 NO+1NC	NP8-11SD GRN AC 110V-230V	667563
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC 110V-230V LED	1 NO+1NC	NP8-11SD GRN AC/DC 24V	667167
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC/DC 24V LED	1 NO+1NC	NP8-11SD BLU AC 110V-220V	667176
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC 110V-220V LED	1 NO+1NC	NP8-11SD BLU AC 110V-230V	667566
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC 110V-230V LED	1 NO+1NC	NP8-11SD BLU AC/DC 24V	667170
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC/DC 24V LED	1 NO+1NC	NP8-11SD YEL AC 110V-220V	667175
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC 110V-220V LED	1 NO+1NC		

Type	Color or Function	Contact	Model Description	Code
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC 110V-230V LED	1 NO+1NC	NP8-11SD YEL AC 110V-230V	667565
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC/DC 24V LED	1 NO+1NC	NP8-11SD YEL AC/DC 24V	667169
Selector	White, 2-position, latching	1 NO+1NC	NP8-11X/21 WHT	667131
Selector	Red, 2-position, latching	1 NO+1NC	NP8-11X/21 RED	667133
Selector	Green, 2-position, latching	1 NO+1NC	NP8-11X/21 GRN	667132
Selector	Blue, 2-position, latching	1 NO+1NC	NP8-11X/21 BLU	667135
Selector	Yellow, 2-position, latching	1 NO+1NC	NP8-11X/21 YEL	667134
Selector	Black, 2-position, latching	1 NO+1NC	NP8-11X/21 BLK	578129
Selector	White, 2-position, self-return	1 NO+1NC	NP8-11X/22 WHT	578779
Selector	Red, 2-position, self-return	1 NO+1NC	NP8-11X/22 RED	578743
Selector	Green, 2-position, self-return	1 NO+1NC	NP8-11X/22 GRN	578742
Selector	Blue, 2-position, self-return	1 NO+1NC	NP8-11X/22 BLU	578781
Selector	Yellow, 2-position, self-return	1 NO+1NC	NP8-11X/22 YEL	578780
Selector	Black, 2-position, self-return	1 NO+1NC	NP8-11X/22 BLK	578766
Selector	White, 3-position, latching	1 NO+1NC	NP8-11X/31 WHT	667136
Selector	Red, 3-position, latching	1 NO+1NC	NP8-11X/31 RED	667139
Selector	Green, 3-position, latching	1 NO+1NC	NP8-11X/31 GRN	667138
Selector	Blue, 3-position, latching	1 NO+1NC	NP8-11X/31 BLU	667141
Selector	Yellow, 3-position, latching	1 NO+1NC	NP8-11X/31 YEL	667140
Selector	Black, 3-position, latching	1 NO+1NC	NP8-11X/31 BLK	667137
Selector	White, 3-position, self-return	1 NO+1NC	NP8-11X/33 WHT	578830
Selector	Red, 3-position, self-return	1 NO+1NC	NP8-11X/33 RED	578751
Selector	Green, 3-position, self-return	1 NO+1NC	NP8-11X/33 GRN	578748
Selector	Blue, 3-position, self-return	1 NO+1NC	NP8-11X/33 BLU	578836
Selector	Yellow, 3-position, self-return	1 NO+1NC	NP8-11X/33 YEL	578833
Selector	Black, 3-position, self-return	1 NO+1NC	NP8-11X/33 BLK	667372
Selector	White, 3-position, latching on the left, self-return on the right	1 NO+1NC	NP8-11X/37 WHT	578831
Selector	Red, 3-position, latching on the left, self-return on the right	1 NO+1NC	NP8-11X/37 RED	578752
Selector	Green, 3-position, latching on the left, self-return on the right	1 NO+1NC	NP8-11X/37 GRN	578749
Selector	Blue, 3-position, latching on the left, self-return on the right	1 NO+1NC	NP8-11X/37 BLU	578837
Selector	Yellow, 3-position, latching on the left, self-return on the right	1 NO+1NC	NP8-11X/37 YEL	578834
Selector	Black, 3-position, latching on the left, self-return on the right	1 NO+1NC	NP8-11X/37 BLK	667861
Selector	White, 3-position, latching on the right, self-return on the left	1 NO+1NC	NP8-11X/38 WHT	578832
Selector	Red, 3-position, latching on the right, self-return on the left	1 NO+1NC	NP8-11X/38 RED	578753
Selector	Green, 3-position, latching on the right, self-return on the left	1 NO+1NC	NP8-11X/38 GRN	578750
Selector	Blue, 3-position, latching on the right, self-return on the left	1 NO+1NC	NP8-11X/38 BLU	578838
Selector	Yellow, 3-position, latching on the right, self-return on the left	1 NO+1NC	NP8-11X/38 YEL	578835
Selector	Black, 3-position, latching on the right, self-return on the left	1 NO+1NC	NP8-11X/38 BLK	578770
Illuminated selector	Orange, 2-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/21 ORG AC 110V-220V	667153
Illuminated selector	Orange, 2-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/21 ORG AC/DC 24V	667147
Illuminated selector	White, 2-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/21 WHT AC 110V-220V	667148
Illuminated selector	White, 2-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/21 WHT AC 110V-230V	667552
Illuminated selector	White, 2-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/21 WHT AC/DC 24V	667142
Illuminated selector	Green, 2-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/21 WHT AC/DC 36V	578953

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Red, 2-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/21 RED AC 110V-220V	667150
Illuminated selector	Red, 2-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/21 RED AC 110V-230V	667554
Illuminated selector	Red, 2-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/21 RED AC/DC 24V	667144
Illuminated selector	Red, 2-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/21 RED AC/DC 36V	578954
Illuminated selector	Green, 2-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/21 GRN AC 110V-220V	667149
Illuminated selector	Green, 2-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/21 GRN AC 110V-230V	667553
Illuminated selector	Green, 2-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/21 GRN AC/DC 24V	667143
Illuminated selector	Green, 2-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/21 GRN AC/DC 36V	578952
Illuminated selector	Blue, 2-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/21 BLU AC 110V-220V	667152
Illuminated selector	Blue, 2-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/21 BLU AC 110V-230V	667556
Illuminated selector	Blue, 2-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/21 BLU AC/DC 24V	667146
Illuminated selector	Blue, 2-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/21 BLU AC/DC 36V	578957
Illuminated selector	Yellow, 2-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/21 YEL AC 110V-220V	667151
Illuminated selector	Yellow, 2-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/21 YEL AC 110V-230V	667555
Illuminated selector	Yelow, 2-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/21 YEL AC/DC 24V	667145
Illuminated selector	Yellow, 2-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/21 YEL AC/DC 36V	578956
Illuminated selector	Orange, 2-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/22 ORG AC/DC 24V	578809
Illuminated selector	Orange, 2-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/22 ORG AC 110V-220V	578813
Illuminated selector	White, 2-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/22 WHT AC/DC 24V	578806
Illuminated selector	White, 2-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/22 WHT AC 110V-220V	578810
Illuminated selector	White, 2-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/22 WHT AC110V-230V	667680
Illuminated selector	Red, 2-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/22 RED AC/DC 24V	578687
Illuminated selector	Red, 2-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/22 RED AC 110V-220V	578715
Illuminated selector	Red, 2-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/22 RED AC110V-230V	667651
Illuminated selector	Green, 2-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/22 GRN AC/DC 24V	578686
Illuminated selector	Green, 2-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/22 GRN AC 110V-220V	578714
Illuminated selector	Green, 2-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/22 GRN AC110V-230V	667650
Illuminated selector	Blue, 2-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/22 BLU AC/DC 24V	578808
Illuminated selector	Blue, 2-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/22 BLU AC 110V-220V	578812
Illuminated selector	Blue, 2-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/22 BLU AC110V-230V	667682
Illuminated selector	Yellow, 2-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/22 YEL AC/DC 24V	578807
Illuminated selector	Yellow, 2-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/22 YEL AC 110V-220V	578811
Illuminated selector	Yellow, 2-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/22 YEL AC110V-230V	667681
Illuminated selector	Orange, 3-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/31 ORG AC 110V-220V	667165
Illuminated selector	Orange, 3-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/31 ORG AC/DC 24V	667159
Illuminated selector	White, 3-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/31 WHT AC 110V-220V	667160
Illuminated selector	White, 3-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/31 WHT AC 110V-230V	667557
Illuminated selector	White, 3-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/31 WHT AC/DC 24V	667154
Illuminated selector	White, 3-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/31 WHT AC/DC 36V	578958
Illuminated selector	Red, 3-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/31 RED AC 110V-220V	667162
Illuminated selector	Red, 3-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/31 RED AC 110V-230V	667559
Illuminated selector	Red, 3-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/31 RED AC/DC 24V	667156
Illuminated selector	Red, 3-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/31 RED AC/DC 36V	578959
Illuminated selector	Green, 3-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/31 GRN AC 110V-220V	667161

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Green, 3-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/31 GRN AC 110V-230V	667558
Illuminated selector	Green, 3-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/31 GRN AC/DC 24V	667155
Illuminated selector	Green, 3-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/31 GRN AC/DC 36V	578961
Illuminated selector	Blue, 3-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/31 BLU AC 110V-220V	667164
Illuminated selector	Blue, 3-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/31 BLU AC 110V-230V	667561
Illuminated selector	Blue, 3-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/31 BLU AC/DC 24V	667158
Illuminated selector	Blue, 3-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/31 BLU AC/DC 36V	578962
Illuminated selector	Yellow, 3-position, latching, AC 110V-220V LED	1 NO+1NC	NP8-11XD/31 YEL AC 110V-220V	667163
Illuminated selector	Yellow, 3-position, latching, AC 110V-230V LED	1 NO+1NC	NP8-11XD/31 YEL AC 110V-230V	667560
Illuminated selector	Yellow, 3-position, latching, AC/DC 24V LED	1 NO+1NC	NP8-11XD/31 YEL AC/DC 24V	667157
Illuminated selector	Yellow, 3-position, latching, AC/DC 36V LED	1 NO+1NC	NP8-11XD/31 YEL AC/DC 36V	578960
Illuminated selector	Orange, 3-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/33 ORG AC/DC 24V	578869
Illuminated selector	Orange, 3-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/33 ORG AC 110V-220V	578881
Illuminated selector	White, 3-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/33 WHT AC/DC 24V	578860
Illuminated selector	White, 3-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/33 WHT AC 110V-220V	578872
Illuminated selector	White, 3-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/33 WHT AC110V-230V	667689
Illuminated selector	Red, 3-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/33 RED AC/DC 24V	578695
Illuminated selector	Red, 3-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/33 RED AC 110V-220V	578723
Illuminated selector	Red, 3-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/33 RED AC110V-230V	667659
Illuminated selector	Green, 3-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/33 GRN AC/DC 24V	578692
Illuminated selector	Green, 3-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/33 GRN AC 110V-220V	578720
Illuminated selector	Green, 3-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/33 GRN AC110V-230V	667656
Illuminated selector	Blue, 3-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/33 BLU AC/DC 24V	578866
Illuminated selector	Blue, 3-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/33 BLU AC 110V-220V	578878
Illuminated selector	Blue, 3-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/33 BLU AC110V-230V	667695
Illuminated selector	Yellow, 3-position, self-return, AC/DC 24V LED	1 NO+1NC	NP8-11XD/33 YEL AC/DC 24V	578863
Illuminated selector	Yellow, 3-position, self-return, AC 110V-220V LED	1 NO+1NC	NP8-11XD/33 YEL AC 110V-220V	578875
Illuminated selector	Yellow, 3-position, self-return, AC 110V-230V LED	1 NO+1NC	NP8-11XD/33 YEL AC110V-230V	667692
Illuminated selector	Orange, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	1 NO+1NC	NP8-11XD/37 ORG AC/DC 24V	578870
Illuminated selector	Orange, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	1 NO+1NC	NP8-11XD/37 ORG AC 110V-220V	578882
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	1 NO+1NC	NP8-11XD/37 WHT AC/DC 24V	578861
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	1 NO+1NC	NP8-11XD/37 WHT AC 110V-220V	578873
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	1 NO+1NC	NP8-11XD/37 WHT AC110V-230V	667690
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	1 NO+1NC	NP8-11XD/37 RED AC/DC 24V	578696
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	1 NO+1NC	NP8-11XD/37 RED AC 110V-220V	578724
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	1 NO+1NC	NP8-11XD/37 RED AC110V-230V	667660
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	1 NO+1NC	NP8-11XD/37 GRN AC/DC 24V	578693
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	1 NO+1NC	NP8-11XD/37 GRN AC 110V-220V	578721
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	1 NO+1NC	NP8-11XD/37 GRN AC110V-230V	667657
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	1 NO+1NC	NP8-11XD/37 BLU AC/DC 24V	578867
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	1 NO+1NC	NP8-11XD/37 BLU AC 110V-220V	578879
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	1 NO+1NC	NP8-11XD/37 BLU AC110V-230V	667696
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	1 NO+1NC	NP8-11XD/37 YEL AC/DC 24V	578864
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	1 NO+1NC	NP8-11XD/37 YEL AC 110V-220V	578876

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	1 NO+1NC	NP8-11XD/37 YEL AC110V-230V	667693
Illuminated selector	Orange, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	1 NO+1NC	NP8-11XD/38 ORG AC/DC 24V	578871
Illuminated selector	Orange, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	1 NO+1NC	NP8-11XD/38 ORG AC 110V-220V	578883
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	1 NO+1NC	NP8-11XD/38 WHT AC/DC 24V	578862
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	1 NO+1NC	NP8-11XD/38 WHT AC 110V-220V	578874
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	1 NO+1NC	NP8-11XD/38 WHT AC110V-230V	667691
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	1 NO+1NC	NP8-11XD/38 RED AC/DC 24V	578697
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	1 NO+1NC	NP8-11XD/38 RED AC 110V-220V	578725
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	1 NO+1NC	NP8-11XD/38 RED AC110V-230V	667661
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	1 NO+1NC	NP8-11XD/38 GRN AC/DC 24V	578694
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	1 NO+1NC	NP8-11XD/38 GRN AC 110V-220V	578722
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	1 NO+1NC	NP8-11XD/38 GRN AC110V-230V	667658
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	1 NO+1NC	NP8-11XD/38 BLU AC/DC 24V	578868
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	1 NO+1NC	NP8-11XD/38 BLU AC 110V-220V	578880
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	1 NO+1NC	NP8-11XD/38 BLU AC110V-230V	667697
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	1 NO+1NC	NP8-11XD/38 YEL AC/DC 24V	578865
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	1 NO+1NC	NP8-11XD/38 YEL AC 110V-220V	578877
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	1 NO+1NC	NP8-11XD/38 YEL AC110V-230V	667694
Key selector	2-position, latching	1 NO+1NC	NP8-11Y/21	667180
Key selector	2-position, self-return	1 NO+1NC	NP8-11Y/22	578670
Key selector	3-position, latching	1 NO+1NC	NP8-11Y/31	667183
Key selector	3-position, self-return	1 NO+1NC	NP8-11Y/33	578673
Key selector	3-position, latching on the left, self-return on the right	1 NO+1NC	NP8-11Y/37	578674
Key selector	3-position, latching on the right, self-return on the left	1 NO+1NC	NP8-11Y/38	578675
Mushroom button	Red, Φ40mm, latching, turn release	1 NO+1NC	NP8-11ZS/1 RED	667129
Mushroom button	Red, Φ60mm, latching, turn release	1 NO+1NC	NP8-11ZS/2 RED	667130
Mushroom button	Red, Φ30mm, latching, turn release	1 NO+1NC	NP8-11ZS/3 RED	667854
Flush button	White	1 NO+2NC	NP8-12BN WHT	368581
Flush button	Red	1 NO+2NC	NP8-12BN RED	368584
Flush button	Green	1 NO+2NC	NP8-12BN GRN	368583
Flush button	Blue	1 NO+2NC	NP8-12BN BLU	368586
Flush button	Yellow	1 NO+2NC	NP8-12BN YEL	368585
Flush button	Black	1 NO+2NC	NP8-12BN BLK	368582
Mushroom button	Red, Φ40mm	1 NO+2NC	NP8-12M/1 RED	667370
Mushroom button	Green, Φ40mm	1 NO+2NC	NP8-12M/1 GRN	667369
Flush button	White	2 NO	NP8-20BN WHT	667867
Flush button	Red	2 NO	NP8-20BN RED	667237
Flush button	Green	2 NO	NP8-20BN GRN	667236
Flush button	Blue	2 NO	NP8-20BN BLU	578932
Flush button	Yellow	2 NO	NP8-20BN YEL	667334
Flush button	Black	2 NO	NP8-20BN BLK	667868
Illuminated flush button	Orange, AC 110V-220V LED	2 NO	NP8-20BND ORG AC 110V-220V	578653
Illuminated flush button	Orange, AC/DC 24V LED	2 NO	NP8-20BND ORG AC/DC 24V	578650

Type	Color or Function	Contact	Model Description	Code
Illuminated flush button	White, AC 110V-220V LED	2 NO	NP8-20BND WHT AC 110V-220V	578652
Illuminated flush button	White, AC 110V-230V LED	2 NO	NP8-20BND WHT AC 110V-230V	667642
Illuminated flush button	White, AC/DC 24V LED	2 NO	NP8-20BND WHT AC/DC 24V	578649
Illuminated flush button	Red, AC 110V-220V LED	2 NO	NP8-20BND RED AC 110V-220V	667259
Illuminated flush button	Red, AC 110V-230V LED	2 NO	NP8-20BND RED AC 110V-230V	667592
Illuminated flush button	Red, AC/DC 24V LED	2 NO	NP8-20BND RED AC/DC 24V	667245
Illuminated flush button	Green, AC 110V-220V LED	2 NO	NP8-20BND GRN AC 110V-220V	667258
Illuminated flush button	Green, AC 110V-230V LED	2 NO	NP8-20BND GRN AC 110V-230V	667591
Illuminated flush button	Green, AC/DC 24V LED	2 NO	NP8-20BND GRN AC/DC 24V	667244
Illuminated flush button	Blue, AC 110V-220V LED	2 NO	NP8-20BND BLU AC 110V-220V	578651
Illuminated flush button	Blue, AC 110V-230V LED	2 NO	NP8-20BND BLU AC 110V-230V	667641
Illuminated flush button	Blue, AC/DC 24V LED	2 NO	NP8-20BND BLU AC/DC 24V	578648
Illuminated flush button	Yellow, AC 110V-220V LED	2 NO	NP8-20BND YEL AC 110V-220V	667336
Illuminated flush button	Yellow, AC 110V-230V LED	2 NO	NP8-20BND YEL AC 110V-230V	667620
Illuminated flush button	Yellow, AC/DC 24V LED	2 NO	NP8-20BND YEL AC/DC 24V	667335
Projecting button	Red	2 NO	NP8-20GN RED	667297
Projecting button	Green	2 NO	NP8-20GN GRN	667296
Illuminated projecting button	Red, AC 110V-220V LED	2 NO	NP8-20GND RED AC 110V-220V	667317
Illuminated projecting button	Red, AC 110V-230V LED	2 NO	NP8-20GND RED AC 110V-230V	667612
Illuminated projecting button	Red, AC/DC 24V LED	2 NO	NP8-20GND RED AC/DC 24V	667307
Illuminated projecting button	Green, AC 110V-220V LED	2 NO	NP8-20GND GRN AC 110V-220V	667316
Illuminated projecting button	Green, AC 110V-230V LED	2 NO	NP8-20GND GRN AC 110V-230V	667611
Illuminated projecting button	Green, AC/DC 24V LED	2 NO	NP8-20GND GRN AC/DC 24V	667306
Mushroom button	Red, Φ40mm	2 NO	NP8-20M/1 RED	667269
Mushroom button	Green, Φ40mm	2 NO	NP8-20M/1 GRN	667268
Illuminated mushroom button	Red, Φ40mm, AC 110V-220V LED	2 NO	NP8-20MD/1 RED AC 110V-220V	667289
Illuminated mushroom button	Red, Φ40mm, AC 110V-230V LED	2 NO	NP8-20MD/1 RED AC 110V-230V	667602
Illuminated mushroom button	Red, Φ40mm, AC/DC 24V LED	2 NO	NP8-20MD/1 RED AC/DC 24V	667279
Illuminated mushroom button	Green, Φ40mm, AC 110V-220V LED	2 NO	NP8-20MD/1 GRN AC 110V-220V	667288
Illuminated mushroom button	Green, Φ40mm, AC 110V-230V LED	2 NO	NP8-20MD/1 GRN AC 110V-230V	667601
Illuminated mushroom button	Green, Φ40mm, AC/DC 24V LED	2 NO	NP8-20MD/1 GRN AC/DC 24V	667278
Illuminated mushroom button	Red, Φ60mm, AC 110V-220V LED	2 NO	NP8-20MD/2 RED AC 110V-220V	667364
Illuminated mushroom button	Red, Φ60mm, AC 110V-230V LED	2 NO	NP8-20MD/2 RED AC 110V-230V	667633
Illuminated mushroom button	Green, Φ60mm, AC 110V-220V LED	2 NO	NP8-20MD/2 GRN AC 110V-220V	667365
Illuminated mushroom button	Green, Φ60mm, AC 110V-230V LED	2 NO	NP8-20MD/2 GRN AC 110V-230V	667634
Double headed button	1 green and 1 red flush button	2 NO	NP8-20S	667319
Illuminated double headed button	1 green and 1 red flush button, 1 orange pilot light, AC 110V-220V LED	2 NO	NP8-20SD ORG AC 110V-220V	667345
Illuminated double headed button	1 green and 1 red flush button, 1 orange pilot light, AC/DC 24V LED	2 NO	NP8-20SD ORG AC/DC 24V	667339
Illuminated double headed button	1 green and 1 red flush button, 1 white pilot light, AC 110V-220V LED	2 NO	NP8-20SD WHT AC 110V-220V	667344
Illuminated double headed button	1 green and 1 red flush button, 1 white pilot light, AC 110V-230V LED	2 NO	NP8-20SD WHT AC 110V-230V	667621
Illuminated double headed button	1 green and 1 red flush button, 1 white pilot light, AC/DC 24V LED	2 NO	NP8-20SD WHT AC/DC 24V	667338
Illuminated double headed button	1 green and 1 red flush button, 1 red pilot light, AC 110V-220V LED	2 NO	NP8-20SD RED AC 110V-220V	667346
Illuminated double headed button	1 green and 1 red flush button, 1 red pilot light, AC 110V-230V LED	2 NO	NP8-20SD RED AC 110V-230V	667622
Illuminated double headed button	1 green and 1 red flush button, 1 red pilot light, AC/DC 24V LED	2 NO	NP8-20SD RED AC/DC 24V	667340

Type	Color or Function	Contact	Model Description	Code
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC 110V-220V LED	2 NO	NP8-20SD GRN AC 110V-220V	667349
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC 110V-230V LED	2 NO	NP8-20SD GRN AC 110V-230V	667625
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC/DC 24V LED	2 NO	NP8-20SD GRN AC/DC 24V	667343
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC 110V-220V LED	2 NO	NP8-20SD BLU AC 110V-220V	667348
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC 110V-230V LED	2 NO	NP8-20SD BLU AC 110V-230V	667624
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC/DC 24V LED	2 NO	NP8-20SD BLU AC/DC 24V	667342
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC 110V-220V LED	2 NO	NP8-20SD YEL AC 110V-220V	667347
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC 110V-230V LED	2 NO	NP8-20SD YEL AC 110V-230V	667623
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC/DC 24V LED	2 NO	NP8-20SD YEL AC/DC 24V	667341
Selector	White, 2-position, latching	2 NO	NP8-20X/21 WHT	578933
Selector	Red, 2-position, latching	2 NO	NP8-20X/21 RED	667225
Selector	Green, 2-position, latching	2 NO	NP8-20X/21 GRN	667224
Selector	Yellow, 2-position, latching	2 NO	NP8-20X/21 YEL	667721
Selector	Black, 2-position, latching	2 NO	NP8-20X/21 BLK	578937
Selector	White, 2-position, self-return	2 NO	NP8-20X/22 WHT	578786
Selector	Red, 2-position, self-return	2 NO	NP8-20X/22 RED	578747
Selector	Green, 2-position, self-return	2 NO	NP8-20X/22 GRN	578746
Selector	Blue, 2-position, self-return	2 NO	NP8-20X/22 BLU	578789
Selector	Yellow, 2-position, self-return	2 NO	NP8-20X/22 YEL	578788
Selector	Black, 2-position, self-return	2 NO	NP8-20X/22 BLK	578787
Selector	White, 3-position, latching	2 NO	NP8-20X/31 WHT	578934
Selector	Red, 3-position, latching	2 NO	NP8-20X/31 RED	667229
Selector	Green, 3-position, latching	2 NO	NP8-20X/31 GRN	667228
Selector	Blue, 3-position, latching	2 NO	NP8-20X/31 BLU	578939
Selector	Yellow, 3-position, latching	2 NO	NP8-20X/31 YEL	667368
Selector	Black, 3-position, latching	2 NO	NP8-20X/31 BLK	578131
Selector	White, 3-position, self-return	2 NO	NP8-20X/33 WHT	578851
Selector	Red, 3-position, self-return	2 NO	NP8-20X/33 RED	578763
Selector	Green, 3-position, self-return	2 NO	NP8-20X/33 GRN	578760
Selector	Blue, 3-position, self-return	2 NO	NP8-20X/33 BLU	578857
Selector	Yellow, 3-position, self-return	2 NO	NP8-20X/33 YEL	578854
Selector	Black, 3-position, self-return	2 NO	NP8-20X/33 BLK	578767
Selector	White, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 WHT	578852
Selector	Red, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 RED	578764
Selector	Green, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 GRN	578761
Selector	Blue, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 BLU	578858
Selector	Yellow, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 YEL	578855
Selector	Black, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 BLK	578768
Selector	White, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 WHT	578853
Selector	Red, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 RED	578765
Selector	Green, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 GRN	578762
Selector	Blue, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 BLU	578859
Selector	Yellow, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 YEL	578856
Selector	Black, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 BLK	578769

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Red, 2-position, latching, AC 110V-220V LED	2 NO	NP8-20XD/21 RED AC 110V-220V	667205
Illuminated selector	Red, 2-position, latching, AC 110V-230V LED	2 NO	NP8-20XD/21 RED AC 110V-230V	667574
Illuminated selector	Red, 2-position, latching, AC/DC 24V LED	2 NO	NP8-20XD/21 RED AC/DC 24V	667193
Illuminated selector	Green, 2-position, latching, AC 110V-220V LED	2 NO	NP8-20XD/21 GRN AC 110V-220V	667204
Illuminated selector	Green, 2-position, latching, AC 110V-230V LED	2 NO	NP8-20XD/21 GRN AC 110V-230V	667573
Illuminated selector	Green, 2-position, latching, AC/DC 24V LED	2 NO	NP8-20XD/21 GRN AC/DC 24V	667192
Illuminated selector	Green, 2-position, latching, AC/DC 36V LED	2 NO	NP8-20XD/21 GRN AC/DC 36V	578955
Illuminated selector	Orange, 2-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/22 ORG AC/DC 24V	578825
Illuminated selector	Orange, 2-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/22 ORG AC 110V-220V	578829
Illuminated selector	White, 2-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/22 WHT AC/DC 24V	578822
Illuminated selector	White, 2-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/22 WHT AC 110V-220V	578826
Illuminated selector	White, 2-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/22 WHT AC110V-230V	667686
Illuminated selector	Red, 2-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/22 RED AC/DC 24V	578691
Illuminated selector	Red, 2-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/22 RED AC 110V-220V	578719
Illuminated selector	Red, 2-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/22 RED AC110V-230V	667655
Illuminated selector	Green, 2-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/22 GRN AC/DC 24V	578690
Illuminated selector	Green, 2-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/22 GRN AC 110V-220V	578718
Illuminated selector	Green, 2-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/22 GRN AC110V-230V	667654
Illuminated selector	Blue, 2-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/22 BLU AC/DC 24V	578824
Illuminated selector	Blue, 2-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/22 BLU AC 110V-220V	578828
Illuminated selector	Blue, 2-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/22 BLU AC110V-230V	667688
Illuminated selector	Yellow, 2-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/22 YEL AC/DC 24V	578823
Illuminated selector	Yellow, 2-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/22 YEL AC 110V-220V	578827
Illuminated selector	Yellow, 2-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/22 YEL AC110V-230V	667687
Illuminated selector	Orange, 3-position, latching, AC 110V-220V LED	2 NO	NP8-20XD/31 ORG AC 110V-220V	667325
Illuminated selector	Orange, 3-position, latching, AC/DC 24V LED	2 NO	NP8-20XD/31 ORG AC/DC 24V	667329
Illuminated selector	White, 3-position, latching, AC 110V-220V LED	2 NO	NP8-20XD/31 WHT AC 110V-220V	667322
Illuminated selector	White, 3-position, latching, AC 110V-230V LED	2 NO	NP8-20XD/31 WHT AC 110V-230V	667614
Illuminated selector	White, 3-position, latching, AC/DC 24V LED	2 NO	NP8-20XD/31 WHT AC/DC 24V	667326
Illuminated selector	Red, 3-position, latching, AC 110V-220V LED	2 NO	NP8-20XD/31 RED AC 110V-220V	667209
Illuminated selector	Red, 3-position, latching, AC 110V-230V LED	2 NO	NP8-20XD/31 RED AC 110V-230V	667578
Illuminated selector	Red, 3-position, latching, AC/DC 24V LED	2 NO	NP8-20XD/31 RED AC/DC 24V	667197
Illuminated selector	Green, 3-position, latching, AC 110V-220V LED	2 NO	NP8-20XD/31 GRN AC 110V-220V	667208
Illuminated selector	Green, 3-position, latching, AC 110V-230V LED	2 NO	NP8-20XD/31 GRN AC 110V-230V	667577
Illuminated selector	Green, 3-position, latching, AC/DC 24V LED	2 NO	NP8-20XD/31 GRN AC/DC 24V	667196
Illuminated selector	Green, 3-position, latching, AC/DC 36V LED	2 NO	NP8-20XD/31 GRN AC/DC 36V	578963
Illuminated selector	Blue, 3-position, latching, AC 110V-220V LED	2 NO	NP8-20XD/31 BLU AC 110V-220V	667324
Illuminated selector	Blue, 3-position, latching, AC 110V-230V LED	2 NO	NP8-20XD/31 BLU AC 110V-230V	667616
Illuminated selector	Blue, 3-position, latching, AC/DC 24V LED	2 NO	NP8-20XD/31 BLU AC/DC 24V	667328
Illuminated selector	Yellow, 3-position, latching, AC 110V-220V LED	2 NO	NP8-20XD/31 YEL AC 110V-220V	667323
Illuminated selector	Yellow, 3-position, latching, AC 110V-230V LED	2 NO	NP8-20XD/31 YEL AC 110V-230V	667615
Illuminated selector	Yellow, 3-position, latching, AC/DC 24V LED	2 NO	NP8-20XD/31 YEL AC/DC 24V	667327
Illuminated selector	Orange, 3-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/33 ORG AC/DC 24V	578917
Illuminated selector	Orange, 3-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/33 ORG AC 110V-220V	578929

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	White, 3-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/33 WHT AC/DC 24V	578908
Illuminated selector	White, 3-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/33 WHT AC 110V-220V	578920
Illuminated selector	White, 3-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/33 WHT AC110V-230V	667707
Illuminated selector	Red, 3-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/33 RED AC/DC 24V	578707
Illuminated selector	Red, 3-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/33 RED AC 110V-220V	578735
Illuminated selector	Red, 3-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/33 RED AC110V-230V	667671
Illuminated selector	Green, 3-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/33 GRN AC/DC 24V	578704
Illuminated selector	Green, 3-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/33 GRN AC 110V-220V	578732
Illuminated selector	Green, 3-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/33 GRN AC110V-230V	667668
Illuminated selector	Blue, 3-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/33 BLU AC/DC 24V	578914
Illuminated selector	Blue, 3-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/33 BLU AC 110V-220V	578926
Illuminated selector	Blue, 3-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/33 BLU AC110V-230V	667713
Illuminated selector	Yellow, 3-position, self-return, AC/DC 24V LED	2 NO	NP8-20XD/33 YEL AC/DC 24V	578911
Illuminated selector	Yellow, 3-position, self-return, AC 110V-220V LED	2 NO	NP8-20XD/33 YEL AC 110V-220V	578923
Illuminated selector	Yellow, 3-position, self-return, AC 110V-230V LED	2 NO	NP8-20XD/33 YEL AC110V-230V	667710
Illuminated selector	Orange, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NO	NP8-20XD/37 ORG AC/DC 24V	578918
Illuminated selector	Orange, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NO	NP8-20XD/37 ORG AC 110V-220V	578930
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NO	NP8-20XD/37 WHT AC/DC 24V	578909
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NO	NP8-20XD/37 WHT AC 110V-220V	578921
Illuminated selector	White, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NO	NP8-20XD/37 WHT AC110V-230V	667708
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NO	NP8-20XD/37 RED AC/DC 24V	578708
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NO	NP8-20XD/37 RED AC 110V-220V	578736
Illuminated selector	Red, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NO	NP8-20XD/37 RED AC110V-230V	667672
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NO	NP8-20XD/37 GRN AC/DC 24V	578705
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NO	NP8-20XD/37 GRN AC 110V-220V	578733
Illuminated selector	Green, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NO	NP8-20XD/37 GRN AC110V-230V	667669
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NO	NP8-20XD/37 BLU AC/DC 24V	578915
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NO	NP8-20XD/37 BLU AC 110V-220V	578927
Illuminated selector	Blue, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NO	NP8-20XD/37 BLU AC110V-230V	667714
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC/DC 24V LED	2 NO	NP8-20XD/37 YEL AC/DC 24V	578912
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC 110V-220V LED	2 NO	NP8-20XD/37 YEL AC 110V-220V	578924
Illuminated selector	Yellow, 3-position, latching on the left, self-return on the right, AC 110V-230V LED	2 NO	NP8-20XD/37 YEL AC110V-230V	667711
Illuminated selector	Orange, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NO	NP8-20XD/38 ORG AC/DC 24V	578919
Illuminated selector	Orange, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NO	NP8-20XD/38 ORG AC 110V-220V	578931
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NO	NP8-20XD/38 WHT AC/DC 24V	578910
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NO	NP8-20XD/38 WHT AC 110V-220V	578922
Illuminated selector	White, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NO	NP8-20XD/38 WHT AC110V-230V	667709

Type	Color or Function	Contact	Model Description	Code
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NO	NP8-20XD/38 RED AC/DC 24V	578709
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NO	NP8-20XD/38 RED AC 110V-220V	578737
Illuminated selector	Red, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NO	NP8-20XD/38 RED AC110V-230V	667673
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NO	NP8-20XD/38 GRN AC/DC 24V	578706
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NO	NP8-20XD/38 GRN AC 110V-220V	578734
Illuminated selector	Green, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NO	NP8-20XD/38 GRN AC110V-230V	667670
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NO	NP8-20XD/38 BLU AC/DC 24V	578916
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NO	NP8-20XD/38 BLU AC 110V-220V	578928
Illuminated selector	Blue, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NO	NP8-20XD/38 BLU AC110V-230V	667715
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC/DC 24V LED	2 NO	NP8-20XD/38 YEL AC/DC 24V	578913
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC 110V-220V LED	2 NO	NP8-20XD/38 YEL AC 110V-220V	578925
Illuminated selector	Yellow, 3-position, latching on the right, self-return on the left, AC 110V-230V LED	2 NO	NP8-20XD/38 YEL AC110V-230V	667712
Key selector	2-position, latching	2 NO	NP8-20Y/21	667182
Key selector	2-position, self-return	2 NO	NP8-20Y/22	578672
Key selector	3-position, latching	2 NO	NP8-20Y/31	667185
Key selector	3-position, self-return	2 NO	NP8-20Y/33	578679
Key selector	3-position, latching on the left, self-return on the right	2 NO	NP8-20Y/37	578680
Key selector	3-position, latching on the right, self-return on the left	2 NO	NP8-20Y/38	578681
Mushroom button	Red, Φ40mm, latching, turn release	2 NO	NP8-20ZS/1 RED	667216
Mushroom button	Red, Φ60mm, latching, turn release	2 NO	NP8-20ZS/2 RED	667217
Mushroom button	Red, Φ30mm, latching, turn release	2 NO	NP8-20ZS/3 RED	667852
Flush button	White	2 NO+1NC	NP8-21BN WHT	368587
Flush button	Red	2 NO+1NC	NP8-21BN RED	667722
Flush button	Green	2 NO+1NC	NP8-21BN GRN	667723
Flush button	Blue	2 NO+1NC	NP8-21BN BLU	368589
Flush button	Yellow	2 NO+1NC	NP8-21BN YEL	667724
Flush button	Black	2 NO+1NC	NP8-21BN BLK	368588
Flush button	White	3NO	NP8-30BN WHT	368570
Flush button	Red	3NO	NP8-30BN RED	368573
Flush button	Green	3NO	NP8-30BN GRN	368572
Flush button	Blue	3NO	NP8-30BN BLU	368575
Flush button	Yellow	3NO	NP8-30BN YEL	368574
Flush button	Black	3NO	NP8-30BN BLK	368571



NP2 Series Pushbuttons

1. General

Electric ratings: AC 50/60Hz,AC 415V / DC 250V;
Degree of protection: IP40
Standard: IEC/EN 60947-5-1

2. Operating conditions

2.1 The normal working temperature is -5℃～+40℃ , average temperature should not exceed +35℃ within 24h and the extreme working temperature is -30℃～+70℃ .

2.2 Altitude: ≤2000m.

2.3 Atmosphere condition: Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is +40˚C ; much higher relative humidity is allowable under the condition of lower temperature, temperature reaches +20 ˚C , the relative humidity is up to 90%. As for dews, which contingently appear due to change of temperature,special steps should be taken.

2.4 Pollution degree: 3

2.5 Overvoltage category: II

2.6 Tightening torque is 0.8～1.2N·m for the cable terminals. Cross section of the cable connection is 0.5～2.5mm², and 8mm conductor length is needed.

3. Technical data

3.1 Rated insulation voltage Ui : 690V

3.2 Conventional thermal current Ith: 10A

Rated operational voltage Ue(V)	Rated operational current Ie(A)	
	AC-15	DC-13
415	1.9	-
380	2.5	-
250	-	2.7
240	3	-
220	4.5	0.3
125	-	0.55
110	-	0.6

3.3 Durability
Electric life: Flush-headed, mushroom-headed and button with light type: AC 5×10^5 operation circles, DC 2×10^5 operation circles; other type: 1×10^5 operation circles;
Mechanical life : Flush-headed, mushroom-headed and button with light type : 1 million operation circles; other type: 3×10^5 operation circles.
3.4 Short-circuit protective device: gG16

4. Data of lamps of illuminated button

Basic parameters	Direct type
	LED lamp
Rated operational current Ie	Ie≤20mA
Rated operational voltage (V)	AC/DC 6,12,24,36,48,110,230
Power supply rated operational current Ie	Ie≤20mA
Rated operational voltage(V)	AC 230,380

5. Features

5.1 No-dismounting of the button from the front side thanks to anti-moving operating part of metal type button;

5.2 Reliable contacting could be ensured because of dual functions of circuit switching and self-cleaning for all contacting points;

5.3 NC and NO contacting assemblies are independent to each other, and could be freely combined for convenient replacement;It is recommended that no more thantwo pairs of contact groups be connectedin vertical series, and users should consult withthe manufacturer for special requirements.

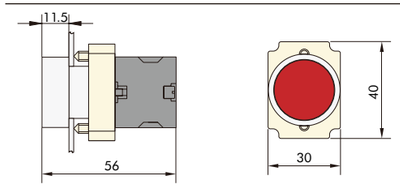
5.4 Concealed connection terminals make the operation safe and reliable. Elegant appearance due to adoption of Aluminum and Zinc alloy in metal type button operating parts and bases.

6. NP2 Series

NP-BA □□	Model	Color		
	NP2-BA11	○	1	-
	NP2-BA21	●	1	-
	NP2-BA31	●	1	-
	NP2-BA41	●	1	-
	NP2-BA51	●	1	-
	NP2-BA61	●	1	-
	NP2-BA12	○	-	1
	NP2-BA22	●	-	1
	NP2-BA32	●	-	1
	NP2-BA42	●	-	1
	NP2-BA52	●	-	1
	NP2-BA62	●	-	1

Dimensions(mm)

NP2-BA □□



NP2-BA □□□□	Model	Color		
	NP2-BA3311		1	-
	NP2-BA2365		1	1
	NP2-BA4322		-	1
	NP2-BA2351		1	-
	NP2-BA1345		1	1

NP2-BL □□	Model	Color		
	NP2-BL42		-	1
	NP2-BL31		1	-
	NP2-BL55		1	1
	NP2-BL65		1	1
	NP2-BL15		1	1
	NP2-BL21		1	-

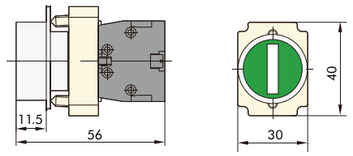
NP2-BW1 □□□	Model	Color			Note
	NP2-BW1161 6V LED		1	-	Direct 6V~230V
	NP2-BW1361 6V LED		1	-	
	NP2-BW1462 6V LED		-	1	
	NP2-BW1561 6V LED		1	-	
	NP2-BW1661 6V LED		1	-	

NP2-BW4 □□□	Model	Color			Note
	NP2-BW4161 6V LED		1	-	Direct 6V~230V
	NP2-BW4361 6V LED		1	-	
	NP2-BW4462 6V LED		-	1	
	NP2-BW4561 6V LED		1	-	
	NP2-BW4661 6V LED		1	-	

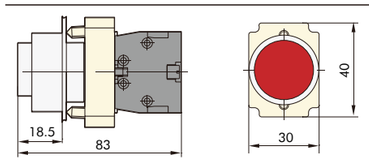
NP2-BK1 □□ 65	Model	Color			Note
	NP2-BK12365 6V LED		1	1	Two-position locked
	NP2-BK12465 6V LED		1	1	
	NP2-BK12565 6V LED		1	1	
	NP2-BK13365 6V LED		1	1	Three-position locked
	NP2-BK13465 6V LED		1	1	
	NP2-BK13565 6V LED		1	1	

NP2-BA □□	Metal	Color		
	NP2-BA13		2	-
	NP2-BA23		2	-
	NP2-BA33		2	-
	NP2-BA43		2	-
	NP2-BA53		2	-
	NP2-BA63		2	-
	NP2-BA14		-	2
	NP2-BA24		-	2
	NP2-BA34		-	2
	NP2-BA44		-	2
	NP2-BA54		-	2
	NP2-BA64		-	2
	NP2-BA15		1	1
	NP2-BA25		1	1
	NP2-BA35		1	1
	NP2-BA45		1	1
	NP2-BA55		1	1
	NP2-BA65		1	1

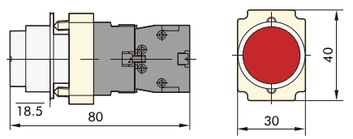
NP2-BA □□□□



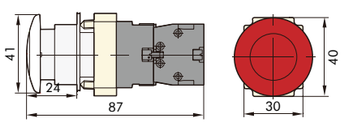
NP2-BL □□



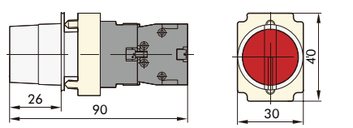
NP2-BW1 □□□



NP2-BW4 □□□



NP2-BK1 □□ 65

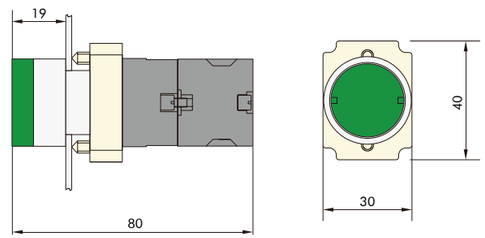


★ Momentary Flush Pushbutton (Illuminated)

NP2-BW □□	Lamp-Voltage	Model	Color		
	LED:AC/DC 6V,12V, 24V,36V,48V, 110V,230V	NP2-BW3161 230V LED		1	-
		NP2-BW3361 230V LED		1	-
		NP2-BW3461 230V LED		1	-
		NP2-BW3561 230V LED		1	-
		NP2-BW3661 230V LED		1	-
		NP2-BW3162 230V LED		-	1
		NP2-BW3362 230V LED		-	1
		NP2-BW3462 230V LED		-	1
		NP2-BW3562 230V LED		-	1
		NP2-BW3662 230V LED		-	1
		NP2-BW3163 230V LED		2	-
		NP2-BW3363 230V LED		2	-
		NP2-BW3463 230V LED		2	-
		NP2-BW3563 230V LED		2	-
		NP2-BW3663 230V LED		2	-
		NP2-BW3164 230V LED		-	2
		NP2-BW3364 230V LED		-	2
		NP2-BW3464 230V LED		-	2
		NP2-BW3564 230V LED		-	2
		NP2-BW3664 230V LED		-	2
		NP2-BW3165 230V LED		1	1
		NP2-BW3365 230V LED		1	1
		NP2-BW3465 230V LED		1	1
		NP2-BW3565 230V LED		1	1
		NP2-BW3665 230V LED		1	1

Dimensions(mm)

NP2-BW3 □ 6 □



★ Φ40 Momentary Mushroom (non-illuminated)

NP2-BC □□	Model	Color		
	NP2-BC11		1	-
	NP2-BC21		1	-
	NP2-BC31		1	-
	NP2-BC41		1	-
	NP2-BC51		1	-
	NP2-BC61		1	-
	NP2-BC12		-	1
	NP2-BC22		-	1
	NP2-BC32		-	1
	NP2-BC42		-	1
	NP2-BC52		-	1
	NP2-BC62		-	1

★ Φ60 Momentary Mushroom (non-illuminated)

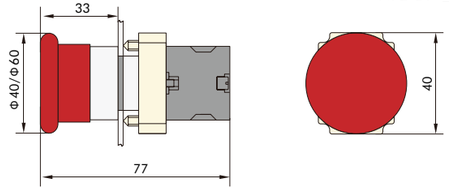
NP2-BR □□	Model	Color		
	NP2-BR11		1	-
	NP2-BR21		1	-
	NP2-BR31		1	-
	NP2-BR41		1	-
	NP2-BR51		1	-
	NP2-BR61		1	-
	NP2-BR12		-	1
	NP2-BR22		-	1
	NP2-BR32		-	1
	NP2-BR42		-	1
	NP2-BR52		-	1
	NP2-BR62		-	1

★ Φ40 Momentary Mushroom (non-illuminated)

NP2-BT □□	Model	Color		
	NP2-BT42	●	-	1

Dimensions(mm)

NP2-BC □□
NP2-BR □□
NP2-BT □□



NP2-BC □□	Model	Color		
	NP2-BC13	○	2	-
	NP2-BC23	●	2	-
	NP2-BC33	●	2	-
	NP2-BC43	●	2	-
	NP2-BC53	●	2	-
	NP2-BC63	●	2	-
	NP2-BC14	○	-	2
	NP2-BC24	●	-	2
	NP2-BC34	●	-	2
	NP2-BC44	●	-	2
	NP2-BC54	●	-	2
	NP2-BC64	●	-	2
	NP2-BC15	○	1	1
	NP2-BC25	●	1	1
	NP2-BC35	●	1	1
	NP2-BC45	●	1	1
	NP2-BC55	●	1	1
	NP2-BC65	●	1	1

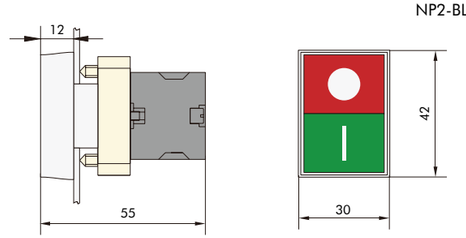
★ Double-headed flush momentory button (Non-illuminated)

NP2-BL8 □□	Lamp-Voltage	Model	Color		
	--------	NP2-BL8325	● + ●	1	1
	--------	NP2-BL8425	● + ●	1	1

NP2-BR □□	Model	Color		
	NP2-BR13	○	2	-
	NP2-BR23	●	2	-
	NP2-BR33	●	2	-
	NP2-BR43	●	2	-
	NP2-BR53	●	2	-
	NP2-BR63	●	2	-
	NP2-BR14	○	-	2
	NP2-BR24	●	-	2
	NP2-BR34	●	-	2
	NP2-BR44	●	-	2
	NP2-BR54	●	-	2
	NP2-BR64	●	-	2
	NP2-BR15	○	1	1
	NP2-BR25	●	1	1
	NP2-BR35	●	1	1
	NP2-BR45	●	1	1
	NP2-BR55	●	1	1
	NP2-BR65	●	1	1

Dimensions(mm)

NP2-BL8325

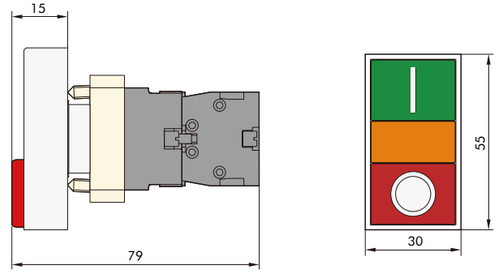


★ Double-headed flush momentory button (Illuminated)

NP2-BW84	Lamp-Voltage	Model	Color		
	LED : AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW8465	● + ●	1	1

Dimensions(mm)

NP2-BW8 □ 6 □

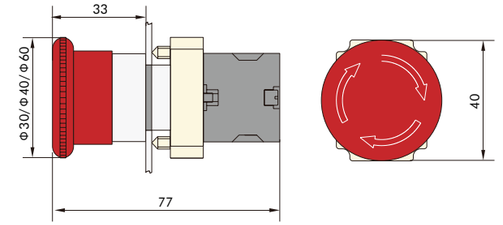


★ Mushroom button latching, turn to release(Non-illuminated)

NP2-BS □□□	Mushroom -Diameter	Model	Color		
	Φ30	NP2-BS441	●	1	-
		NP2-BS442	●	-	1
	Φ40	NP2-BS541	●	1	-
		NP2-BS542	●	-	1
	Φ60	NP2-BS641	●	1	-
		NP2-BS642	●	-	1
	Φ30	NP2-BS443	●	2	-
		NP2-BS444	●	-	2
		NP2-BS445	●	1	1
	Φ40	NP2-BS543	●	2	-
		NP2-BS544	●	-	2
		NP2-BS545	●	1	1
	Φ60	NP2-BS643	●	2	-
		NP2-BS644	●	-	2
		NP2-BS645	●	1	1

Dimensions(mm)

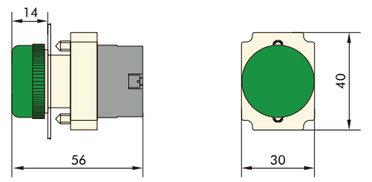
NP2-BS □□□



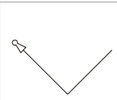
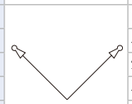
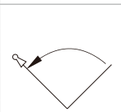
NP2-BV6 □	Lamp-Voltage	Model	Color
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BV61	○
		NP2-BV63	●
		NP2-BV64	●
		NP2-BV65	●
		NP2-BV66	●

Dimensions(mm)

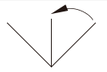
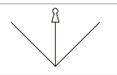
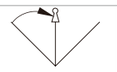
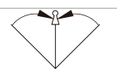
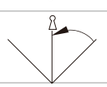
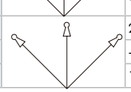
NP2-BV6 □



★ Selector Switches (2 positions)-(Non-illuminated)

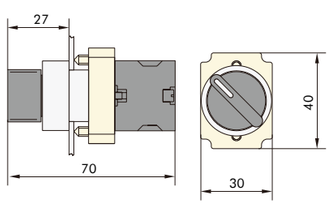
NP2-BD (J, G) ☐☐	Metal	Selector Switches		
	NP2-BD21		1	-
	NP2-BD22		-	1
	NP2-BD23		2	-
	NP2-BD24		-	2
	NP2-BD25		1	1
	NP2-BD41		1	-
	NP2-BD42		-	1
	NP2-BD43		2	-
	NP2-BD44		-	2
	NP2-BD45		1	1
	NP2-BJ21		1	-
	NP2-BJ22		-	1
	NP2-BJ23		2	-
	NP2-BJ24		-	2
	NP2-BJ25		1	1
	NP2-BJ41		1	-
	NP2-BJ42		-	1
	NP2-BJ43		2	-
	NP2-BJ44		-	2
	NP2-BJ45		1	1
	NP2-BG21		1	-
	NP2-BG22		-	1
	NP2-BG23		2	-
	NP2-BG24		-	2
	NP2-BG25		1	1
	NP2-BG21B		1	-
	NP2-BG22B		-	1
	NP2-BG23B		2	-
	NP2-BG24B		-	2
	NP2-BG25B		1	1
	NP2-BG41		1	-
	NP2-BG42		-	1
	NP2-BG43		2	-
	NP2-BG44		-	2
	NP2-BG45		1	1

★ Selector Switches (3 positions)-(Non-illuminated)

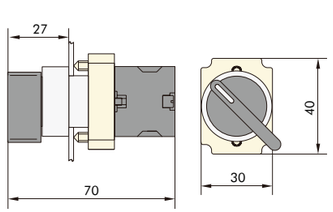
NP2-BD (J, G) ☐☐	Metal	Selector Switches		
	NP2-BD33		2	-
	NP2-BD34		-	2
	NP2-BD35		1	1
	NP2-BD73		2	-
	NP2-BD74		-	2
	NP2-BD75		1	1
	NP2-BD53		2	-
	NP2-BD54		-	2
	NP2-BD55		1	1
	NP2-BD83		2	-
	NP2-BD84		-	2
	NP2-BD85		1	1
	NP2-BJ33		2	-
	NP2-BJ34		-	2
	NP2-BJ35		1	1
	NP2-BJ73		2	-
	NP2-BJ74		-	2
	NP2-BJ75		1	1
	NP2-BJ53		2	-
	NP2-BJ54		-	2
	NP2-BJ55		1	1
	NP2-BJ83		2	-
	NP2-BJ84		-	2
	NP2-BJ85		1	1
	NP2-BG33		2	-
	NP2-BG34		-	2
	NP2-BG35		1	1
	NP2-BG73		2	-
	NP2-BG74		-	2
	NP2-BG75		1	1
	NP2-BG53		2	-
	NP2-BG54		-	2
	NP2-BG55		1	1
	NP2-BG83		2	-
	NP2-BG84		-	2
	NP2-BG85		1	1
	NP2-BG33D		2	-
	NP2-BG34D		-	2
	NP2-BG35D		1	1

Dimensions(mm)

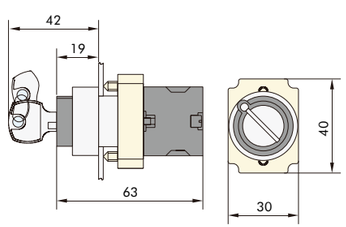
NP2-BD ☐☐



NP2-BJ ☐☐



NP2-BG ☐☐

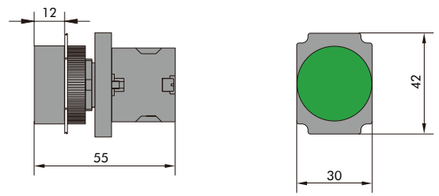


★ Mushroom button latching, turn to release(Non-illuminated)

NP2-EA ☐☐	Model	Color		
	NP2-EA11		1	—
	NP2-EA21		1	—
	NP2-EA31		1	—
	NP2-EA41		1	—
	NP2-EA51		1	—
	NP2-EA61		1	—
	NP2-EA12		—	1
	NP2-EA22		—	1
	NP2-EA32		—	1
	NP2-EA42		—	1
	NP2-EA52		—	1
	NP2-EA62		—	1

Dimensions(mm)

NP2-EA ☐☐



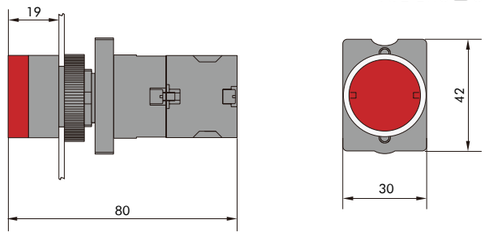
★ Momentary Flush Pushbutton (Illuminated)

NP2-EW3 ☐☐☐	Model	Color		
	EW3164		—	2
	EW3364		—	2
	EW3464		—	2
	EW3564		—	2
	EW3664		—	2
	EW3162		—	1
	EW3362		—	1
	EW3462		—	1
	EW3562		—	1
	EW3662		—	1
	EW3163		2	—
	EW3363		2	—
	EW3463		2	—
	EW3563		2	—
	EW3663		2	—
	EW3161		1	—
	EW3361		1	—
	EW3461		1	—

NP2-EA ☐☐	Model	Color		
	NP2-EA13		2	—
	NP2-EA23		2	—
	NP2-EA33		2	—
	NP2-EA43		2	—
	NP2-EA53		2	—
	NP2-EA63		2	—
	NP2-EA14		—	2
	NP2-EA24		—	2
	NP2-EA34		—	2
	NP2-EA44		—	2
	NP2-EA54		—	2
	NP2-EA64		—	2
	NP2-EA15		1	1
	NP2-EA25		1	1
	NP2-EA35		1	1
	NP2-EA45		1	1
	NP2-EA55		1	1
	NP2-EA65		1	1

Dimensions(mm)

NP2-EW3 ☐ 6 ☐



NP2-EW3 ☐☐☐	Model	Color		
	EW3561		1	—
	EW3661		1	—
	EW3165		1	1
	EW3365		1	1
	EW3465		1	1
	EW3565		1	1
	EW3665		1	1

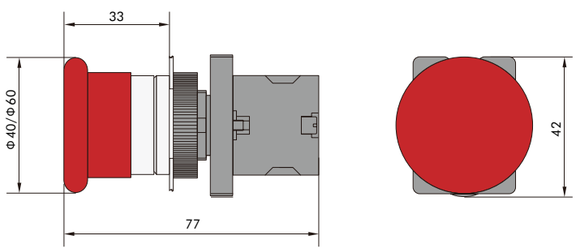
★ Φ40 Momentary Mushroom button -(Non-illuminated)

NP2-EC □□	Model	Color		
	NP2-EC11	○	1	—
	NP2-EC21	●	1	—
	NP2-EC31	●	1	—
	NP2-EC41	●	1	—
	NP2-EC51	●	1	—
	NP2-EC61	●	1	—
	NP2-EC12	○	—	1
	NP2-EC22	●	—	1
	NP2-EC32	●	—	1
	NP2-EC42	●	—	1
	NP2-EC52	●	—	1
	NP2-EC62	●	—	1
	NP2-EC13	○	2	—
	NP2-EC23	●	2	—
	NP2-EC33	●	2	—
	NP2-EC43	●	2	—
	NP2-EC53	●	2	—
	NP2-EC63	●	2	—
	NP2-EC14	○	—	2
	NP2-EC24	●	—	2
	NP2-EC34	●	—	2
	NP2-EC44	●	—	2
	NP2-EC54	●	—	2
	NP2-EC64	●	—	2
	NP2-EC15	○	1	1
	NP2-EC25	●	1	1
	NP2-EC35	●	1	1
	NP2-EC45	●	1	1
	NP2-EC55	●	1	1
	NP2-EC65	●	1	1

NP2-ER □□	Model	Color		
	NP2-ER11	○	1	—
	NP2-ER21	●	1	—
	NP2-ER31	●	1	—
	NP2-ER41	●	1	—
	NP2-ER51	●	1	—
	NP2-ER61	●	1	—
	NP2-ER12	○	—	1
	NP2-ER22	●	—	1
	NP2-ER32	●	—	1
	NP2-ER42	●	—	1
	NP2-ER52	●	—	1
	NP2-ER62	●	—	1
	NP2-ER13	○	2	—
	NP2-ER23	●	2	—
	NP2-ER33	●	2	—
	NP2-ER43	●	2	—
	NP2-ER53	●	2	—
	NP2-ER63	●	2	—
	NP2-ER14	○	—	2
	NP2-ER24	●	—	2
	NP2-ER34	●	—	2
	NP2-ER44	●	—	2
	NP2-ER54	●	—	2
	NP2-ER64	●	—	2
	NP2-ER15	○	1	1
	NP2-ER25	●	1	1
	NP2-ER35	●	1	1
	NP2-ER45	●	1	1
	NP2-ER55	●	1	1
	NP2-ER65	●	1	1

Dimensions(mm)

NP2-EC □□
NP2-ER □□

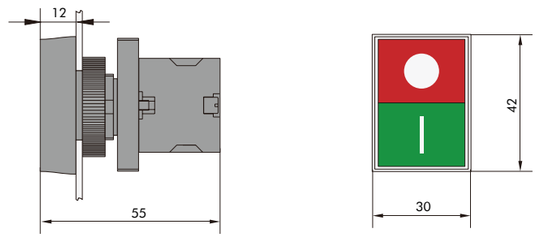


★ Double-headed flush momentory button -(Non-illuminated)

NP2-EL8 □□	Lamp-Voltage	Model	Color		
	---------	NP2-EL8325	● + ●	1	1
	---------	NP2-EL8425	● + ●	1	1

Dimensions(mm)

NP2-EL8325

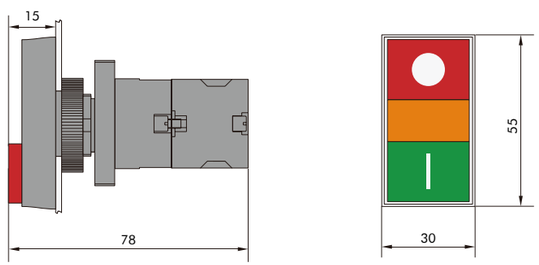


★ Double-headed flush momentory button (Illuminated)

NP2-EW8 □□	Lamp-Voltage	Model	Color		
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW8465	● + ●	1	1

Dimensions(mm)

NP2-EW8 □ 6 □

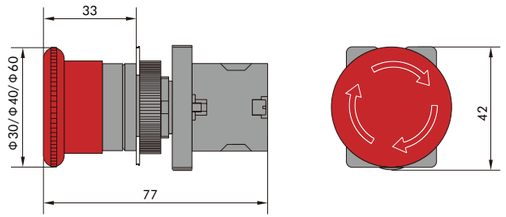


★ Mushroom button latching, turn to release (Non-illuminated)

NP2-ES □□□	Mushroom-Diameter	Model	Color	⌇	↾
	Φ30	NP2-ES441		1	-
		NP2-ES442		-	1
	Φ40	NP2-ES541		1	-
		NP2-ES542		-	1
	Φ60	NP2-ES641		1	-
		NP2-ES642		-	1
	Φ30	NP2-ES443		2	-
		NP2-ES444		-	2
		NP2-ES445		1	1
	Φ40	NP2-ES543		2	-
		NP2-ES544		-	2
		NP2-ES545		1	1
	Φ60	NP2-ES643		2	-
		NP2-ES644		-	2
		NP2-ES645		1	1

Dimensions(mm)

NP2-ES □□□

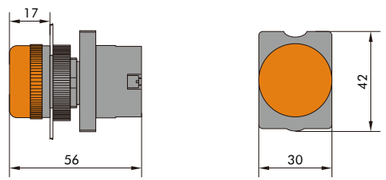


★ Indicator

NP2-EV □□	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EV61	
		NP2-EV63	
		NP2-EV64	
		NP2-EV65	
		NP2-EV66	

Dimensions(mm)

NP2-EV6 □



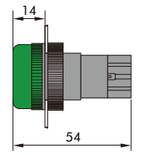
★ Indicator (compact)

NP2-EV16 □□	Lamp-Voltage	Model	Color	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EV161		
		NP2-EV163		
		NP2-EV164		
		NP2-EV165		
		NP2-EV166		

★ Selector Switches (2 positions)-(Non-illuminated)

NP2-ED (J, G) □□	Model	Selector Switches	⌇	↾
	NP2-ED21		1	-
	NP2-ED22		-	1
	NP2-ED23		2	-
	NP2-ED24		-	2
	NP2-ED25		1	1
	NP2-ED41		1	-
	NP2-ED42		-	2
	NP2-ED43		2	1
	NP2-ED44		-	-
	NP2-ED45		1	2
	NP2-EJ21		1	1
	NP2-EJ22		-	-
	NP2-EJ23		2	2
	NP2-EJ24		-	1
	NP2-EJ25		1	-
	NP2-EJ41		1	2
	NP2-EJ42		-	1
	NP2-EJ43		2	-
	NP2-EJ44		-	2
	NP2-EJ45		1	1

Dimensions(mm)

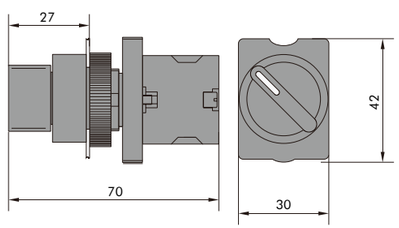


★ Selector Switches (3 positions)-(Non-illuminated)

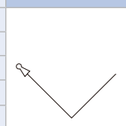
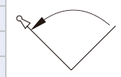
NP2-ED (J, G) □□	Model	Selector Switches	⌇	↾
	NP2-ED33		2	-
	NP2-ED34		-	2
	NP2-ED35		1	1
	NP2-ED73		2	-
	NP2-ED74		-	2
	NP2-ED75		1	1
	NP2-ED53		2	-
	NP2-ED54		-	2
	NP2-ED55		1	1
	NP2-ED83		2	-
	NP2-ED84		-	2
	NP2-ED85		1	1
	NP2-EJ33		2	-
	NP2-EJ34		-	2
	NP2-EJ35		1	1
	NP2-EJ73		2	-
	NP2-EJ74		-	2
	NP2-EJ75		1	1
	NP2-EJ53		2	-
	NP2-EJ54		-	2
	NP2-EJ55		1	1
	NP2-EJ83		2	-
	NP2-EJ84		-	2
	NP2-EJ85		1	1

Dimensions(mm)

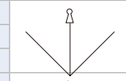
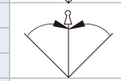
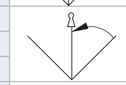
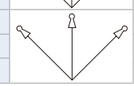
NP2-ED □□



★ Selector Switches (2 positions)-(Non-illuminated)

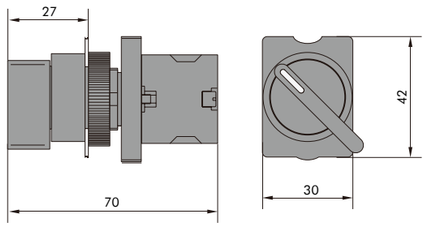
NP2-ED (J, G) □□	Model	Selector Switches		
	NP2-EG21		1	-
	NP2-EG22		-	1
	NP2-EG23		2	-
	NP2-EG24		-	2
	NP2-EG25		1	1
	NP2-EG41		1	-
	NP2-EG42		-	1
	NP2-EG43		2	-
	NP2-EG44		-	2
	NP2-EG45		1	1
	NP2-EG21B		1	-
	NP2-EG22B		-	1
	NP2-EG23B		2	-
	NP2-EG24B		-	2
	NP2-EG25B		1	1

★ Selector Switches (3 positions)-(Non-illuminated)

NP2-ED (J, G) □□	Model	Selector Switches		
	NP2-EG33		2	-
	NP2-EG34		-	2
	NP2-EG35		1	1
	NP2-EG73		2	-
	NP2-EG74		-	2
	NP2-EG75		1	1
	NP2-EG53		2	-
	NP2-EG54		-	2
	NP2-EG55		1	1
	NP2-EG83		2	-
	NP2-EG84		-	2
	NP2-EG85		1	1
	NP2-EG33D		2	-
	NP2-EG34D		-	2
	NP2-EG35D		1	1

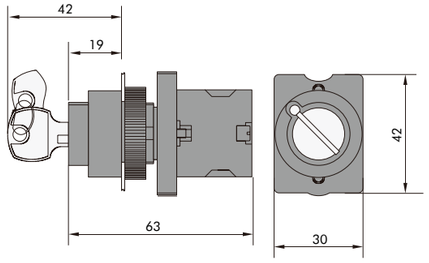
Dimensions(mm)

NP2-EJ □□



Dimensions(mm)

NP2-EG □□



★ Flush Momentary button-(Non-illuminated)

NP2-BA □	Metal	Specifications
	NP2-BA1	○
	NP2-BA2	●
	NP2-BA3	●
	NP2-BA4	●
	NP2-BA5	●
	NP2-BA6	●

NP2-BA □□□	Metal	Specifications
	NP2-BA331	◐
	NP2-BA236	⏸
	NP2-BA432	○
	NP2-BA235	↑
	NP2-BA134	↓
	NP2-BA637	↕

★ Flush Momentary button-(Illuminated)

NP2-BW3 □	Metal	Specifications
	NP2-BW31	○
	NP2-BW33	●
	NP2-BW34	●
	NP2-BW35	●
	NP2-BW36	●

★ Double head button-(Non-illuminated)

NP2-BL □□□	Metal	Specifications
	NP2-BL832	Flush button
	NP2-BL842	Flush button + projecting button

★ Double head button-(Illuminated)

NP2-BW □□	Metal	Specifications
	NP2-BW84	Flush button + projecting button

★ Indicator light

NP2-BV/ □	Metal	Specifications
	NP2-BV/1	○
	NP2-BV/3	●
	NP2-BV/4	●
	NP2-BV/5	●
	NP2-BV/6	●

★ Emergency stop button

NP2-BS □ 4	Metal	Specifications
	NP2-BS44	4:Turn restoration Φ30
	NP2-BS54	5:Turn restoration Φ40
	NP2-BS64	6:Turn restoration Φ60

NP2-EA □	Plastic	Specifications
	NP2-EA1	○
	NP2-EA2	●
	NP2-EA3	●
	NP2-EA4	●
	NP2-EA5	●
	NP2-EA6	●

NP2-EW3 □	Plastic	Specifications
	NP2-EW31	○
	NP2-EW33	●
	NP2-EW34	●
	NP2-EW35	●
	NP2-EW36	●

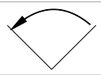
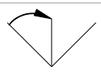
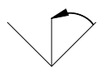
NP2-EL □□□	Plastic	Specifications
	NP2-EL832	Flush button
	NP2-EL842	Flush button + projecting button

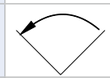
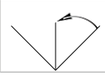
NP2-EW □□	Plastic	Specifications
	NP2-EW84	Flush button + projecting button

NP2-EV/ □	Plastic	Specifications
	NP2-EV/1	○
	NP2-EV/3	●
	NP2-EV/4	●
	NP2-EV/5	●
	NP2-EV/6	●

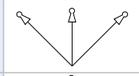
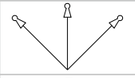
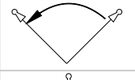
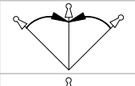
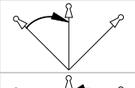
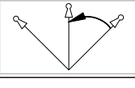
NP2-ES □ 4	Plastic	Specifications
	NP2-ES34	3:Status indication turn restoration Φ40
	NP2-ES44	4:Turn restoration Φ30
	NP2-ES54	5:Turn restoration Φ40
	NP2-ES64	6:Turn restoration Φ60

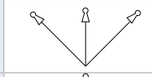
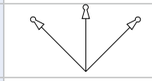
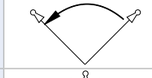
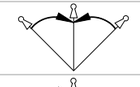
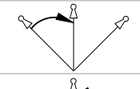
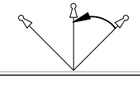
★ Head of Selector Switch-(Non-illuminated)

NP2-BD/ ☐	Model	Specifications
	NP2-BD2	
	NP2-BD3	
	NP2-BD4	
	NP2-BD5	
	NP2-BD	
	NP2-BD	

NP2-ED/ ☐	Plastic	Specifications
	NP2-ED2	
	NP2-ED3	
	NP2-ED4	
	NP2-ED5	
	NP2-ED7	
	NP2-ED8	

★ Head of Key Switch-(Non-illuminated)

NP2-BG ☐	Metal	Specifications
	NP2-BG2	
	NP2-BG2B	
	NP2-BG3	
	NP2-BG3D	
	NP2-BG4	
	NP2-BG5	
	NP2-BG7	
	NP2-BG8	

NP2-EG ☐	Plastic	Specifications
	NP2-EG2	
	NP2-EG2B	
	NP2-EG3	
	NP2-EG3D	
	NP2-EG4	
	NP2-EG5	
	NP2-EG7	
	NP2-EG8	

★ Adapter

NP2-BZ009	Metal	Specifications
	NP2-BZ009	For NP2-B ☐☐

NP2-EZ009	Plastic	Specifications
	NP2-EZ009	For NP2-E ☐☐

★ Waring label

NP2-BY	Plastic	Specifications
	NP2-BY9101 NP2-BY9330	Φ60 (blank) Φ60 (printed)
	NP2-BY8101 NP2-BY8330	Φ90 (blank) Φ90 (printed)

★ Contact block

NP2-BE ☐☐☐	Metal	Specifications
	NP2-BE101	NO Contact
	NP2-BE102	NC Contact
	NP2-BE103	2NO Contact
	NP2-BE104	2NO Contact
	NP2-BE105	1NO+1NC Contact

★ Base for Illuminated (without lamp)

NP2-EW ☐ /EV ☐	Metal	Specifications
	NP2-EW6/EV6	Direct type

★ Lamp (LED)

BA9s	Specifications	
	AC/DC 6V	○
	AC/DC 6V	●
	AC/DC 6V	●
	AC/DC 6V	●
	AC/DC 6V	●
	AC/DC 12V	○
	AC/DC 12V	●
	AC/DC 12V	●
	AC/DC 12V	●
	AC/DC 12V	●
	AC/DC 24V	○
	AC/DC 24V	●
	AC/DC 24V	●
	AC/DC 24V	●
	AC/DC 24V	●
	AC/DC 36V	○
	AC/DC 36V	●
	AC/DC 36V	●
	AC/DC 36V	●
	AC/DC 36V	●

NP2-BZ	Plastic	Specifications
	NP2-BZ31	30mm(H)X45mm(L)

★ Head-enclosure of Push-button- (Water proof)

	Specifications
	For NP2-BP ○ ● ● ●
	For NP2-BA(EA)

	Specifications
	For NP2-BL(EL)832
	For NP2-BL(EL)842

BA9s	Specifications	
	AC/DC 48V	○
	AC/DC 48V	●
	AC/DC 48V	●
	AC/DC 48V	●
	AC/DC 48V	●
	AC/DC 110V	○
	AC/DC 110V	●
	AC/DC 110V	●
	AC/DC 110V	●
	AC/DC 110V	●
	AC/DC 230V	○
	AC/DC 230V	●
	AC/DC 230V	●
	AC/DC 230V	●
	AC/DC 230V	●

PIC	Type code of button with box (construction code)	Meaning of the type code		
		Configure	Sign	Color of the cover
	B101H29	Gree flush button, 1NO	Scutcheon sign: START	French grey
	B102	Gree flush button, 1NO	Push button sign:I	French grey
	B103	Gree flush button, 1NO	Push button sign:START	French grey
	B111H29	Red flush button, 1NC	Scutcheon sign:STOP	French grey
	B112	Red flush button, 1NC	Push button sign:O	French grey
	B114	Red flush button, 1NC	Push button sign:STOP	French grey
	B174H29	Red Φ40 mushroom button self-locking, knob reset 1NC	Scutcheon sign:STOP	French grey
	J174 H29	Red Φ40 mushroom button self-locking, knob reset 1NC	Scutcheon sign:STOP	Yellow
	J174	Red Φ40 mushroom button self-locking, knob reset 1NC		Yellow
	B132H29	Two positons locking knob,1NO	Scutcheon sign:STOP START	French grey
	B142H29	Two positons locking key button,1NO	Scutcheon sign:STOP START	French grey
	B211H29	Green flush button 1NO Red flush button 1NC	Scutcheon sign:STOP,START	French grey
	B213	Green flush button 1NO Red flush button 1NC	Push button sign: I O	French grey
	B215	Green flush button 1NO Red flush button 1NC	Push button sign: START,STOP	French grey
	B222	White flush button 1NO Black fulsh button 1NO	Push button sign: ↑ ↓	French grey
	B223	White flush button 1NO Black fulsh button 1NO	Push button sign: → ←	French grey

PIC	Type code of button with box (construction code)	Meaning of the type code		
		Configure	Sign	Color of the cover
	B311H29	Green flush button 1NO Red flush button 1NC Green flush button 1NO	Scutcheon sign: FORWARD STOP, REVERSE	French grey
	B321H29	Green flush button 1NO Red flush button 1NC Green flush button 1NO	Scutcheon sign: UP, STOP DOWN	French grey
	B341H29	Green flush button 1NO Red flush button 1NC Green flush button 1NO	Scutcheon sign: OPEN, STOP CLOSE	French grey
	B339	Green flush button 1NO Red flush button 1NC Black flush button 1NO	Push button sign: I O II	French grey
	B324	White flush button 1NO Red flush button 1NC Black flush button 1NO	Push button sign: ↑ O ↓	French grey
	B334	White flush button 1NO Red flush button 1NC Black flush button 1NO	Push button sign: → O ←	French grey
	B361H29	Red pilot lamp, 220V LED lamp, direct type Green flush button 1NO Red flush button 1NC	Scutcheon sign: START, STOP	French grey
	B363	Red pilot lamp, 220V LED lamp, direct type Green flush button 1NO Red flush button 1NC	Push button sign: I O	French grey
	B366	Red pilot lamp, 220V LED lamp, direct type Green flush button 1NO Red flush button 1NC	Push button sign: START, STOP	French grey
	B01,B02,B03	Empty boxes, of which there is one hole, two holes and three holes.		French grey

Enclosure: normally opened cotact, normally closed contact

NP2	-	B	S	5	4	2	24V
Product Series		**Material**	**Function**	**Additional Function**	**Color**	**Contact**	**Control Voltage**
		B: metal E: plastic	A: flush button AZ: latching flush button L: projecting button C: mushroom button, Φ40mm L: mushroom button, Φ60mm P: flush button with protection cover D: selector J: selector with long knob G: key selector T: latching mushroom button, pull to release S: latching mushroom button, turn to release W1: illuminated projecting button W3: illuminated flush button W3Z: illuminated latching flush button W4: illuminated mushroom button L8: double head button W8: illuminated double head button K1: illuminated selector V: indicator light V1: economical indicator light	for selector: 2: 2-position, latching 3: 3-position, latching 4: 2-position, self-return 5: 3-position, self-return 7: 3-position, latching on the left, self-return on the right 8: 3-position, latching on the right, self-return on the left for double head button: 3: flush 4: flush+projecting for latching mushroom button, turn to release: 4: Φ30mm 5: Φ40mm 6: Φ60mm 1: Φ40mm (key release) 3: Φ40mm (with status indicator) for indicator light: 6: direct power 8: resistance and capacitor	1: white 2: black 3: green 4: red 5: yellow 6: blue	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO+1NC	12V: AC/DC 12V 24V:AC/DC 24V 36V:AC/DC 36V 48V: AC/DC 48V 110V: AC/DC 110V 220V: AC/DC 220V 230V: AC/DC 230V 240V: AC/DC 240V 380V: AC 380V

Material	Type	Color or Function	Contact	Model Description	Code
Plastic	Box	empty box, gray, 1 hole	-	NP2-B01	573891
Plastic	Box	empty box,gray, 2 holes	-	NP2-B02	575576
Plastic	Box	empty box, gray, 3 holes	-	NP2-B03	575577
Plastic	Box	gray box with 1 green flush button, with START label	1NO	NP2-B101H29	573927
Plastic	Box	gray box with 1 green flush button, with I sign	1NO	NP2-B102	573928
Plastic	Box	gray box with 1 green flush button, with START sign	1NO	NP2-B103	573929
Plastic	Box	gray box with 1 red flush button, with STOP label	1NC	NP2-B111H29	573930
Plastic	Box	gray box with 1 red flush button, with O sign	1NC	NP2-B112	573931
Plastic	Box	gray box with 1 red flush button, with STOP sign	1NC	NP2-B114	573933
Plastic	Box	gray box with 1 2-position selector, with START STOP label	1NO	NP2-B132H29	573934
Plastic	Box	gray box with 1 2-position key selector, with START STOP label	1NO	NP2-B142H29	573937
Plastic	Box	gray box with 1 green and 1 red flush buttons, with START and STOP labels	1NO+1NC	NP2-B211H29	573938
Plastic	Box	gray box with 1 green and 1 red flush buttons, with I and O signs	1NO+1NC	NP2-B213	573939
Plastic	Box	gray box with 1 green and 1 red flush buttons, with START and STOP signs	1NO+1NC	NP2-B215	573940
Plastic	Box	gray box with 1 black and 1 white flush buttons, with ⬇ and ⬆ signs	1NO+1NO	NP2-B222	573941
Plastic	Box	gray box with 1 black and 1 white flush buttons, with ⬅ and ➡ signs	1NO+1NO	NP2-B223	573942
Plastic	Box	gray box with 2 green and 1 red flush buttons, with FORWARD, REVERSE and STOP labels	2NO+1NC	NP2-B311H29	573945
Plastic	Box	gray box with 2 green and 1 red flush buttons, with UP, DOWN and STOP labels	2NO+1NC	NP2-B321H29	573946
Plastic	Box	gray box with 1 black, 1 white and 1 red flush buttons, with ⬇ , ⬆ and O signs	2NO+1NC	NP2-B324	573947
Plastic	Box	gray box with 1 black, 1 white and 1 red flush buttons, with ⬅ , ➡ and O signs	2NO+1NC	NP2-B334	573949
Plastic	Box	gray box with 1 green, 1 black and 1 red flush buttons, with I, II and O signs	2NO+1NC	NP2-B339	573944
Plastic	Box	gray box with 2 green flush buttons and 1 red flush button, with OPEN, CLOSE and STOP labels	2NO+1NC	NP2-B341H29	573950
Plastic	Box	gray box with 1 green flush buttons, 1 red flush button and 1 220V LED pilot, with START and STOP labels	1NO+1NC	NP2-B361H29	573951
Plastic	Box	gray box with 1 green flush buttons, 1 red flush button and 1 220V LED pilot, with I and O signs	1NO+1NC	NP2-B363	575580
Plastic	Box	gray box with 1 green flush buttons, 1 red flush button and 1 220V LED pilot, with START and STOP signs	1NO+1NC	NP2-B366	573953
Metal	Flush button	white	1NO	NP2-BA11	573954
Metal	Flush button	white, IP65	1NO	NP2-BA11C	526564
Metal	Flush button	white	1NC	NP2-BA12	575948
Metal	Flush button	white, IP65	1NC	NP2-BA12C	526565
Metal	Flush button	white	2NO	NP2-BA13	575179
Metal	Flush button	white, with black ⬇ sign, IP65	1NO	NP2-BA1341C	526624
Metal	Flush button	white, with black ⬇ sign, IP65	1NC	NP2-BA1342C	526625
Metal	Flush button	white, with black ⬇ sign, IP65	2NO	NP2-BA1343C	526626
Metal	Flush button	white, with black ⬇ sign, IP65	2NC	NP2-BA1344C	526627
Metal	Flush button	white, with black ⬇ sign, IP65	1NO+1NC	NP2-BA1345C	526628
Metal	Flush button	white, IP65	2NO	NP2-BA13C	526566
Metal	Flush button	white	2NC	NP2-BA14	573960
Metal	Flush button	white, IP65	2NC	NP2-BA14C	526567
Metal	Flush button	white	1NO+1NC	NP2-BA15	574369
Metal	Flush button	white, IP65	1NO+1NC	NP2-BA15C	526568
Metal	Flush button	Black	1NO	NP2-BA21	573955
Metal	Flush button	Black, IP65	1NO	NP2-BA21C	526569
Metal	Flush button	Black	1NC	NP2-BA22	574635
Metal	Flush button	Black, IP65	1NC	NP2-BA22C	526570

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Flush button	Black	2NO	NP2-BA23	575428
Metal	Flush button	Black, with white ⬆ sign, IP65	1NO	NP2-BA2351C	526629
Metal	Flush button	Black, with white ⬆ sign, IP65	1NC	NP2-BA2352C	526630
Metal	Flush button	Black, with white ⬆ sign, IP65	2NO	NP2-BA2353C	526631
Metal	Flush button	Black, with white ⬆ sign, IP65	2NC	NP2-BA2354C	526632
Metal	Flush button	Black, with white ⬆ sign, IP65	1NO+1NC	NP2-BA2355C	526633
Metal	Flush button	Black, with white II sign, IP65	1NO	NP2-BA2361C	526634
Metal	Flush button	Black, with white II sign, IP65	1NC	NP2-BA2362C	526635
Metal	Flush button	Black, with white II sign, IP65	2NO	NP2-BA2363C	526636
Metal	Flush button	Black, with white II sign, IP65	2NC	NP2-BA2364C	526637
Metal	Flush button	Black, with white II sign, IP65	1NO+1NC	NP2-BA2365C	526638
Metal	Flush button	Black, IP65	2NO	NP2-BA23C	526571
Metal	Flush button	Black	2NC	NP2-BA24	573961
Metal	Flush button	Black, IP65	2NC	NP2-BA24C	526572
Metal	Flush button	Black	1NO+1NC	NP2-BA25	573962
Metal	Flush button	Black, IP65	1NO+1NC	NP2-BA25C	526573
Metal	Flush button	Green	1NO	NP2-BA31	573956
Metal	Flush button	Green, IP65	1NO	NP2-BA31C	526574
Metal	Flush button	Green	1NC	NP2-BA32	573957
Metal	Flush button	Green, IP65	1NC	NP2-BA32C	526575
Metal	Flush button	Green	2NO	NP2-BA33	574327
Metal	Flush button	Green, with white I sign, IP65	1NO	NP2-BA3311C	526639
Metal	Flush button	Green, with white I sign, IP65	1NC	NP2-BA3312C	526640
Metal	Flush button	Green, with white I sign, IP65	2NO	NP2-BA3313C	526641
Metal	Flush button	Green, with white I sign, IP65	2NC	NP2-BA3314C	526642
Metal	Flush button	Green, with white I sign, IP65	1NO+1NC	NP2-BA3315C	526643
Metal	Flush button	Green, IP65	2NO	NP2-BA33C	526576
Metal	Flush button	Green	2NC	NP2-BA34	573963
Metal	Flush button	Green, IP65	2NC	NP2-BA34C	526577
Metal	Flush button	Green	1NO+1NC	NP2-BA35	573964
Metal	Flush button	Green, IP65	1NO+1NC	NP2-BA35C	526578
Metal	Flush button	Red	1NO	NP2-BA41	573958
Metal	Flush button	Red, IP65	1NO	NP2-BA41C	526579
Metal	Flush button	Red	1NC	NP2-BA42	573890
Metal	Flush button	Red, IP65	1NC	NP2-BA42C	526580
Metal	Flush button	Red	2NO	NP2-BA43	574627
Metal	Flush button	Red, with white O sign, IP65	1NO	NP2-BA4321C	526644
Metal	Flush button	Red, with white O sign, IP65	1NC	NP2-BA4322C	526645
Metal	Flush button	Red, with white O sign, IP65	2NO	NP2-BA4323C	526646
Metal	Flush button	Red, with white O sign, IP65	2NC	NP2-BA4324C	526647
Metal	Flush button	Red, with white O sign, IP65	1NO+1NC	NP2-BA4325C	526648
Metal	Flush button	Red, IP65	2NO	NP2-BA43C	526581
Metal	Flush button	Red	2NC	NP2-BA44	573965
Metal	Flush button	Red, IP65	2NC	NP2-BA44C	526582

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Flush button	Red	1NO+1NC	NP2-BA45	573966
Metal	Flush button	Red, IP65	1NO+1NC	NP2-BA45C	526583
Metal	Flush button	Yellow	1NO	NP2-BA51	573959
Metal	Flush button	Yellow, IP65	1NO	NP2-BA51C	526584
Metal	Flush button	Yellow	1NC	NP2-BA52	574694
Metal	Flush button	Yellow, IP65	1NC	NP2-BA52C	526585
Metal	Flush button	Yellow	2NO	NP2-BA53	575427
Metal	Flush button	Yellow, IP65	2NO	NP2-BA53C	526586
Metal	Flush button	Yellow	2NC	NP2-BA54	573967
Metal	Flush button	Yellow, IP65	2NC	NP2-BA54C	526587
Metal	Flush button	Yellow	1NO+1NC	NP2-BA55	574370
Metal	Flush button	Yellow, IP65	1NO+1NC	NP2-BA55C	526588
Metal	Flush button	Blue	1NO	NP2-BA61	573892
Metal	Flush button	Blue, IP65	1NO	NP2-BA61C	526589
Metal	Flush button	Blue	1NC	NP2-BA62	575557
Metal	Flush button	Blue, IP65	1NC	NP2-BA62C	526590
Metal	Flush button	Blue	2NO	NP2-BA63	575426
Metal	Flush button	Blue, with white ↕ sign	1NO	NP2-BA6371	680250
Metal	Flush button	Blue, with white ↕ sign	1NC	NP2-BA6372	680252
Metal	Flush button	Blue, with white ↕ sign	2NO	NP2-BA6373	680254
Metal	Flush button	Blue, with white ↕ sign	2NC	NP2-BA6374	680256
Metal	Flush button	Blue, with white ↕ sign	1NO+1NC	NP2-BA6375	680258
Metal	Flush button	Blue, IP65	2NO	NP2-BA63C	526591
Metal	Flush button	Blue	2NC	NP2-BA64	573968
Metal	Flush button	Blue, IP65	2NC	NP2-BA64C	526592
Metal	Flush button	Blue	1NO+1NC	NP2-BA65	574371
Metal	Flush button	Blue, IP65	1NO+1NC	NP2-BA65C	526593
Metal	Flush button	White, latching, IP65	1NO	NP2-BAZ11C	526594
Metal	Flush button	White, latching, IP65	1NC	NP2-BAZ12C	526595
Metal	Flush button	White, latching, IP65	2NO	NP2-BAZ13C	526596
Metal	Flush button	White, latching, IP65	2NC	NP2-BAZ14C	526597
Metal	Flush button	White, latching, IP65	1NO+1NC	NP2-BAZ15C	526598
Metal	Flush button	Black, latching, IP65	1NO	NP2-BAZ21C	526599
Metal	Flush button	Black, latching, IP65	1NC	NP2-BAZ22C	526600
Metal	Flush button	Black, latching, IP65	2NO	NP2-BAZ23C	526601
Metal	Flush button	Black, latching, IP65	2NC	NP2-BAZ24C	526602
Metal	Flush button	Black, latching, IP65	1NO+1NC	NP2-BAZ25C	526603
Metal	Flush button	Green, latching, IP65	1NO	NP2-BAZ31C	526604
Metal	Flush button	Green, latching, IP65	1NC	NP2-BAZ32C	526605
Metal	Flush button	Green, latching, IP65	2NO	NP2-BAZ33C	526606
Metal	Flush button	Green, latching, IP65	2NC	NP2-BAZ34C	526607
Metal	Flush button	Green, latching, IP65	1NO+1NC	NP2-BAZ35C	526608
Metal	Flush button	Red, latching, IP65	1NO	NP2-BAZ41C	526609
Metal	Flush button	Red, latching, IP65	1NC	NP2-BAZ42C	526610

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Flush button	Red, latching, IP65	2NO	NP2-BAZ43C	526611
Metal	Flush button	Red, latching, IP65	2NC	NP2-BAZ44C	526612
Metal	Flush button	Red, latching, IP65	1NO+1NC	NP2-BAZ45C	526613
Metal	Flush button	Yellow, latching, IP65	1NO	NP2-BAZ51C	526614
Metal	Flush button	Yellow, latching, IP65	1NC	NP2-BAZ52C	526615
Metal	Flush button	Yellow, latching, IP65	2NO	NP2-BAZ53C	526616
Metal	Flush button	Yellow, latching, IP65	2NC	NP2-BAZ54C	526617
Metal	Flush button	Yellow, latching, IP65	1NO+1NC	NP2-BAZ55C	526618
Metal	Flush button	Blue, latching, IP65	1NO	NP2-BAZ61C	526619
Metal	Flush button	Blue, latching, IP65	1NC	NP2-BAZ62C	526620
Metal	Flush button	Blue, latching, IP65	2NO	NP2-BAZ63C	526621
Metal	Flush button	Blue, latching, IP65	2NC	NP2-BAZ64C	526622
Metal	Flush button	Blue, latching, IP65	1NO+1NC	NP2-BAZ65C	526623
Metal	Mushroom button	White, Φ40mm	1NO	NP2-BC11	575982
Metal	Mushroom button	White, Φ40mm, IP65	1NO	NP2-BC11C	526679
Metal	Mushroom button	White, Φ40mm	1NC	NP2-BC12	575182
Metal	Mushroom button	White, Φ40mm, IP65	1NC	NP2-BC12C	526680
Metal	Mushroom button	White, Φ40mm	2NO	NP2-BC13	575983
Metal	Mushroom button	White, Φ40mm, IP65	2NO	NP2-BC13C	526681
Metal	Mushroom button	White, Φ40mm	2NC	NP2-BC14	575984
Metal	Mushroom button	White, Φ40mm, IP65	2NC	NP2-BC14C	526682
Metal	Mushroom button	White, Φ40mm	1NO+1NC	NP2-BC15	575985
Metal	Mushroom button	White, Φ40mm, IP65	1NO+1NC	NP2-BC15C	526683
Metal	Mushroom button	Black, Φ40mm	1NO	NP2-BC21	573969
Metal	Mushroom button	Black, Φ40mm, IP65	1NO	NP2-BC21C	526684
Metal	Mushroom button	Black, Φ40mm	1NC	NP2-BC22	573970
Metal	Mushroom button	Black, Φ40mm, IP65	1NC	NP2-BC22C	526685
Metal	Mushroom button	Black, Φ40mm	2NO	NP2-BC23	575949
Metal	Mushroom button	Black, Φ40mm, IP65	2NO	NP2-BC23C	526686
Metal	Mushroom button	Black, Φ40mm	2NC	NP2-BC24	575950
Metal	Mushroom button	Black, Φ40mm, IP65	2NC	NP2-BC24C	526687
Metal	Mushroom button	Black, Φ40mm	1NO+1NC	NP2-BC25	575951
Metal	Mushroom button	Black, Φ40mm, IP65	1NO+1NC	NP2-BC25C	526688
Metal	Mushroom button	Green, Φ40mm	1NO	NP2-BC31	573971
Metal	Mushroom button	Green, Φ40mm, IP65	1NO	NP2-BC31C	526689
Metal	Mushroom button	Green, Φ40mm	1NC	NP2-BC32	573972
Metal	Mushroom button	Green, Φ40mm, IP65	1NC	NP2-BC32C	526690
Metal	Mushroom button	Green, Φ40mm	2NO	NP2-BC33	574228
Metal	Mushroom button	Green, Φ40mm, IP65	2NO	NP2-BC33C	526691
Metal	Mushroom button	Green, Φ40mm	2NC	NP2-BC34	575952
Metal	Mushroom button	Green, Φ40mm, IP65	2NC	NP2-BC34C	526692
Metal	Mushroom button	Green, Φ40mm	1NO+1NC	NP2-BC35	575536
Metal	Mushroom button	Green, Φ40mm, IP65	1NO+1NC	NP2-BC35C	526693
Metal	Mushroom button	Red, Φ40mm	1NO	NP2-BC41	573973

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Mushroom button	Red, Φ40mm, IP65	1NO	NP2-BC41C	526694
Metal	Mushroom button	Red, Φ40mm	1NC	NP2-BC42	573974
Metal	Mushroom button	Red, Φ40mm, IP65	1NC	NP2-BC42C	526695
Metal	Mushroom button	Red, Φ40mm	2NO	NP2-BC43	575871
Metal	Mushroom button	Red, Φ40mm, IP65	2NO	NP2-BC43C	526696
Metal	Mushroom button	Red, Φ40mm	2NC	NP2-BC44	574623
Metal	Mushroom button	Red, Φ40mm, IP65	2NC	NP2-BC44C	526697
Metal	Mushroom button	Red, Φ40mm	1NO+1NC	NP2-BC45	573976
Metal	Mushroom button	Red, Φ40mm, IP65	1NO+1NC	NP2-BC45C	526698
Metal	Mushroom button	Yellow, Φ40mm	1NO	NP2-BC51	575953
Metal	Mushroom button	Yellow, Φ40mm, IP65	1NO	NP2-BC51C	526699
Metal	Mushroom button	Yellow, Φ40mm	1NC	NP2-BC52	573975
Metal	Mushroom button	Yellow, Φ40mm, IP65	1NC	NP2-BC52C	526700
Metal	Mushroom button	Yellow, Φ40mm	2NO	NP2-BC53	575954
Metal	Mushroom button	Yellow, Φ40mm, IP65	2NO	NP2-BC53C	526701
Metal	Mushroom button	Yellow, Φ40mm	2NC	NP2-BC54	575955
Metal	Mushroom button	Yellow, Φ40mm, IP65	2NC	NP2-BC54C	526702
Metal	Mushroom button	Yellow, Φ40mm	1NO+1NC	NP2-BC55	575855
Metal	Mushroom button	Yellow, Φ40mm, IP65	1NO+1NC	NP2-BC55C	526703
Metal	Mushroom button	Blue, Φ40mm	1NO	NP2-BC61	575556
Metal	Mushroom button	Blue, Φ40mm, IP65	1NO	NP2-BC61C	526704
Metal	Mushroom button	Blue, Φ40mm	1NC	NP2-BC62	575186
Metal	Mushroom button	Blue, Φ40mm, IP65	1NC	NP2-BC62C	526705
Metal	Mushroom button	Blue, Φ40mm	2NO	NP2-BC63	575956
Metal	Mushroom button	Blue, Φ40mm, IP65	2NO	NP2-BC63C	526706
Metal	Mushroom button	Blue, Φ40mm	2NC	NP2-BC64	575957
Metal	Mushroom button	Blue, Φ40mm, IP65	2NC	NP2-BC64C	526707
Metal	Mushroom button	Blue, Φ40mm	1NO+1NC	NP2-BC65	575958
Metal	Mushroom button	Blue, Φ40mm, IP65	1NO+1NC	NP2-BC65C	526708
Metal	Selector	2-position, latching	1NO	NP2-BD21	573977
Metal	Selector	2-position, latching, IP65	1NO	NP2-BD21C	526739
Metal	Selector	2-position, latching	1NC	NP2-BD22	573978
Metal	Selector	2-position, latching, IP65	1NC	NP2-BD22C	526740
Metal	Selector	2-position, latching	2NO	NP2-BD23	575418
Metal	Selector	2-position, latching, IP65	2NO	NP2-BD23C	526741
Metal	Selector	2-position, latching	2NC	NP2-BD24	573980
Metal	Selector	2-position, latching, IP65	2NC	NP2-BD24C	526742
Metal	Selector	2-position, latching	1NO+1NC	NP2-BD25	573981
Metal	Selector	2-position, latching, IP65	1NO+1NC	NP2-BD25C	526743
Metal	Selector	3-position, latching	1NO	NP2-BD31	575419
Metal	Selector	3-position, latching, IP65	1NO	NP2-BD31C	526744
Metal	Selector	3-position, latching	1NC	NP2-BD32	257526
Metal	Selector	3-position, latching, IP65	1NC	NP2-BD32C	526745
Metal	Selector	3-position, latching	2NO	NP2-BD33	573982

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Selector	3-position, latching, IP65	2NO	NP2-BD33C	526746
Metal	Selector	3-position, latching	2NC	NP2-BD34	575994
Metal	Selector	3-position, latching, IP65	2NC	NP2-BD34C	526747
Metal	Selector	3-position, latching	1NO+1NC	NP2-BD35	574658
Metal	Selector	3-position, latching, IP65	1NO+1NC	NP2-BD35C	526748
Metal	Selector	2-position, self-return	1NO	NP2-BD41	573979
Metal	Selector	2-position, self-return, IP65	1NO	NP2-BD41C	526749
Metal	Selector	2-position, self-return	1NC	NP2-BD42	575986
Metal	Selector	2-position, self-return, IP65	1NC	NP2-BD42C	526750
Metal	Selector	2-position, self-return	2NO	NP2-BD43	573983
Metal	Selector	2-position, self-return, IP65	2NO	NP2-BD43C	526751
Metal	Selector	2-position, self-return	2NC	NP2-BD44	575987
Metal	Selector	2-position, self-return, IP65	2NC	NP2-BD44C	526752
Metal	Selector	2-position, self-return	1NO+1NC	NP2-BD45	573984
Metal	Selector	2-position, self-return, IP65	1NO+1NC	NP2-BD45C	526753
Metal	Selector	3-position, self-return	1NO	NP2-BD51	575425
Metal	Selector	3-position, self-return, IP65	1NO	NP2-BD51C	526754
Metal	Selector	3-position, self-return	1NC	NP2-BD52	576044
Metal	Selector	3-position, self-return, IP65	1NC	NP2-BD52C	526755
Metal	Selector	3-position, self-return	2NO	NP2-BD53	573985
Metal	Selector	3-position, self-return, IP65	2NO	NP2-BD53C	526756
Metal	Selector	3-position, self-return	2NC	NP2-BD54	575979
Metal	Selector	3-position, self-return, IP65	2NC	NP2-BD54C	526757
Metal	Selector	3-position, self-return	1NO+1NC	NP2-BD55	574659
Metal	Selector	3-position, self-return, IP65	1NO+1NC	NP2-BD55C	526758
Metal	Key selector	2-position, latching	1NO	NP2-BG21	573986
Metal	Key selector	2-position, latching	1NC	NP2-BG22	575552
Metal	Key selector	2-position, latching	2NO	NP2-BG23	575992
Metal	Key selector	2-position, latching	2NC	NP2-BG24	575993
Metal	Key selector	2-position, latching	1NO+1NC	NP2-BG25	573988
Metal	Key selector	3-position, latching	1NO	NP2-BG31	576045
Metal	Key selector	3-position, latching	2NO	NP2-BG33	573989
Metal	Key selector	3-position, latching	2NC	NP2-BG34	575998
Metal	Key selector	3-position, latching	1NO+1NC	NP2-BG35	574654
Metal	Key selector	2-position, self-return	1NO	NP2-BG41	573987
Metal	Key selector	2-position, self-return	1NC	NP2-BG42	575947
Metal	Key selector	2-position, self-return	2NO	NP2-BG43	575539
Metal	Key selector	2-position, self-return	2NC	NP2-BG44	575995
Metal	Key selector	2-position, self-return	1NO+1NC	NP2-BG45	573990
Metal	Key selector	3-position, self-return	1NO	NP2-BG51	576046
Metal	Key selector	3-position, self-return	2NO	NP2-BG53	573991
Metal	Key selector	3-position, self-return	2NC	NP2-BG54	575999
Metal	Key selector	3-position, self-return	1NO+1NC	NP2-BG55	574655
Metal	Selector	Long handle, 2-position, latching	1NO	NP2-BJ21	573992

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Selector	Long handle, 2-position, latching, IP65	1NO	NP2-BJ21C	526759
Metal	Selector	Long handle, 2-position, latching	1NC	NP2-BJ22	575965
Metal	Selector	Long handle, 2-position, latching, IP65	1NC	NP2-BJ22C	526760
Metal	Selector	Long handle, 2-position, latching	2NO	NP2-BJ23	575532
Metal	Selector	Long handle, 2-position, latching, IP65	2NO	NP2-BJ23C	526761
Metal	Selector	Long handle, 2-position, latching	2NC	NP2-BJ24	575988
Metal	Selector	Long handle, 2-position, latching, IP65	2NC	NP2-BJ24C	526762
Metal	Selector	Long handle, 2-position, latching	1NO+1NC	NP2-BJ25	573995
Metal	Selector	Long handle, 2-position, latching, IP65	1NO+1NC	NP2-BJ25C	526763
Metal	Selector	Long handle, 3-position, latching	1NO	NP2-BJ31	573993
Metal	Selector	Long handle, 3-position, latching, IP65	1NO	NP2-BJ31C	526764
Metal	Selector	Long handle, 3-position, latching	1NC	NP2-BJ32	574329
Metal	Selector	Long handle, 3-position, latching, IP65	1NC	NP2-BJ32C	526765
Metal	Selector	Long handle, 3-position, latching	2NO	NP2-BJ33	573996
Metal	Selector	Long handle, 3-position, latching, IP65	2NO	NP2-BJ33C	526766
Metal	Selector	Long handle, 3-position, latching	2NC	NP2-BJ34	575996
Metal	Selector	Long handle, 3-position, latching, IP65	2NC	NP2-BJ34C	526767
Metal	Selector	Long handle, 3-position, latching	1NO+1NC	NP2-BJ35	574209
Metal	Selector	Long handle, 3-position, latching, IP65	1NO+1NC	NP2-BJ35C	526768
Metal	Selector	Long handle, 2-position, self-return	1NO	NP2-BJ41	573994
Metal	Selector	Long handle, 2-position, self-return, IP65	1NO	NP2-BJ41C	526769
Metal	Selector	Long handle, 2-position, self-return	1NC	NP2-BJ42	575989
Metal	Selector	Long handle, 2-position, self-return, IP65	1NC	NP2-BJ42C	526770
Metal	Selector	Long handle, 2-position, self-return	2NO	NP2-BJ43	575990
Metal	Selector	Long handle, 2-position, self-return, IP65	2NO	NP2-BJ43C	526771
Metal	Selector	Long handle, 2-position, self-return	2NC	NP2-BJ44	575991
Metal	Selector	Long handle, 2-position, self-return, IP65	2NC	NP2-BJ44C	526772
Metal	Selector	Long handle, 2-position, self-return	1NO+1NC	NP2-BJ45	573997
Metal	Selector	Long handle, 2-position, self-return, IP65	1NO+1NC	NP2-BJ45C	526773
Metal	Selector	Long handle, 3-position, self-return	1NO	NP2-BJ51	575550
Metal	Selector	Long handle, 3-position, self-return, IP65	1NO	NP2-BJ51C	526774
Metal	Selector	Long handle, 3-position, self-return, IP65	1NC	NP2-BJ52C	526775
Metal	Selector	Long handle, 3-position, self-return	2NO	NP2-BJ53	573998
Metal	Selector	Long handle, 3-position, self-return, IP65	2NO	NP2-BJ53C	526776
Metal	Selector	Long handle, 3-position, self-return	2NC	NP2-BJ54	575997
Metal	Selector	Long handle, 3-position, self-return, IP65	2NC	NP2-BJ54C	526777
Metal	Selector	Long handle, 3-position, self-return	1NO+1NC	NP2-BJ55	574653
Metal	Projecting button	White, IP65	1NO	NP2-BL11C	526649
Metal	Projecting button	White, IP65	1NC	NP2-BL12C	526650
Metal	Projecting button	White, IP65	2NO	NP2-BL13C	526651
Metal	Projecting button	White, IP65	2NC	NP2-BL14C	526652
Metal	Projecting button	White, IP65	1NO+1NC	NP2-BL15C	526653
Metal	Projecting button	Black, IP65	1NO	NP2-BL21C	526654
Metal	Projecting button	Black, IP65	1NC	NP2-BL22C	526655

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Projecting button	Black, IP65	2NO	NP2-BL23C	526656
Metal	Projecting button	Black, IP65	2NC	NP2-BL24C	526657
Metal	Projecting button	Black, IP65	1NO+1NC	NP2-BL25C	526658
Metal	Projecting button	Green, IP65	1NO	NP2-BL31C	526659
Metal	Projecting button	Green, IP65	1NC	NP2-BL32C	526660
Metal	Projecting button	Green, IP65	2NO	NP2-BL33C	526661
Metal	Projecting button	Green, IP65	2NC	NP2-BL34C	526662
Metal	Projecting button	Green, IP65	1NO+1NC	NP2-BL35C	526663
Metal	Projecting button	Red, IP65	1NO	NP2-BL41C	526664
Metal	Projecting button	Red, IP65	1NC	NP2-BL42C	526665
Metal	Projecting button	Red, IP65	2NO	NP2-BL43C	526666
Metal	Projecting button	Red, IP65	2NC	NP2-BL44C	526667
Metal	Projecting button	Red, IP65	1NO+1NC	NP2-BL45C	526668
Metal	Projecting button	Yellow, IP65	1NO	NP2-BL51C	526669
Metal	Projecting button	Yellow, IP65	1NC	NP2-BL52C	526670
Metal	Projecting button	Yellow, IP65	2NO	NP2-BL53C	526671
Metal	Projecting button	Yellow, IP65	2NC	NP2-BL54C	526672
Metal	Projecting button	Yellow, IP65	1NO+1NC	NP2-BL55C	526673
Metal	Projecting button	Blue, IP65	1NO	NP2-BL61C	526674
Metal	Projecting button	Blue, IP65	1NC	NP2-BL62C	526675
Metal	Projecting button	Blue, IP65	2NO	NP2-BL63C	526676
Metal	Projecting button	Blue, IP65	2NC	NP2-BL64C	526677
Metal	Projecting button	Blue, IP65	1NO+1NC	NP2-BL65C	526678
Metal	Flush button with cover	White	1NO	NP2-BP11	162184
Metal	Flush button with cover	Black	1NO	NP2-BP21	575875
Metal	Flush button with cover	Green	1NO	NP2-BP31	575876
Metal	Flush button with cover	Green	1NO+1NC	NP2-BP35	574005
Metal	Flush button with cover	Red	1NO	NP2-BP41	162185
Metal	Flush button with cover	Red	1NC	NP2-BP42	575878
Metal	Flush button with cover	Red	1NO+1NC	NP2-BP45	574006
Metal	Flush button with cover	Yellow	1NO	NP2-BP51	575877
Metal	Flush button with cover	Blue	1NO	NP2-BP61	162186
Metal	Mushroom button	White, Φ60mm, IP65	1NO	NP2-BR11C	526709
Metal	Mushroom button	White, Φ60mm, IP65	1NC	NP2-BR12C	526710
Metal	Mushroom button	White, Φ60mm, IP65	2NO	NP2-BR13C	526711
Metal	Mushroom button	White, Φ60mm, IP65	2NC	NP2-BR14C	526712
Metal	Mushroom button	White, Φ60mm, IP65	1NO+1NC	NP2-BR15C	526713
Metal	Mushroom button	Black, Φ60mm, IP65	1NO	NP2-BR21C	526714
Metal	Mushroom button	Black, Φ60mm, IP65	1NC	NP2-BR22C	526715
Metal	Mushroom button	Black, Φ60mm, IP65	2NO	NP2-BR23C	526716
Metal	Mushroom button	Black, Φ60mm, IP65	2NC	NP2-BR24C	526717
Metal	Mushroom button	Black, Φ60mm, IP65	1NO+1NC	NP2-BR25C	526718
Metal	Mushroom button	Green, Φ60mm, IP65	1NO	NP2-BR31C	526719
Metal	Mushroom button	Green, Φ60mm, IP65	1NC	NP2-BR32C	526720

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Mushroom button	Green, Φ60mm, IP65	2NO	NP2-BR33C	526721
Metal	Mushroom button	Green, Φ60mm, IP65	2NC	NP2-BR34C	526722
Metal	Mushroom button	Green, Φ60mm, IP65	1NO+1NC	NP2-BR35C	526723
Metal	Mushroom button	Red, Φ60mm, IP65	1NO	NP2-BR41C	526724
Metal	Mushroom button	Red, Φ60mm, IP65	1NC	NP2-BR42C	526725
Metal	Mushroom button	Red, Φ60mm, IP65	2NO	NP2-BR43C	526726
Metal	Mushroom button	Red, Φ60mm, IP65	2NC	NP2-BR44C	526727
Metal	Mushroom button	Red, Φ60mm, IP65	1NO+1NC	NP2-BR45C	526728
Metal	Mushroom button	Yellow, Φ60mm, IP65	1NO	NP2-BR51C	526729
Metal	Mushroom button	Yellow, Φ60mm, IP65	1NC	NP2-BR52C	526730
Metal	Mushroom button	Yellow, Φ60mm, IP65	2NO	NP2-BR53C	526731
Metal	Mushroom button	Yellow, Φ60mm, IP65	2NC	NP2-BR54C	526732
Metal	Mushroom button	Yellow, Φ60mm, IP65	1NO+1NC	NP2-BR55C	526733
Metal	Mushroom button	Blue, Φ60mm, IP65	1NO	NP2-BR61C	526734
Metal	Mushroom button	Blue, Φ60mm, IP65	1NC	NP2-BR62C	526735
Metal	Mushroom button	Blue, Φ60mm, IP65	2NO	NP2-BR63C	526736
Metal	Mushroom button	Blue, Φ60mm, IP65	2NC	NP2-BR64C	526737
Metal	Mushroom button	Blue, Φ60mm, IP65	1NO+1NC	NP2-BR65C	526738
Metal	Mushroom button	Red, Φ40mm, latching, key release	1NC	NP2-BS142	574799
Metal	Mushroom button	Red, Φ40mm, latching, key release	1NO+1NC	NP2-BS145	259043
Metal	Mushroom button	Red, Φ30mm, latching, turn release	1NO	NP2-BS441	574011
Metal	Mushroom button	Red, Φ30mm, latching, turn release, IP65	1NO	NP2-BS441C	526779
Metal	Mushroom button	Red, Φ30mm, latching, turn release	1NC	NP2-BS442	574012
Metal	Mushroom button	Red, Φ30mm, latching, turn release, IP65	1NC	NP2-BS442C	526780
Metal	Mushroom button	Red, Φ30mm, latching, turn release	2NO	NP2-BS443	218799
Metal	Mushroom button	Red, Φ30mm, latching, turn release, IP65	2NO	NP2-BS443C	526781
Metal	Mushroom button	Red, Φ30mm, latching, turn release	2NC	NP2-BS444	576030
Metal	Mushroom button	Red, Φ30mm, latching, turn release, IP65	2NC	NP2-BS444C	526782
Metal	Mushroom button	Red, Φ30mm, latching, turn release	1NO+1NC	NP2-BS445	574013
Metal	Mushroom button	Red, Φ30mm, latching, turn release, IP65	1NO+1NC	NP2-BS445C	526783
Metal	Mushroom button	Green, Φ40mm, latching, turn release	1NO+1NC	NP2-BS535	680259
Metal	Mushroom button	Red, Φ40mm, latching, turn release	1NO	NP2-BS541	574014
Metal	Mushroom button	Red, Φ40mm, latching, turn release, IP65	1NO	NP2-BS541C	526784
Metal	Mushroom button	Red, Φ40mm, latching, turn release	1NC	NP2-BS542	573894
Metal	Mushroom button	Red, Φ40mm, latching, turn release, IP65	1NC	NP2-BS542C	526785
Metal	Mushroom button	Red, Φ40mm, latching, turn release	2NO	NP2-BS543	575966
Metal	Mushroom button	Red, Φ40mm, latching, turn release, IP65	2NO	NP2-BS543C	526786
Metal	Mushroom button	Red, Φ40mm, latching, turn release	2NC	NP2-BS544	574015
Metal	Mushroom button	Red, Φ40mm, latching, turn release, IP65	2NC	NP2-BS544C	526787
Metal	Mushroom button	Red, Φ40mm, latching, turn release	1NO+1NC	NP2-BS545	574016
Metal	Mushroom button	Red, Φ40mm, latching, turn release, IP65	1NO+1NC	NP2-BS545C	526788
Metal	Mushroom button	Yellow, Φ40mm, latching, turn release	1NO+1NC	NP2-BS555	680260
Metal	Mushroom button	Red, Φ60mm, latching, turn release	1NO	NP2-BS641	575211
Metal	Mushroom button	Red, Φ60mm, latching, turn release, IP65	1NO	NP2-BS641C	526789

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Mushroom button	Red, Φ60mm, latching, turn release	1NC	NP2-BS642	574017
Metal	Mushroom button	Red, Φ60mm, latching, turn release, IP65	1NC	NP2-BS642C	526790
Metal	Mushroom button	Red, Φ60mm, latching, turn release, IP65	2NO	NP2-BS643C	526791
Metal	Mushroom button	Red, Φ60mm, latching, turn release	2NC	NP2-BS644	575535
Metal	Mushroom button	Red, Φ60mm, latching, turn release, IP65	2NC	NP2-BS644C	526792
Metal	Mushroom button	Red, Φ60mm, latching, turn release	1NO+1NC	NP2-BS645	574018
Metal	Mushroom button	Red, Φ60mm, latching, turn release, IP65	1NO+1NC	NP2-BS645C	526793
Metal	Mushroom button	Red, Φ40mm, latching, pull release	1NC	NP2-BT42	576101
Metal	Mushroom button	Red, Φ40mm, latching, pull release	2NC	NP2-BT44	576102
Metal	Mushroom button	Red, Φ40mm, latching, pull release	1NO+1NC	NP2-BT45	576103
Metal	Pilot light	White, 110V LED	-	NP2-BV61 110V LED	575648
Metal	Pilot light	White, 12V LED	-	NP2-BV61 12V LED	575765
Metal	Pilot light	White, 220V LED	-	NP2-BV61 220V LED	574386
Metal	Pilot light	White, 230V LED	-	NP2-BV61 230V LED	575214
Metal	Pilot light	White, 240V LED	-	NP2-BV61 240V LED	576068
Metal	Pilot light	White, 24V LED	-	NP2-BV61 24V LED	574331
Metal	Pilot light	White, 48V LED	-	NP2-BV61 48V LED	575527
Metal	Pilot light	White, 220V LED, IP65	-	NP2-BV61C 220V LED	526999
Metal	Pilot light	White, 24V LED, IP65	-	NP2-BV61C 24V LED	526994
Metal	Pilot light	Green, 110V LED	-	NP2-BV63 110V LED	574044
Metal	Pilot light	Green, 120V LED	-	NP2-BV63 120V LED	576061
Metal	Pilot light	Green, 12V LED	-	NP2-BV63 12V LED	575766
Metal	Pilot light	Green, 220V LED	-	NP2-BV63 220V LED	574048
Metal	Pilot light	Green, 230V LED	-	NP2-BV63 230V LED	575420
Metal	Pilot light	Green, 240V LED	-	NP2-BV63 240V LED	576069
Metal	Pilot light	Green, 24V LED	-	NP2-BV63 24V LED	574045
Metal	Pilot light	Green, 48V LED	-	NP2-BV63 48V LED	575528
Metal	Pilot light	Green, 220V LED, IP65	-	NP2-BV63C 220V LED	527060
Metal	Pilot light	Green, 24V LED, IP65	-	NP2-BV63C 24V LED	526995
Metal	Pilot light	Red, 110V LED	-	NP2-BV64 110V LED	574043
Metal	Pilot light	Red, 120V LED	-	NP2-BV64 120V LED	576062
Metal	Pilot light	Red, 12V LED	-	NP2-BV64 12V LED	575767
Metal	Pilot light	Red, 220V LED	-	NP2-BV64 220V LED	574049
Metal	Pilot light	Red, 230V LED	-	NP2-BV64 230V LED	574786
Metal	Pilot light	Red, 240V LED	-	NP2-BV64 240V LED	576070
Metal	Pilot light	Red, 24V LED	-	NP2-BV64 24V LED	574046
Metal	Pilot light	Red, 48V LED	-	NP2-BV64 48V LED	575444
Metal	Pilot light	Red, 220V LED, IP65	-	NP2-BV64C 220V LED	527061
Metal	Pilot light	Red, 24V LED, IP65	-	NP2-BV64C 24V LED	526996
Metal	Pilot light	Yellow, 110V LED	-	NP2-BV65 110V LED	575626
Metal	Pilot light	Yellow, 12V LED	-	NP2-BV65 12V LED	575768
Metal	Pilot light	Yellow, 220V LED	-	NP2-BV65 220V LED	574050
Metal	Pilot light	Yellow, 230V LED	-	NP2-BV65 230V LED	574787
Metal	Pilot light	Yellow, 240V LED	-	NP2-BV65 240V LED	576071

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Pilot light	Yellow, 24V LED	-	NP2-BV65 24V LED	574047
Metal	Pilot light	Yellow, 48V LED	-	NP2-BV65 48V LED	575529
Metal	Pilot light	Yellow, 220V LED, IP65	-	NP2-BV65C 220V LED	527062
Metal	Pilot light	Yellow, 24V LED, IP65	-	NP2-BV65C 24V LED	526997
Metal	Pilot light	Blue, 110V LED	-	NP2-BV66 110V LED	575646
Metal	Pilot light	Blue, 220V LED	-	NP2-BV66 220V LED	575623
Metal	Pilot light	Blue, 230V LED	-	NP2-BV66 230V LED	575723
Metal	Pilot light	Blue, 24V LED	-	NP2-BV66 24V LED	575218
Metal	Pilot light	Blue, 220V LED, IP65	-	NP2-BV66C 220V LED	527063
Metal	Pilot light	Blue, 24V LED, IP65	-	NP2-BV66C 24V LED	526998
Metal	Illuminated projecting button	White, 220V LED, IP65	1NO	NP2-BW1161C 220V LED	526819
Metal	Illuminated projecting button	White, 24V LED, IP65	1NO	NP2-BW1161C 24V LED	526794
Metal	Illuminated projecting button	White, 220V LED, IP65	1NC	NP2-BW1162C 220V LED	526820
Metal	Illuminated projecting button	White, 24V LED, IP65	1NC	NP2-BW1162C 24V LED	526795
Metal	Illuminated projecting button	White, 220V LED, IP65	2NO	NP2-BW1163C 220V LED	526821
Metal	Illuminated projecting button	White, 24V LED, IP65	2NO	NP2-BW1163C 24V LED	526796
Metal	Illuminated projecting button	White, 220V LED, IP65	2NC	NP2-BW1164C 220V LED	526822
Metal	Illuminated projecting button	White, 24V LED, IP65	2NC	NP2-BW1164C 24V LED	526797
Metal	Illuminated projecting button	White, 220V LED, IP65	1NO+1NC	NP2-BW1165C 220V LED	526823
Metal	Illuminated projecting button	White, 24V LED, IP65	1NO+1NC	NP2-BW1165C 24V LED	526798
Metal	Illuminated projecting button	Green, 220V LED, IP65	1NO	NP2-BW1361C 220V LED	526824
Metal	Illuminated projecting button	Green, 24V LED, IP65	1NO	NP2-BW1361C 24V LED	526799
Metal	Illuminated projecting button	Green, 220V LED, IP65	1NC	NP2-BW1362C 220V LED	526825
Metal	Illuminated projecting button	Green, 24V LED, IP65	1NC	NP2-BW1362C 24V LED	526800
Metal	Illuminated projecting button	Green, 220V LED, IP65	2NO	NP2-BW1363C 220V LED	526826
Metal	Illuminated projecting button	Green, 24V LED, IP65	2NO	NP2-BW1363C 24V LED	526801
Metal	Illuminated projecting button	Green, 220V LED, IP65	2NC	NP2-BW1364C 220V LED	526827
Metal	Illuminated projecting button	Green, 24V LED, IP65	2NC	NP2-BW1364C 24V LED	526802
Metal	Illuminated projecting button	Green, 220V LED, IP65	1NO+1NC	NP2-BW1365C 220V LED	526828
Metal	Illuminated projecting button	Green, 24V LED, IP65	1NO+1NC	NP2-BW1365C 24V LED	526803
Metal	Illuminated projecting button	Red, 220V LED, IP65	1NO	NP2-BW1461C 220V LED	526829
Metal	Illuminated projecting button	Red, 24V LED, IP65	1NO	NP2-BW1461C 24V LED	526804
Metal	Illuminated projecting button	Red, 220V LED, IP65	1NC	NP2-BW1462C 220V LED	526830
Metal	Illuminated projecting button	Red, 24V LED, IP65	1NC	NP2-BW1462C 24V LED	526805
Metal	Illuminated projecting button	Red, 220V LED, IP65	2NO	NP2-BW1463C 220V LED	526831
Metal	Illuminated projecting button	Red, 24V LED, IP65	2NO	NP2-BW1463C 24V LED	526806
Metal	Illuminated projecting button	Red, 220V LED, IP65	2NC	NP2-BW1464C 220V LED	526832
Metal	Illuminated projecting button	Red, 24V LED, IP65	2NC	NP2-BW1464C 24V LED	526807
Metal	Illuminated projecting button	Red, 220V LED, IP65	1NO+1NC	NP2-BW1465C 220V LED	526833
Metal	Illuminated projecting button	Red, 24V LED, IP65	1NO+1NC	NP2-BW1465C 24V LED	526808
Metal	Illuminated projecting button	Yellow, 220V LED, IP65	1NO	NP2-BW1561C 220V LED	526834
Metal	Illuminated projecting button	Yellow, 24V LED, IP65	1NO	NP2-BW1561C 24V LED	526809
Metal	Illuminated projecting button	Yellow, 220V LED, IP65	1NC	NP2-BW1562C 220V LED	526835
Metal	Illuminated projecting button	Yellow, 24V LED, IP65	1NC	NP2-BW1562C 24V LED	526810

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Illuminated projecting button	Yellow, 220V LED, IP65	2NO	NP2-BW1563C 220V LED	526836
Metal	Illuminated projecting button	Yellow, 24V LED, IP65	2NO	NP2-BW1563C 24V LED	526811
Metal	Illuminated projecting button	Yellow, 220V LED, IP65	2NC	NP2-BW1564C 220V LED	526837
Metal	Illuminated projecting button	Yellow, 24V LED, IP65	2NC	NP2-BW1564C 24V LED	526812
Metal	Illuminated projecting button	Yellow, 220V LED, IP65	1NO+1NC	NP2-BW1565C 220V LED	526838
Metal	Illuminated projecting button	Yellow, 24V LED, IP65	1NO+1NC	NP2-BW1565C 24V LED	526813
Metal	Illuminated projecting button	Blue, 220V LED, IP65	1NO	NP2-BW1661C 220V LED	526839
Metal	Illuminated projecting button	Blue, 24V LED, IP65	1NO	NP2-BW1661C 24V LED	526814
Metal	Illuminated projecting button	Blue, 220V LED, IP65	1NC	NP2-BW1662C 220V LED	526840
Metal	Illuminated projecting button	Blue, 24V LED, IP65	1NC	NP2-BW1662C 24V LED	526815
Metal	Illuminated projecting button	Blue, 220V LED, IP65	2NO	NP2-BW1663C 220V LED	526841
Metal	Illuminated projecting button	Blue, 24V LED, IP65	2NO	NP2-BW1663C 24V LED	526816
Metal	Illuminated projecting button	Blue, 220V LED, IP65	2NC	NP2-BW1664C 220V LED	526842
Metal	Illuminated projecting button	Blue, 24V LED, IP65	2NC	NP2-BW1664C 24V LED	526817
Metal	Illuminated projecting button	Blue, 220V LED, IP65	1NO+1NC	NP2-BW1665C 220V LED	526843
Metal	Illuminated projecting button	Blue, 24V LED, IP65	1NO+1NC	NP2-BW1665C 24V LED	526818
Metal	Illuminated flush button	White, 220V LED, IP65	1NO	NP2-BW3161C 220V LED	526869
Metal	Illuminated flush button	White, 24V LED, IP65	1NO	NP2-BW3161C 24V LED	526844
Metal	Illuminated flush button	White, 220V LED, IP65	1NC	NP2-BW3162C 220V LED	526870
Metal	Illuminated flush button	White, 24V LED, IP65	1NC	NP2-BW3162C 24V LED	526845
Metal	Illuminated flush button	White, 220V LED, IP65	2NO	NP2-BW3163C 220V LED	526871
Metal	Illuminated flush button	White, 24V LED, IP65	2NO	NP2-BW3163C 24V LED	526846
Metal	Illuminated flush button	White, 220V LED, IP65	2NC	NP2-BW3164C 220V LED	526872
Metal	Illuminated flush button	White, 24V LED, IP65	2NC	NP2-BW3164C 24V LED	526847
Metal	Illuminated flush button	White, 220V LED, IP65	1NO+1NC	NP2-BW3165C 220V LED	526873
Metal	Illuminated flush button	White, 24V LED, IP65	1NO+1NC	NP2-BW3165C 24V LED	526848
Metal	Illuminated flush button	Green, 220V LED, IP65	1NO	NP2-BW3361C 220V LED	526874
Metal	Illuminated flush button	Green, 24V LED, IP65	1NO	NP2-BW3361C 24V LED	526849
Metal	Illuminated flush button	Green, 220V LED, IP65	1NC	NP2-BW3362C 220V LED	526875
Metal	Illuminated flush button	Green, 24V LED, IP65	1NC	NP2-BW3362C 24V LED	526850
Metal	Illuminated flush button	Green, 220V LED, IP65	2NO	NP2-BW3363C 220V LED	526876
Metal	Illuminated flush button	Green, 24V LED, IP65	2NO	NP2-BW3363C 24V LED	526851
Metal	Illuminated flush button	Green, 220V LED, IP65	2NC	NP2-BW3364C 220V LED	526877
Metal	Illuminated flush button	Green, 24V LED, IP65	2NC	NP2-BW3364C 24V LED	526852
Metal	Illuminated flush button	Green, 220V LED, IP65	1NO+1NC	NP2-BW3365C 220V LED	526878
Metal	Illuminated flush button	Green, 24V LED, IP65	1NO+1NC	NP2-BW3365C 24V LED	526853
Metal	Illuminated flush button	Red, 220V LED, IP65	1NO	NP2-BW3461C 220V LED	526879
Metal	Illuminated flush button	Red, 24V LED, IP65	1NO	NP2-BW3461C 24V LED	526854
Metal	Illuminated flush button	Red, 220V LED, IP65	1NC	NP2-BW3462C 220V LED	526880
Metal	Illuminated flush button	Red, 24V LED, IP65	1NC	NP2-BW3462C 24V LED	526855
Metal	Illuminated flush button	Red, 220V LED, IP65	2NO	NP2-BW3463C 220V LED	526881
Metal	Illuminated flush button	Red, 24V LED, IP65	2NO	NP2-BW3463C 24V LED	526856
Metal	Illuminated flush button	Red, 220V LED, IP65	2NC	NP2-BW3464C 220V LED	526882
Metal	Illuminated flush button	Red, 24V LED, IP65	2NC	NP2-BW3464C 24V LED	526857

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Illuminated flush button	Red, 220V LED, IP65	1NO+1NC	NP2-BW3465C 220V LED	526883
Metal	Illuminated flush button	Red, 24V LED, IP65	1NO+1NC	NP2-BW3465C 24V LED	526858
Metal	Illuminated flush button	Yellow, 220V LED, IP65	1NO	NP2-BW3561C 220V LED	526884
Metal	Illuminated flush button	Yellow, 24V LED, IP65	1NO	NP2-BW3561C 24V LED	526859
Metal	Illuminated flush button	Yellow, 220V LED, IP65	1NC	NP2-BW3562C 220V LED	526885
Metal	Illuminated flush button	Yellow, 24V LED, IP65	1NC	NP2-BW3562C 24V LED	526860
Metal	Illuminated flush button	Yellow, 220V LED, IP65	2NO	NP2-BW3563C 220V LED	526886
Metal	Illuminated flush button	Yellow, 24V LED, IP65	2NO	NP2-BW3563C 24V LED	526861
Metal	Illuminated flush button	Yellow, 220V LED, IP65	2NC	NP2-BW3564C 220V LED	526887
Metal	Illuminated flush button	Yellow, 24V LED, IP65	2NC	NP2-BW3564C 24V LED	526862
Metal	Illuminated flush button	Yellow, 220V LED, IP65	1NO+1NC	NP2-BW3565C 220V LED	526888
Metal	Illuminated flush button	Yellow, 24V LED, IP65	1NO+1NC	NP2-BW3565C 24V LED	526863
Metal	Illuminated flush button	Blue, 220V LED, IP65	1NO	NP2-BW3661C 220V LED	526889
Metal	Illuminated flush button	Blue, 24V LED, IP65	1NO	NP2-BW3661C 24V LED	526864
Metal	Illuminated flush button	Blue, 220V LED, IP65	1NC	NP2-BW3662C 220V LED	526890
Metal	Illuminated flush button	Blue, 24V LED, IP65	1NC	NP2-BW3662C 24V LED	526865
Metal	Illuminated flush button	Blue, 220V LED, IP65	2NO	NP2-BW3663C 220V LED	526891
Metal	Illuminated flush button	Blue, 24V LED, IP65	2NO	NP2-BW3663C 24V LED	526866
Metal	Illuminated flush button	Blue, 220V LED, IP65	2NC	NP2-BW3664C 220V LED	526892
Metal	Illuminated flush button	Blue, 24V LED, IP65	2NC	NP2-BW3664C 24V LED	526867
Metal	Illuminated flush button	Blue, 220V LED, IP65	1NO+1NC	NP2-BW3665C 220V LED	526893
Metal	Illuminated flush button	Blue, 24V LED, IP65	1NO+1NC	NP2-BW3665C 24V LED	526868
Metal	Illuminated flush button	White, latching, 220V LED, IP65	1NO	NP2-BW3Z161C 220V LED	526919
Metal	Illuminated flush button	White, latching, 24V LED, IP65	1NO	NP2-BW3Z161C 24V LED	526894
Metal	Illuminated flush button	White, latching, 220V LED, IP65	1NC	NP2-BW3Z162C 220V LED	526920
Metal	Illuminated flush button	White, latching, 24V LED, IP65	1NC	NP2-BW3Z162C 24V LED	526895
Metal	Illuminated flush button	White, latching, 220V LED, IP65	2NO	NP2-BW3Z163C 220V LED	526921
Metal	Illuminated flush button	White, latching, 24V LED, IP65	2NO	NP2-BW3Z163C 24V LED	526896
Metal	Illuminated flush button	White, latching, 220V LED, IP65	2NC	NP2-BW3Z164C 220V LED	526922
Metal	Illuminated flush button	White, latching, 24V LED, IP65	2NC	NP2-BW3Z164C 24V LED	526897
Metal	Illuminated flush button	White, latching, 220V LED, IP65	1NO+1NC	NP2-BW3Z165C 220V LED	526923
Metal	Illuminated flush button	White, latching, 24V LED, IP65	1NO+1NC	NP2-BW3Z165C 24V LED	526898
Metal	Illuminated flush button	Green, latching, 220V LED, IP65	1NO	NP2-BW3Z361C 220V LED	526924
Metal	Illuminated flush button	Green, latching, 24V LED, IP65	1NO	NP2-BW3Z361C 24V LED	526899
Metal	Illuminated flush button	Green, latching, 220V LED, IP65	1NC	NP2-BW3Z362C 220V LED	526925
Metal	Illuminated flush button	Green, latching, 24V LED, IP65	1NC	NP2-BW3Z362C 24V LED	526900
Metal	Illuminated flush button	Green, latching, 220V LED, IP65	2NO	NP2-BW3Z363C 220V LED	526926
Metal	Illuminated flush button	Green, latching, 24V LED, IP65	2NO	NP2-BW3Z363C 24V LED	526901
Metal	Illuminated flush button	Green, latching, 220V LED, IP65	2NC	NP2-BW3Z364C 220V LED	526927
Metal	Illuminated flush button	Green, latching, 24V LED, IP65	2NC	NP2-BW3Z364C 24V LED	526902
Metal	Illuminated flush button	Green, latching, 220V LED, IP65	1NO+1NC	NP2-BW3Z365C 220V LED	526928
Metal	Illuminated flush button	Green, latching, 24V LED, IP65	1NO+1NC	NP2-BW3Z365C 24V LED	526903
Metal	Illuminated flush button	Red, latching, 220V LED, IP65	1NO	NP2-BW3Z461C 220V LED	526929
Metal	Illuminated flush button	Red, latching, 24V LED, IP65	1NO	NP2-BW3Z461C 24V LED	526904

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Illuminated flush button	Red, latching, 220V LED, IP65	1NC	NP2-BW3Z462C 220V LED	526930
Metal	Illuminated flush button	Red, latching, 24V LED, IP65	1NC	NP2-BW3Z462C 24V LED	526905
Metal	Illuminated flush button	Red, latching, 220V LED, IP65	2NO	NP2-BW3Z463C 220V LED	526931
Metal	Illuminated flush button	Red, latching, 24V LED, IP65	2NO	NP2-BW3Z463C 24V LED	526906
Metal	Illuminated flush button	Red, latching, 220V LED, IP65	2NC	NP2-BW3Z464C 220V LED	526932
Metal	Illuminated flush button	Red, latching, 24V LED, IP65	2NC	NP2-BW3Z464C 24V LED	526907
Metal	Illuminated flush button	Red, latching, 220V LED, IP65	1NO+1NC	NP2-BW3Z465C 220V LED	526933
Metal	Illuminated flush button	Red, latching, 24V LED, IP65	1NO+1NC	NP2-BW3Z465C 24V LED	526908
Metal	Illuminated flush button	Yellow, latching, 220V LED, IP65	1NO	NP2-BW3Z561C 220V LED	526934
Metal	Illuminated flush button	Yellow, latching, 24V LED, IP65	1NO	NP2-BW3Z561C 24V LED	526909
Metal	Illuminated flush button	Yellow, latching, 220V LED, IP65	1NC	NP2-BW3Z562C 220V LED	526935
Metal	Illuminated flush button	Yellow, latching, 24V LED, IP65	1NC	NP2-BW3Z562C 24V LED	526910
Metal	Illuminated flush button	Yellow, latching, 220V LED, IP65	2NO	NP2-BW3Z563C 220V LED	526936
Metal	Illuminated flush button	Yellow, latching, 24V LED, IP65	2NO	NP2-BW3Z563C 24V LED	526911
Metal	Illuminated flush button	Yellow, latching, 220V LED, IP65	2NC	NP2-BW3Z564C 220V LED	526937
Metal	Illuminated flush button	Yellow, latching, 24V LED, IP65	2NC	NP2-BW3Z564C 24V LED	526912
Metal	Illuminated flush button	Yellow, latching, 220V LED, IP65	1NO+1NC	NP2-BW3Z565C 220V LED	526938
Metal	Illuminated flush button	Yellow, latching, 24V LED, IP65	1NO+1NC	NP2-BW3Z565C 24V LED	526913
Metal	Illuminated flush button	Blue, latching, 220V LED, IP65	1NO	NP2-BW3Z661C 220V LED	526939
Metal	Illuminated flush button	Blue, latching, 24V LED, IP65	1NO	NP2-BW3Z661C 24V LED	526914
Metal	Illuminated flush button	Blue, latching, 220V LED, IP65	1NC	NP2-BW3Z662C 220V LED	526940
Metal	Illuminated flush button	Blue, latching, 24V LED, IP65	1NC	NP2-BW3Z662C 24V LED	526915
Metal	Illuminated flush button	Blue, latching, 220V LED, IP65	2NO	NP2-BW3Z663C 220V LED	526941
Metal	Illuminated flush button	Blue, latching, 24V LED, IP65	2NO	NP2-BW3Z663C 24V LED	526916
Metal	Illuminated flush button	Blue, latching, 220V LED, IP65	2NC	NP2-BW3Z664C 220V LED	526942
Metal	Illuminated flush button	Blue, latching, 24V LED, IP65	2NC	NP2-BW3Z664C 24V LED	526917
Metal	Illuminated flush button	Blue, latching, 220V LED, IP65	1NO+1NC	NP2-BW3Z665C 220V LED	526943
Metal	Illuminated flush button	Blue, latching, 24V LED, IP65	1NO+1NC	NP2-BW3Z665C 24V LED	526918
Metal	Illuminated mushroom button	White, latching, 220V LED, IP65	1NO	NP2-BW4161C 220V LED	526969
Metal	Illuminated mushroom button	White, latching, 24V LED, IP65	1NO	NP2-BW4161C 24V LED	526944
Metal	Illuminated mushroom button	White, latching, 220V LED, IP65	1NC	NP2-BW4162C 220V LED	526970
Metal	Illuminated mushroom button	White, latching, 24V LED, IP65	1NC	NP2-BW4162C 24V LED	526945
Metal	Illuminated mushroom button	White, latching, 220V LED, IP65	2NO	NP2-BW4163C 220V LED	526971
Metal	Illuminated mushroom button	White, latching, 24V LED, IP65	2NO	NP2-BW4163C 24V LED	526946
Metal	Illuminated mushroom button	White, latching, 220V LED, IP65	2NC	NP2-BW4164C 220V LED	526972
Metal	Illuminated mushroom button	White, latching, 24V LED, IP65	2NC	NP2-BW4164C 24V LED	526947
Metal	Illuminated mushroom button	White, latching, 220V LED, IP65	1NO+1NC	NP2-BW4165C 220V LED	526973
Metal	Illuminated mushroom button	White, latching, 24V LED, IP65	1NO+1NC	NP2-BW4165C 24V LED	526948
Metal	Illuminated mushroom button	Green, latching, 220V LED, IP65	1NO	NP2-BW4361C 220V LED	526974
Metal	Illuminated mushroom button	Green, latching, 24V LED, IP65	1NO	NP2-BW4361C 24V LED	526949
Metal	Illuminated mushroom button	Green, latching, 220V LED, IP65	1NC	NP2-BW4362C 220V LED	526975
Metal	Illuminated mushroom button	Green, latching, 24V LED, IP65	1NC	NP2-BW4362C 24V LED	526950
Metal	Illuminated mushroom button	Green, latching, 220V LED, IP65	2NO	NP2-BW4363C 220V LED	526976
Metal	Illuminated mushroom button	Green, latching, 24V LED, IP65	2NO	NP2-BW4363C 24V LED	526951

Material	Type	Color or Function	Contact	Model Description	Code
Metal	Illuminated mushroom button	Green, latching, 220V LED, IP65	2NC	NP2-BW4364C 220V LED	526977
Metal	Illuminated mushroom button	Green, latching, 24V LED, IP65	2NC	NP2-BW4364C 24V LED	526952
Metal	Illuminated mushroom button	Green, latching, 220V LED, IP65	1NO+1NC	NP2-BW4365C 220V LED	526978
Metal	Illuminated mushroom button	Green, latching, 24V LED, IP65	1NO+1NC	NP2-BW4365C 24V LED	526953
Metal	Illuminated mushroom button	Red, latching, 220V LED, IP65	1NO	NP2-BW4461C 220V LED	526979
Metal	Illuminated mushroom button	Red, latching, 24V LED, IP65	1NO	NP2-BW4461C 24V LED	526954
Metal	Illuminated mushroom button	Red, latching, 220V LED, IP65	1NC	NP2-BW4462C 220V LED	526980
Metal	Illuminated mushroom button	Red, latching, 24V LED, IP65	1NC	NP2-BW4462C 24V LED	526955
Metal	Illuminated mushroom button	Red, latching, 220V LED, IP65	2NO	NP2-BW4463C 220V LED	526981
Metal	Illuminated mushroom button	Red, latching, 24V LED, IP65	2NO	NP2-BW4463C 24V LED	526956
Metal	Illuminated mushroom button	Red, latching, 220V LED, IP65	2NC	NP2-BW4464C 220V LED	526982
Metal	Illuminated mushroom button	Red, latching, 24V LED, IP65	2NC	NP2-BW4464C 24V LED	526957
Metal	Illuminated mushroom button	Red, latching, 220V LED, IP65	1NO+1NC	NP2-BW4465C 220V LED	526983
Metal	Illuminated mushroom button	Red, latching, 24V LED, IP65	1NO+1NC	NP2-BW4465C 24V LED	526958
Metal	Illuminated mushroom button	Yellow, latching, 220V LED, IP65	1NO	NP2-BW4561C 220V LED	526984
Metal	Illuminated mushroom button	Yellow, latching, 24V LED, IP65	1NO	NP2-BW4561C 24V LED	526959
Metal	Illuminated mushroom button	Yellow, latching, 220V LED, IP65	1NC	NP2-BW4562C 220V LED	526985
Metal	Illuminated mushroom button	Yellow, latching, 24V LED, IP65	1NC	NP2-BW4562C 24V LED	526960
Metal	Illuminated mushroom button	Yellow, latching, 220V LED, IP65	2NO	NP2-BW4563C 220V LED	526986
Metal	Illuminated mushroom button	Yellow, latching, 24V LED, IP65	2NO	NP2-BW4563C 24V LED	526961
Metal	Illuminated mushroom button	Yellow, latching, 220V LED, IP65	2NC	NP2-BW4564C 220V LED	526987
Metal	Illuminated mushroom button	Yellow, latching, 24V LED, IP65	2NC	NP2-BW4564C 24V LED	526962
Metal	Illuminated mushroom button	Yellow, latching, 220V LED, IP65	1NO+1NC	NP2-BW4565C 220V LED	526988
Metal	Illuminated mushroom button	Yellow, latching, 24V LED, IP65	1NO+1NC	NP2-BW4565C 24V LED	526963
Metal	Illuminated mushroom button	Blue, latching, 220V LED, IP65	1NO	NP2-BW4661C 220V LED	526989
Metal	Illuminated mushroom button	Blue, latching, 24V LED, IP65	1NO	NP2-BW4661C 24V LED	526964
Metal	Illuminated mushroom button	Blue, latching, 220V LED, IP65	1NC	NP2-BW4662C 220V LED	526990
Metal	Illuminated mushroom button	Blue, latching, 24V LED, IP65	1NC	NP2-BW4662C 24V LED	526965
Metal	Illuminated mushroom button	Blue, latching, 220V LED, IP65	2NO	NP2-BW4663C 220V LED	526991
Metal	Illuminated mushroom button	Blue, latching, 24V LED, IP65	2NO	NP2-BW4663C 24V LED	526966
Metal	Illuminated mushroom button	Blue, latching, 220V LED, IP65	2NC	NP2-BW4664C 220V LED	526992
Metal	Illuminated mushroom button	Blue, latching, 24V LED, IP65	2NC	NP2-BW4664C 24V LED	526967
Metal	Illuminated mushroom button	Blue, latching, 220V LED, IP65	1NO+1NC	NP2-BW4665C 220V LED	526993
Metal	Illuminated mushroom button	Blue, latching, 24V LED, IP65	1NO+1NC	NP2-BW4665C 24V LED	526968
Metal	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 110V LED	1NO+1NC	NP2-BW8465 110V LED	574630
Metal	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 12V LED	1NO+1NC	NP2-BW8465 12V LED	574351
Metal	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 220V LED	1NO+1NC	NP2-BW8465 220V LED	574909
Metal	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 230V LED	1NO+1NC	NP2-BW8465 230V LED	574789
Metal	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 240V LED	1NO+1NC	NP2-BW8465 240V LED	680169
Metal	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 24V LED	1NO+1NC	NP2-BW8465 24V LED	574368
Metal	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 48V LED	1NO+1NC	NP2-BW8465 48V LED	574352
Metal	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 6V LED	1NO+1NC	NP2-BW8465 6V LED	575612
Metal	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 380V LED	1NO+1NC	NP2-BW8485 380V LED	576134
Plastic	Flush button	White	1NO	NP2-EA11	574576

Material	Type	Color or Function	Contact	Model Description	Code
Plastic	Flush button	White	1NC	NP2-EA12	575873
Plastic	Flush button	White	2NO	NP2-EA13	575866
Plastic	Flush button	White, with black ⬇ sign	1NO	NP2-EA1341	252614
Plastic	Flush button	White, with black ⬇ sign	1NC	NP2-EA1342	680227
Plastic	Flush button	White, with black ⬇ sign	2NO	NP2-EA1343	680228
Plastic	Flush button	White, with black ⬇ sign	2NC	NP2-EA1344	680229
Plastic	Flush button	White, with black ⬇ sign	1NO+1NC	NP2-EA1345	680230
Plastic	Flush button	White	2NC	NP2-EA14	575867
Plastic	Flush button	White	1NO+1NC	NP2-EA15	574372
Plastic	Flush button	Black	1NO	NP2-EA21	574084
Plastic	Flush button	Black	1NC	NP2-EA22	574624
Plastic	Flush button	Black	2NO	NP2-EA23	574636
Plastic	Flush button	Black, with white ⬆ sign	1NO	NP2-EA2351	252615
Plastic	Flush button	Black, with white ⬆ sign	1NC	NP2-EA2352	680231
Plastic	Flush button	Black, with white ⬆ sign	2NO	NP2-EA2353	680232
Plastic	Flush button	Black, with white ⬆ sign	2NC	NP2-EA2354	680233
Plastic	Flush button	Black, with white ⬆ sign	1NO+1NC	NP2-EA2355	680234
Plastic	Flush button	Black	2NC	NP2-EA24	575239
Plastic	Flush button	Black	1NO+1NC	NP2-EA25	574090
Plastic	Flush button	Green	1NO	NP2-EA31	574085
Plastic	Flush button	Green	1NC	NP2-EA32	574088
Plastic	Flush button	Green	2NO	NP2-EA33	573895
Plastic	Flush button	Green	2NC	NP2-EA34	575868
Plastic	Flush button	Green	1NO+1NC	NP2-EA35	573899
Plastic	Flush button	Red	1NO	NP2-EA41	574628
Plastic	Flush button	Red	1NC	NP2-EA42	574089
Plastic	Flush button	Red	2NO	NP2-EA43	574637
Plastic	Flush button	Red	2NC	NP2-EA44	574638
Plastic	Flush button	Red	1NO+1NC	NP2-EA45	574091
Plastic	Flush button	Yellow	1NO	NP2-EA51	574086
Plastic	Flush button	Yellow	1NC	NP2-EA52	575555
Plastic	Flush button	Yellow	2NO	NP2-EA53	573889
Plastic	Flush button	Yellow	2NC	NP2-EA54	575869
Plastic	Flush button	Yellow	1NO+1NC	NP2-EA55	574373
Plastic	Flush button	Blue	1NO	NP2-EA61	574087
Plastic	Flush button	Blue	1NC	NP2-EA62	575240
Plastic	Flush button	Blue	2NO	NP2-EA63	575874
Plastic	Flush button	Blue, with white ↕ sign	1NO	NP2-EA6371	680200
Plastic	Flush button	Blue, with white ↕ sign	1NC	NP2-EA6372	680201
Plastic	Flush button	Blue, with white ↕ sign	2NO	NP2-EA6373	680202
Plastic	Flush button	Blue, with white ↕ sign	2NC	NP2-EA6374	680203
Plastic	Flush button	Blue, with white ↕ sign	1NO+1NC	NP2-EA6375	680204
Plastic	Flush button	Blue	2NC	NP2-EA64	575870
Plastic	Flush button	Blue	1NO+1NC	NP2-EA65	574374

Material	Type	Color or Function	Contact	Model Description	Code
Plastic	Mushroom button	White, Φ40mm	1NO	NP2-EC11	576000
Plastic	Mushroom button	White, Φ40mm	1NC	NP2-EC12	576002
Plastic	Mushroom button	White, Φ40mm	2NO	NP2-EC13	576003
Plastic	Mushroom button	White, Φ40mm	2NC	NP2-EC14	576008
Plastic	Mushroom button	White, Φ40mm	1NO+1NC	NP2-EC15	576013
Plastic	Mushroom button	Black, Φ40mm	1NO	NP2-EC21	575246
Plastic	Mushroom button	Black, Φ40mm	1NC	NP2-EC22	574092
Plastic	Mushroom button	Black, Φ40mm	2NO	NP2-EC23	576004
Plastic	Mushroom button	Black, Φ40mm	2NC	NP2-EC24	576009
Plastic	Mushroom button	Black, Φ40mm	1NO+1NC	NP2-EC25	575544
Plastic	Mushroom button	Green, Φ40mm	1NO	NP2-EC31	574790
Plastic	Mushroom button	Green, Φ40mm	1NC	NP2-EC32	574093
Plastic	Mushroom button	Green, Φ40mm	2NO	NP2-EC33	576005
Plastic	Mushroom button	Green, Φ40mm	2NC	NP2-EC34	576010
Plastic	Mushroom button	Red, Φ40mm	1NO	NP2-EC41	574791
Plastic	Mushroom button	Red, Φ40mm	1NC	NP2-EC42	573896
Plastic	Mushroom button	Red, Φ40mm	2NO	NP2-EC43	575872
Plastic	Mushroom button	Red, Φ40mm	2NC	NP2-EC44	574335
Plastic	Mushroom button	Red, Φ40mm	1NO+1NC	NP2-EC45	575579
Plastic	Mushroom button	Yellow, Φ40mm	1NO	NP2-EC51	575854
Plastic	Mushroom button	Yellow, Φ40mm	1NC	NP2-EC52	574094
Plastic	Mushroom button	Yellow, Φ40mm	2NO	NP2-EC53	576006
Plastic	Mushroom button	Yellow, Φ40mm	2NC	NP2-EC54	576011
Plastic	Mushroom button	Yellow, Φ40mm	1NO+1NC	NP2-EC55	575959
Plastic	Mushroom button	Blue, Φ40mm	1NO	NP2-EC61	576001
Plastic	Mushroom button	Blue, Φ40mm	1NC	NP2-EC62	575961
Plastic	Mushroom button	Blue, Φ40mm	2NO	NP2-EC63	576007
Plastic	Mushroom button	Blue, Φ40mm	2NC	NP2-EC64	576012
Plastic	Mushroom button	Blue, Φ40mm	1NO+1NC	NP2-EC65	575960
Plastic	Selector	2-position, latching	1NO	NP2-ED21	574095
Plastic	Selector	2-position, latching	1NC	NP2-ED22	574097
Plastic	Selector	2-position, latching	2NO	NP2-ED23	575422
Plastic	Selector	2-position, latching	2NC	NP2-ED24	576014
Plastic	Selector	2-position, latching	1NO+1NC	NP2-ED25	574100
Plastic	Selector	3-position, latching	1NO	NP2-ED31	575257
Plastic	Selector	3-position, latching	2NO	NP2-ED33	574098
Plastic	Selector	3-position, latching	2NC	NP2-ED34	574666
Plastic	Selector	3-position, latching	1NO+1NC	NP2-ED35	575423
Plastic	Selector	2-position, self-return	1NO	NP2-ED41	574096
Plastic	Selector	2-position, self-return	1NC	NP2-ED42	575945
Plastic	Selector	2-position, self-return	2NO	NP2-ED43	575553
Plastic	Selector	2-position, self-return	2NC	NP2-ED44	576015
Plastic	Selector	2-position, self-return	1NO+1NC	NP2-ED45	574101
Plastic	Selector	3-position, self-return	1NO	NP2-ED51	575523

Material	Type	Color or Function	Contact	Model Description	Code
Plastic	Selector	3-position, self-return	1NC	NP2-ED52	576056
Plastic	Selector	3-position, self-return	2NO	NP2-ED53	574099
Plastic	Selector	3-position, self-return	2NC	NP2-ED54	575962
Plastic	Selector	3-position, self-return	1NO+1NC	NP2-ED55	575558
Plastic	Key selector	2-position, latching	1NO	NP2-EG21	574102
Plastic	Key selector	2-position, latching	1NC	NP2-EG22	575946
Plastic	Key selector	2-position, latching	2NO	NP2-EG23	575554
Plastic	Key selector	2-position, latching	2NC	NP2-EG24	576021
Plastic	Key selector	2-position, latching	1NO+1NC	NP2-EG25	574106
Plastic	Key selector	3-position, latching	1NO	NP2-EG31	575264
Plastic	Key selector	3-position, latching	2NO	NP2-EG33	574104
Plastic	Key selector	3-position, latching	2NC	NP2-EG34	576026
Plastic	Key selector	3-position, latching	1NO+1NC	NP2-EG35	576027
Plastic	Key selector	2-position, self-return	1NO	NP2-EG41	574103
Plastic	Key selector	2-position, self-return	1NC	NP2-EG42	575541
Plastic	Key selector	2-position, self-return	2NO	NP2-EG43	574213
Plastic	Key selector	2-position, self-return	2NC	NP2-EG44	576022
Plastic	Key selector	2-position, self-return	1NO+1NC	NP2-EG45	574107
Plastic	Key selector	3-position, self-return	1NO	NP2-EG51	575562
Plastic	Key selector	3-position, self-return	2NO	NP2-EG53	574105
Plastic	Key selector	3-position, self-return	2NC	NP2-EG54	576028
Plastic	Key selector	3-position, self-return	1NO+1NC	NP2-EG55	576029
Plastic	Selector	Long handle, 2-position, latching	1NO	NP2-EJ21	574108
Plastic	Selector	Long handle, 2-position, latching	1NC	NP2-EJ22	576016
Plastic	Selector	Long handle, 2-position, latching	2NO	NP2-EJ23	575540
Plastic	Selector	Long handle, 2-position, latching	2NC	NP2-EJ24	576017
Plastic	Selector	Long handle, 2-position, latching	1NO+1NC	NP2-EJ25	574112
Plastic	Selector	Long handle, 3-position, latching	1NO	NP2-EJ31	576052
Plastic	Selector	Long handle, 3-position, latching	2NO	NP2-EJ33	574110
Plastic	Selector	Long handle, 3-position, latching	2NC	NP2-EJ34	576023
Plastic	Selector	Long handle, 3-position, latching	1NO+1NC	NP2-EJ35	575424
Plastic	Selector	Long handle, 2-position, self-return	1NO	NP2-EJ41	574109
Plastic	Selector	Long handle, 2-position, self-return	1NC	NP2-EJ42	576018
Plastic	Selector	Long handle, 2-position, self-return	2NO	NP2-EJ43	576019
Plastic	Selector	Long handle, 2-position, self-return	2NC	NP2-EJ44	576020
Plastic	Selector	Long handle, 2-position, self-return	1NO+1NC	NP2-EJ45	574113
Plastic	Selector	Long handle, 3-position, self-return	2NO	NP2-EJ53	574111
Plastic	Selector	Long handle, 3-position, self-return	2NC	NP2-EJ54	576024
Plastic	Selector	Long handle, 3-position, self-return	1NO+1NC	NP2-EJ55	576025
Plastic	Mushroom button	White, Φ60mm	1NO	NP2-ER11	680236
Plastic	Mushroom button	White, Φ60mm	1NO+1NC	NP2-ER15	576047
Plastic	Mushroom button	Black, Φ60mm	1NO	NP2-ER21	680237
Plastic	Mushroom button	Black, Φ60mm	1NC	NP2-ER22	574115
Plastic	Mushroom button	Black, Φ60mm	1NO+1NC	NP2-ER25	576048

Material	Type	Color or Function	Contact	Model Description	Code
Plastic	Mushroom button	Green, Φ60mm	1NO	NP2-ER31	575282
Plastic	Mushroom button	Green, Φ60mm	1NC	NP2-ER32	574116
Plastic	Mushroom button	Green, Φ60mm	1NO+1NC	NP2-ER35	576049
Plastic	Mushroom button	Red, Φ60mm	1NO	NP2-ER41	575283
Plastic	Mushroom button	Red, Φ60mm	1NC	NP2-ER42	574117
Plastic	Mushroom button	Red, Φ60mm	2NC	NP2-ER44	575831
Plastic	Mushroom button	Red, Φ60mm	1NO+1NC	NP2-ER45	575578
Plastic	Mushroom button	Yellow, Φ60mm	1NO	NP2-ER51	680238
Plastic	Mushroom button	Yellow, Φ60mm	1NC	NP2-ER52	574118
Plastic	Mushroom button	Yellow, Φ60mm	1NO+1NC	NP2-ER55	576050
Plastic	Mushroom button	Blue, Φ60mm	1NO	NP2-ER61	680239
Plastic	Mushroom button	Blue, Φ60mm	1NO+1NC	NP2-ER65	576051
Plastic	Mushroom button	Red, Φ40mm, latching with status indication, turn release	1NO	NP2-ES341	680205
Plastic	Mushroom button	Red, Φ40mm, latching with status indication, turn release	1NC	NP2-ES342	680206
Plastic	Mushroom button	Red, Φ40mm, latching with status indication, turn release	2NO	NP2-ES343	680207
Plastic	Mushroom button	Red, Φ40mm, latching with status indication, turn release	2NC	NP2-ES344	680208
Plastic	Mushroom button	Red, Φ40mm, latching with status indication, turn release	1NO+1NC	NP2-ES345	680209
Plastic	Mushroom button	Red, Φ30mm, latching, turn release	1NO	NP2-ES441	574625
Plastic	Mushroom button	Red, Φ30mm, latching, turn release	1NC	NP2-ES442	573897
Plastic	Mushroom button	Red, Φ30mm, latching, turn release	2NC	NP2-ES444	576032
Plastic	Mushroom button	Red, Φ30mm, latching, turn release	1NO+1NC	NP2-ES445	574119
Plastic	Mushroom button	Red, Φ40mm, latching, turn release	1NO	NP2-ES541	574182
Plastic	Mushroom button	Red, Φ40mm, latching, turn release	1NC	NP2-ES542	574120
Plastic	Mushroom button	Red, Φ40mm, latching, turn release	2NO	NP2-ES543	574353
Plastic	Mushroom button	Red, Φ40mm, latching, turn release	2NC	NP2-ES544	574354
Plastic	Mushroom button	Red, Φ40mm, latching, turn release	1NO+1NC	NP2-ES545	574121
Plastic	Mushroom button	Red, Φ60mm, latching, turn release	1NO	NP2-ES641	575286
Plastic	Mushroom button	Red, Φ60mm, latching, turn release	1NC	NP2-ES642	573898
Plastic	Mushroom button	Red, Φ60mm, latching, turn release	1NO+1NC	NP2-ES645	574122
Plastic	Pilot light	White, 110V LED, economic type	-	NP2-EV161 110V LED	575784
Plastic	Pilot light	White, 220V LED, economic type	-	NP2-EV161 220V LED	575700
Plastic	Pilot light	White, 230V LED, economic type	-	NP2-EV161 230V LED	575713
Plastic	Pilot light	White, 24V LED, economic type	-	NP2-EV161 24V LED	575697
Plastic	Pilot light	White, 6V LED, economic type	-	NP2-EV161 6V LED	574133
Plastic	Pilot light	Green, 110V LED, economic type	-	NP2-EV163 110V LED	575769
Plastic	Pilot light	Green, 220V LED, economic type	-	NP2-EV163 220V LED	575736
Plastic	Pilot light	Green, 230V LED, economic type	-	NP2-EV163 230V LED	575714
Plastic	Pilot light	Green, 24V LED, economic type	-	NP2-EV163 24V LED	575711
Plastic	Pilot light	Red, 110V LED, economic type	-	NP2-EV164 110V LED	575770
Plastic	Pilot light	Red, 220V LED, economic type	-	NP2-EV164 220V LED	575737
Plastic	Pilot light	Red, 230V LED, economic type	-	NP2-EV164 230V LED	575715
Plastic	Pilot light	Red, 24V LED, economic type	-	NP2-EV164 24V LED	575712
Plastic	Pilot light	Yellow, 220V LED, economic type	-	NP2-EV165 220V LED	575738
Plastic	Pilot light	Yellow, 230V LED, economic type	-	NP2-EV165 230V LED	575716

Material	Type	Color or Function	Contact	Model Description	Code
Plastic	Pilot light	Yellow, 24V LED, economic type	-	NP2-EV165 24V LED	575698
Plastic	Pilot light	Blue, 220V LED, economic type	-	NP2-EV166 220V LED	575701
Plastic	Pilot light	Blue, 230V LED, economic type	-	NP2-EV166 230V LED	575717
Plastic	Pilot light	Blue, 24V LED, economic type	-	NP2-EV166 24V LED	575699
Plastic	Pilot light	White, 110V LED	-	NP2-EV61 110V LED	680150
Plastic	Pilot light	White, 220V LED	-	NP2-EV61 220V LED	574798
Plastic	Pilot light	White, 230V LED	-	NP2-EV61 230V LED	575521
Plastic	Pilot light	White, 24V LED	-	NP2-EV61 24V LED	575296
Plastic	Pilot light	Green, 110V LED	-	NP2-EV63 110V LED	575773
Plastic	Pilot light	Green, 220V LED	-	NP2-EV63 220V LED	574582
Plastic	Pilot light	Green, 230V LED	-	NP2-EV63 230V LED	575297
Plastic	Pilot light	Green, 240V LED	-	NP2-EV63 240V LED	680146
Plastic	Pilot light	Green, 24V LED	-	NP2-EV63 24V LED	574629
Plastic	Pilot light	Green, 48V LED	-	NP2-EV63 48V LED	680212
Plastic	Pilot light	Red, 110V LED	-	NP2-EV64 110V LED	575774
Plastic	Pilot light	Red, 220V LED	-	NP2-EV64 220V LED	574583
Plastic	Pilot light	Red, 230V LED	-	NP2-EV64 230V LED	575298
Plastic	Pilot light	Red, 24V LED	-	NP2-EV64 24V LED	574142
Plastic	Pilot light	Yellow, 110V LED	-	NP2-EV65 110V LED	575775
Plastic	Pilot light	Yellow, 220V LED	-	NP2-EV65 220V LED	574668
Plastic	Pilot light	Yellow, 230V LED	-	NP2-EV65 230V LED	575709
Plastic	Pilot light	Yellow, 240V LED	-	NP2-EV65 240V LED	576072
Plastic	Pilot light	Yellow, 24V LED	-	NP2-EV65 24V LED	575299
Plastic	Pilot light	Blue, 220V LED	-	NP2-EV66 220V LED	574683
Plastic	Pilot light	Blue, 230V LED	-	NP2-EV66 230V LED	575710
Plastic	Pilot light	Blue, 24V LED	-	NP2-EV66 24V LED	575300
Plastic	Illuminated flush button	White, 220V LED	1NO	NP2-EW3161 220V LED	575628
Plastic	Illuminated flush button	White, 230V LED	1NO	NP2-EW3161 230V LED	575301
Plastic	Illuminated flush button	White, 24V LED	1NO	NP2-EW3161 24V LED	574792
Plastic	Illuminated flush button	White, 230V LED	1NC	NP2-EW3162 230V LED	575751
Plastic	Illuminated flush button	White, 230V LED	2NO	NP2-EW3163 230V LED	575755
Plastic	Illuminated flush button	White, 230V LED	2NC	NP2-EW3164 230V LED	575760
Plastic	Illuminated flush button	White, 220V LED	1NO+1NC	NP2-EW3165 220V LED	575644
Plastic	Illuminated flush button	White, 230V LED	1NO+1NC	NP2-EW3165 230V LED	575305
Plastic	Illuminated flush button	White, 24V LED	1NO+1NC	NP2-EW3165 24V LED	575306
Plastic	Illuminated flush button	Green, 110V LED	1NO	NP2-EW3361 110V LED	575771
Plastic	Illuminated flush button	Green, 12V LED	1NO	NP2-EW3361 12V LED	575308
Plastic	Illuminated flush button	Green, 220V LED	1NO	NP2-EW3361 220V LED	574556
Plastic	Illuminated flush button	Green, 230V LED	1NO	NP2-EW3361 230V LED	575309
Plastic	Illuminated flush button	Green, 24V LED	1NO	NP2-EW3361 24V LED	574557
Plastic	Illuminated flush button	Green, 48V LED	1NO	NP2-EW3361 48V LED	576057
Plastic	Illuminated flush button	Green, 220V LED	1NC	NP2-EW3362 220V LED	575679
Plastic	Illuminated flush button	Green, 230V LED	1NC	NP2-EW3362 230V LED	575752
Plastic	Illuminated flush button	Green, 24V LED	1NC	NP2-EW3362 24V LED	576133

Material	Type	Color or Function	Contact	Model Description	Code
Plastic	Illuminated flush button	Green, 110V LED	2NO	NP2-EW3363 110V LED	253737
Plastic	Illuminated flush button	Green, 230V LED	2NO	NP2-EW3363 230V LED	575756
Plastic	Illuminated flush button	Green, 24V LED	2NO	NP2-EW3363 24V LED	575572
Plastic	Illuminated flush button	Green, 230V LED	2NC	NP2-EW3364 230V LED	575761
Plastic	Illuminated flush button	Green, 110V LED	1NO+1NC	NP2-EW3365 110V LED	575573
Plastic	Illuminated flush button	Green, 12V LED	1NO+1NC	NP2-EW3365 12V LED	575524
Plastic	Illuminated flush button	Green, 220V LED	1NO+1NC	NP2-EW3365 220V LED	574164
Plastic	Illuminated flush button	Green, 230V LED	1NO+1NC	NP2-EW3365 230V LED	575718
Plastic	Illuminated flush button	Green, 24V LED	1NO+1NC	NP2-EW3365 24V LED	575316
Plastic	Illuminated flush button	Green, 48V LED	1NO+1NC	NP2-EW3365 48V LED	575441
Plastic	Illuminated flush button	Red, 110V LED	1NO	NP2-EW3461 110V LED	680187
Plastic	Illuminated flush button	Red, 12V LED	1NO	NP2-EW3461 12V LED	575317
Plastic	Illuminated flush button	Red, 220V LED	1NO	NP2-EW3461 220V LED	575446
Plastic	Illuminated flush button	Red, 230V LED	1NO	NP2-EW3461 230V LED	575318
Plastic	Illuminated flush button	Red, 24V LED	1NO	NP2-EW3461 24V LED	575319
Plastic	Illuminated flush button	Red, 48V LED	1NO	NP2-EW3461 48V LED	576058
Plastic	Illuminated flush button	Red, 110V LED	1NC	NP2-EW3462 110V LED	575772
Plastic	Illuminated flush button	Red, 220V LED	1NC	NP2-EW3462 220V LED	575666
Plastic	Illuminated flush button	Red, 230V LED	1NC	NP2-EW3462 230V LED	575322
Plastic	Illuminated flush button	Red, 24V LED	1NC	NP2-EW3462 24V LED	575548
Plastic	Illuminated flush button	Red, 230V LED	2NO	NP2-EW3463 230V LED	575757
Plastic	Illuminated flush button	Red, 110V LED	2NC	NP2-EW3464 110V LED	253736
Plastic	Illuminated flush button	Red, 230V LED	2NC	NP2-EW3464 230V LED	575762
Plastic	Illuminated flush button	Red, 24V LED	2NC	NP2-EW3464 24V LED	680215
Plastic	Illuminated flush button	Red, 110V LED	1NO+1NC	NP2-EW3465 110V LED	575680
Plastic	Illuminated flush button	Red, 12V LED	1NO+1NC	NP2-EW3465 12V LED	575525
Plastic	Illuminated flush button	Red, 220V LED	1NO+1NC	NP2-EW3465 220V LED	575645
Plastic	Illuminated flush button	Red, 230V LED	1NO+1NC	NP2-EW3465 230V LED	575328
Plastic	Illuminated flush button	Red, 24V LED	1NO+1NC	NP2-EW3465 24V LED	575330
Plastic	Illuminated flush button	Yellow, 220V LED	1NO	NP2-EW3561 220V LED	574555
Plastic	Illuminated flush button	Yellow, 230V LED	1NO	NP2-EW3561 230V LED	575331
Plastic	Illuminated flush button	Yellow, 24V LED	1NO	NP2-EW3561 24V LED	574326
Plastic	Illuminated flush button	Yellow, 220V LED	1NC	NP2-EW3562 220V LED	575678
Plastic	Illuminated flush button	Yellow, 230V LED	1NC	NP2-EW3562 230V LED	575753
Plastic	Illuminated flush button	Yellow, 230V LED	2NO	NP2-EW3563 230V LED	575758
Plastic	Illuminated flush button	Yellow, 230V LED	2NC	NP2-EW3564 230V LED	575763
Plastic	Illuminated flush button	Yellow, 220V LED	1NO+1NC	NP2-EW3565 220V LED	574163
Plastic	Illuminated flush button	Yellow, 230V LED	1NO+1NC	NP2-EW3565 230V LED	575719
Plastic	Illuminated flush button	Yellow, 24V LED	1NO+1NC	NP2-EW3565 24V LED	575336
Plastic	Illuminated flush button	Yellow, 48V LED	1NO+1NC	NP2-EW3565 48V LED	575442
Plastic	Illuminated flush button	Blue, 220V LED	1NO	NP2-EW3661 220V LED	575629
Plastic	Illuminated flush button	Blue, 230V LED	1NO	NP2-EW3661 230V LED	575337
Plastic	Illuminated flush button	Blue, 24V LED	1NO	NP2-EW3661 24V LED	575338
Plastic	Illuminated flush button	Blue, 12V LED	1NC	NP2-EW3662 12V LED	680264

Material	Type	Color or Function	Contact	Model Description	Code
Plastic	Illuminated flush button	Blue, 230V LED	1NC	NP2-EW3662 230V LED	575754
Plastic	Illuminated flush button	Blue, 230V LED	2NO	NP2-EW3663 230V LED	575759
Plastic	Illuminated flush button	Blue, 24V LED	2NO	NP2-EW3663 24V LED	680218
Plastic	Illuminated flush button	Blue, 230V LED	2NC	NP2-EW3664 230V LED	575764
Plastic	Illuminated flush button	Blue, 220V LED	1NO+1NC	NP2-EW3665 220V LED	575447
Plastic	Illuminated flush button	Blue, 230V LED	1NO+1NC	NP2-EW3665 230V LED	575720
Plastic	Illuminated flush button	Blue, 24V LED	1NO+1NC	NP2-EW3665 24V LED	575342
Plastic	Illuminated flush button	Blue, 48V LED	1NO+1NC	NP2-EW3665 48V LED	575443
Plastic	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 110V LED	1NO+1NC	NP2-EW8465 110V LED	575624
Plastic	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 220V LED	1NO+1NC	NP2-EW8465 220V LED	575343
Plastic	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 230V LED	1NO+1NC	NP2-EW8465 230V LED	575344
Plastic	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 24V LED	1NO+1NC	NP2-EW8465 24V LED	575439
Plastic	Illuminated double headed button	1 green flush, 1 red projecting and 1 white pilot light, 48V LED	1NO+1NC	NP2-EW8465 48V LED	576076
Plastic	Box	Empty box, yellow, 1 hole	-	NP2-J01	575575
Plastic	Box	Empty box,yellow, 2 holes	-	NP2-J02	575574
Plastic	Box	Yellow box with 1 red mushroom button, Φ40mm, latching, turn release	1NC	NP2-J174	574165
Plastic	Box	Yellow box with 1 red mushroom button, Φ40mm, latching, turn release, with STOP label	1NC	NP2-J174H29	574166



NP6 Series Pushbuttons

1. General

Electric ratings: AC50/60Hz, AC220V/DC220V;
Degree of protection: IP65(Working face)
Standard: IEC/EN60947-5-1

2. Operating conditions

2.1 Ambient temperature is -40℃～+70℃ , the average temperature during 24 hours couldn't exceed +35℃ .

2.2 Altitude: ≤2000m.

2.3 Atmosphere condition: Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is +40 ℃ ; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches +20 ℃ , the relative humidity is up to 90%. As for dews, which contingently appear due to change of temperature, special steps should be taken.

2.4 Pollution degree: 3

2.5 Overvoltage category: Ⅲ

3. Technical data

Rated insulated voltage Ui: 250V
Conventional heating current Ith: 5A

Rated operational voltage Ue(V)		24	110	220
Rated operational current Ie(A)	AC-15	-	0.7	0.5
	DC-13	0.7	-	0.1

CE



Flush,
latching
NP6- □□ BS/ □□



Flush,
momentary
NP6- □□ B/ □□



Illuminated flush,
latching
NP6- □□ DS/ □□



Illuminated flush,
momentary
NP6- □□ D/ □□



Mushroom-headed,
momentary
NP6- □□ J/ □□



Mushroom-headed,
latching
NP6- □□ ZS/ □



Key switch
NP6- □□ Y/ □□



Selector switch
NP6- □□ X/ □□



Indicator light
NP6-XD/ □□

4. Data of lamps of illuminated button

Rated operational voltage(V)	6	12	24
Rated operational current(mA)		≤20	
Color	🔴 🟢 🟡 🔵 ⚪		
Life(h)	≥30000		

4.1 Contact

Contact resistance: ≤50mΩ

4.2 Durability

Electric life (operation circles) Instantaneous button: AC: 500×10^3 ,DC: 250×10^3 Selector switch: 100×10^3

Mechanical life (operation circles) Instantaneous button: 1×10^6 Selector switch: 100×10^3

4.3 Short-circuit protective device: NT00-16 6A

★ Momentary Flush Pushbutton-(Non illuminated)

NP6- □□ B/ □ J	Model	Color	
	NP6-11B/1J	⚪	1
	NP6-11B/2J	⚫	1
	NP6-11B/3J	🟢	1
	NP6-11B/4J	🔴	1
	NP6-11B/5J	🟡	1
	NP6-11B/6J	🔵	1
	NP6-22B/1J	⚪	2
	NP6-22B/2J	⚫	2
	NP6-22B/3J	🟢	2
	NP6-22B/4J	🔴	2
	NP6-22B/5J	🟡	2
	NP6-22B/6J	🔵	2

NP6- □□ B/ □ F	Model	Color	
	NP6-11B/1F	⚪	1
	NP6-11B/2F	⚫	1
	NP6-11B/3F	🟢	1
	NP6-11B/4F	🔴	1
	NP6-11B/5F	🟡	1
	NP6-11B/6F	🔵	1
	NP6-22B/1F	⚪	2
	NP6-22B/2F	⚫	2
	NP6-22B/3F	🟢	2
	NP6-22B/4F	🔴	2
	NP6-22B/5F	🟡	2
	NP6-22B/6F	🔵	2

NP6- □□ B/ □ Y	Model	Color	
	NP6-11B/1Y	⚪	1
	NP6-11B/2Y	⚫	1
	NP6-11B/3Y	🟢	1
	NP6-11B/4Y	🔴	1
	NP6-11B/5Y	🟡	1
	NP6-11B/6Y	🔵	1
	NP6-22B/1Y	⚪	2
	NP6-22B/2Y	⚫	2
	NP6-22B/3Y	🟢	2
	NP6-22B/4Y	🔴	2
	NP6-22B/5Y	🟡	2
	NP6-22B/6Y	🔵	2

★ Momentary Flush Pushbutton-(Non illuminated)(Latching)

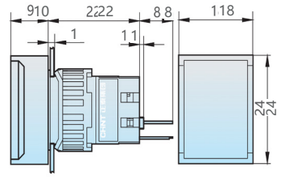
NP6- □□ BS/ □ J	Model	Color	
	NP6-11BS/1J	⚪	1
	NP6-11BS/2J	⚫	1
	NP6-11BS/3J	🟢	1
	NP6-11BS/4J	🔴	1
	NP6-11BS/5J	🟡	1
	NP6-11BS/6J	🔵	1
	NP6-22BS/1J	⚪	2
	NP6-22BS/2J	⚫	2
	NP6-22BS/3J	🟢	2
	NP6-22BS/4J	🔴	2
	NP6-22BS/5J	🟡	2
	NP6-22BS/6J	🔵	2

NP6- □□ BS/ □ F	Model	Color	
	NP6-11BS/1F	⚪	1
	NP6-11BS/2F	⚫	1
	NP6-11BS/3F	🟢	1
	NP6-11BS/4F	🔴	1
	NP6-11BS/5F	🟡	1
	NP6-11BS/6F	🔵	1
	NP6-22BS/1F	⚪	2
	NP6-22BS/2F	⚫	2
	NP6-22BS/3F	🟢	2
	NP6-22BS/4F	🔴	2
	NP6-22BS/5F	🟡	2
	NP6-22BS/6F	🔵	2

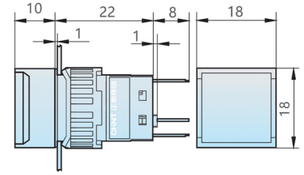
NP6- □□ BS/ □ Y	Model	Color	
	NP6-11BS/1Y	⚪	1
	NP6-11BS/2Y	⚫	1
	NP6-11BS/3Y	🟢	1
	NP6-11BS/4Y	🔴	1
	NP6-11BS/5Y	🟡	1
	NP6-11BS/6Y	🔵	1
	NP6-22BS/1Y	⚪	2
	NP6-22BS/2Y	⚫	2
	NP6-22BS/3Y	🟢	2
	NP6-22BS/4Y	🔴	2
	NP6-22BS/5Y	🟡	2
	NP6-22BS/6Y	🔵	2

Dimensions(mm)

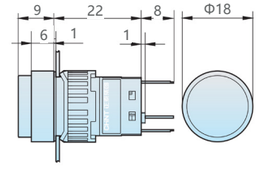
NP6- □□ B □ / □ J



NP6- □□ B □ / □ F



NP6- □□ B □ / □ Y



★ Momentary Flush Pushbutton-(Illuminated) (AC 6V,12V,24V)

NP6- □□ D/ □ J	Model	Color	
 Rectangle 5PINS	NP6-11D/1J	⚪	1
	NP6-11D/3J	🟢	1
	NP6-11D/4J	🔴	1
	NP6-11D/5J	🟡	1
	NP6-11D/6J	🔵	1
	NP6-22D/1J	⚪	2
	NP6-22D/3J	🟢	2
	NP6-22D/4J	🔴	2
	NP6-22D/5J	🟡	2
	NP6-22D/6J	🔵	2

★ Momentary Flush Pushbutton-(Illuminated) (AC 6V,12V,24V , Latching)

NP6- □□ DS/ □ J	Model	Color	
 Rectangle 5PINS	NP6-11DS/1J	⚪	1
	NP6-11DS/3J	🟢	1
	NP6-11DS/4J	🔴	1
	NP6-11DS/5J	🟡	1
	NP6-11DS/6J	🔵	1
	NP6-22DS/1J	⚪	2
	NP6-22DS/3J	🟢	2
	NP6-22DS/4J	🔴	2
	NP6-22DS/5J	🟡	2
	NP6-22DS/6J	🔵	2

NP6- □□ D/ □ F	Model	Color	⌙
	NP6-11D/1F	○	1
	NP6-11D/3F	●	1
	NP6-11D/4F	●	1
	NP6-11D/5F	●	1
	NP6-11D/6F	●	1
	NP6-22D/1F	○	2
	NP6-22D/3F	●	2
	NP6-22D/4F	●	2
	NP6-22D/5F	●	2
	NP6-22D/6F	●	2

NP6- □□ DS/ □ F	Model	Color	⌙
	NP6-11DS/1F	○	1
	NP6-11DS/3F	●	1
	NP6-11DS/4F	●	1
	NP6-11DS/5F	●	1
	NP6-11DS/6F	●	1
	NP6-22DS/1F	○	2
	NP6-22DS/3F	●	2
	NP6-22DS/4F	●	2
	NP6-22DS/5F	●	2
	NP6-22DS/6F	●	2

NP6- □□ D/ □ Y	Model	Color	⌙
	NP6-11D/1Y	○	1
	NP6-11D/3Y	●	1
	NP6-11D/4Y	●	1
	NP6-11D/5Y	●	1
	NP6-11D/6Y	●	1
	NP6-22D/1Y	○	2
	NP6-22D/3Y	●	2
	NP6-22D/4Y	●	2
	NP6-22D/5Y	●	2
	NP6-22D/6Y	●	2

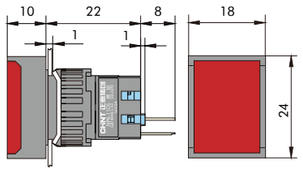
Round 5PINS

NP6- □□ DS/ □ Y	Model	Color	⌙
	NP6-11DS/1Y	○	1
	NP6-11DS/3Y	●	1
	NP6-11DS/4Y	●	1
	NP6-11DS/5Y	●	1
	NP6-11DS/6Y	●	1
	NP6-22DS/1Y	○	2
	NP6-22DS/3Y	●	2
	NP6-22DS/4Y	●	2
	NP6-22DS/5Y	●	2
	NP6-22DS/6Y	●	2

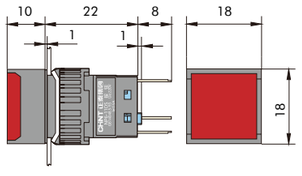
Round 5PINS

Dimensions(mm)

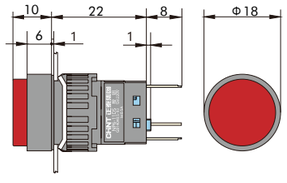
NP6- □□ D □ / □ J



NP6- □□ D □ / □ F



NP6- □□ D □ / □ Y



★ Mushroom Pushbutton(Non illuminated)

NP6- □□ J/ □	Model	Color	⌙
	NP6-11J/3	●	1
	NP6-11J/4	●	1
	NP6-11J/5	●	1
	NP6-22J/3	●	2
	NP6-22J/4	●	2
	NP6-22J/5	●	2

★ Selector Switches (Non illuminated)

NP6- □□ X/ □ Y	Model	Selector Switches	⌙
	NP6-11X/2Y		1
	NP6-22X/2Y		2
	NP6-22X/3Y		2

★ Mushroom Pushbutton-(Non illuminated)-(Latching)

NP6- □□ ZS/4	Model	Color	⌙
	NP6-11ZS/4	●	1
	NP6-22ZS/4	●	2

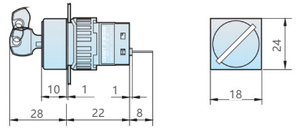
★ Indicator

NP6-XD/ □□	Model	Color	Voltage
	NP6-XD/1J	○	AC/DC 6V AC/DC 12V AC/DC 24V
	NP6-XD/3J	●	
	NP6-XD/4J	●	
	NP6-XD/5J	●	
	NP6-XD/6J	●	
	NP6-XD/1F	○	AC/DC 6V AC/DC 12V AC/DC 24V
	NP6-XD/3F	●	
	NP6-XD/4F	●	
	NP6-XD/5F	●	
	NP6-XD/6F	●	
	NP6-XD/1Y	○	AC/DC 6V AC/DC 12V AC/DC 24V
	NP6-XD/3Y	●	
	NP6-XD/4Y	●	
	NP6-XD/5Y	●	
	NP6-XD/6Y	●	

★ Key Switches(Non illuminated)

NP6- □□ Y/ □ F	Model	Selector Switches	⌙
	NP6-11Y/2F		1
	NP6-22Y/2F		2
	NP6-22Y/3F		2

Dimensions(mm)

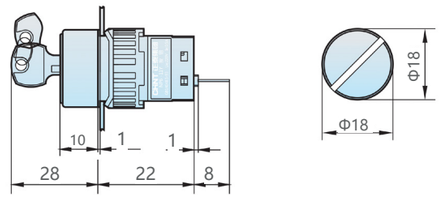


Dimensions(mm)

★ Key Switches(Non illuminated)

NP6- □□ Y/ □ Y	Model	Selector Switches	⌙
	NP6-11Y/2Y		1
	NP6-22Y/2Y		2
	NP6-22Y/3Y		2

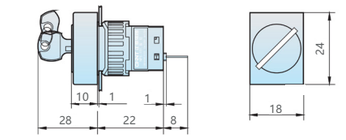
Dimensions(mm)

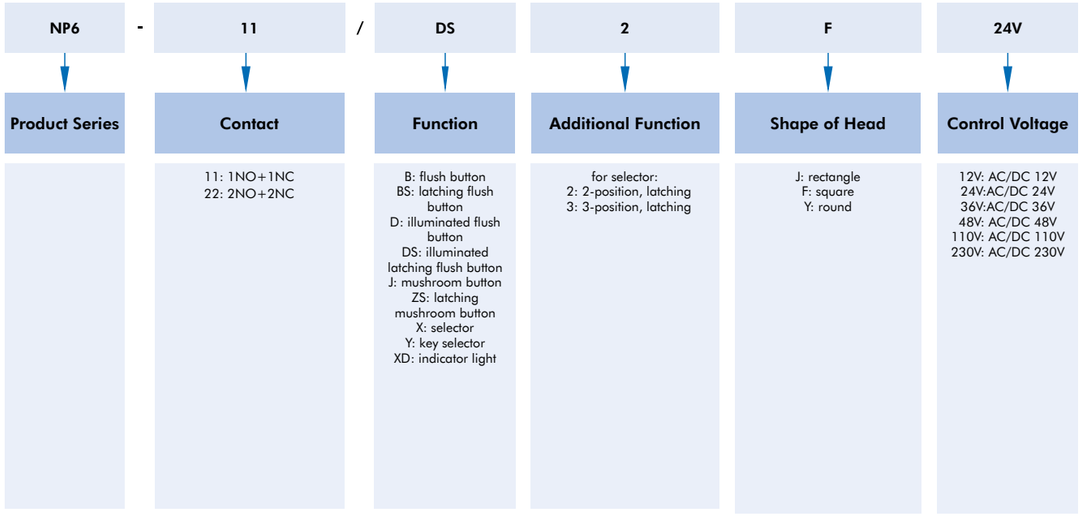


★ Key Switches(Non illuminated)

NP6- □□ Y/ □ J	Model	Selector Switches	⌙
	NP6-11Y/2J		1
	NP6-22Y/2J		2
	NP6-22Y/3J		2

Dimensions(mm)





Shape	Type	Color and function	Contact	Model Description	Code
Square	Flush button	White	1NO+1NC	NP6-11B/F White	314474
Square	Flush button	Red	1NO+1NC	NP6-11B/F Red	314476
Square	Flush button	Green	1NO+1NC	NP6-11B/F Green	314475
Square	Flush button	Blue	1NO+1NC	NP6-11B/F Blue	314718
Square	Flush button	Yellow	1NO+1NC	NP6-11B/F Yellow	314615
Rectangle	Flush button	White	1NO+1NC	NP6-11B/J White	314731
Rectangle	Flush button	Red	1NO+1NC	NP6-11B/J Red	314612
Rectangle	Flush button	Green	1NO+1NC	NP6-11B/J Green	314611
Rectangle	Flush button	Blue	1NO+1NC	NP6-11B/J Blue	314714
Rectangle	Flush button	Yellow	1NO+1NC	NP6-11B/J Yellow	314613
Rectangle	Flush button	Black	1NO+1NC	NP6-11B/J Black	314610
Round	Flush button	White	1NO+1NC	NP6-11B/Y White	314712
Round	Flush button	Red	1NO+1NC	NP6-11B/Y Red	314754
Round	Flush button	Green	1NO+1NC	NP6-11B/Y Green	314755
Round	Flush button	Blue	1NO+1NC	NP6-11B/Y Blue	314719
Round	Flush button	Yellow	1NO+1NC	NP6-11B/Y Yellow	314454
Round	Flush button	Black	1NO+1NC	NP6-11B/Y Black	314744
Square	Flush button	White, latching	1NO+1NC	NP6-11BS/F White	314471
Square	Flush button	Red, latching	1NO+1NC	NP6-11BS/F Red	314473
Square	Flush button	Green, latching	1NO+1NC	NP6-11BS/F Green	314472
Square	Flush button	Yellow, latching	1NO+1NC	NP6-11BS/F Yellow	314618
Rectangle	Flush button	Red, latching	1NO+1NC	NP6-11BS/J Red	314617
Rectangle	Flush button	Green, latching	1NO+1NC	NP6-11BS/J Green	314616
Rectangle	Flush button	Yellow, latching	1NO+1NC	NP6-11BS/J Yellow	314619
Round	Flush button	Red, latching	1NO+1NC	NP6-11BS/Y Red	314467
Round	Flush button	Green, latching	1NO+1NC	NP6-11BS/Y Green	314468
Round	Flush button	Blue, latching	1NO+1NC	NP6-11BS/Y Blue	314701
Round	Flush button	Yellow, latching	1NO+1NC	NP6-11BS/Y Yellow	314470
Round	Flush button	Black, latching	1NO+1NC	NP6-11BS/Y Black	314705
Square	Illuminated flush button	White, 230V LED	1NO+1NC	NP6-11D/F White 230V LED	314582
Square	Illuminated flush button	White, 24V LED	1NO+1NC	NP6-11D/F White 24V LED	314456
Square	Illuminated flush button	Red, 110V LED	1NO+1NC	NP6-11D/F Red 110V LED	314725
Square	Illuminated flush button	Red, 12V LED	1NO+1NC	NP6-11D/F Red 12V LED	314626
Square	Illuminated flush button	Red, 230V LED	1NO+1NC	NP6-11D/F Red 230V LED	314578
Square	Illuminated flush button	Red, 24V LED	1NO+1NC	NP6-11D/F Red 24V LED	314435
Square	Illuminated flush button	Red, 6V LED	1NO+1NC	NP6-11D/F Red 6V LED	314627
Square	Illuminated flush button	Green, 110V LED	1NO+1NC	NP6-11D/F Green 110V LED	314726
Square	Illuminated flush button	Green, 12V LED	1NO+1NC	NP6-11D/F Green 12V LED	314620
Square	Illuminated flush button	Green, 230V LED	1NO+1NC	NP6-11D/F Green 230V LED	314579
Square	Illuminated flush button	Green, 24V LED	1NO+1NC	NP6-11D/F Green 24V LED	314436
Square	Illuminated flush button	Green, 6V LED	1NO+1NC	NP6-11D/F Green 6V LED	314621
Square	Illuminated flush button	Blue, 230V LED	1NO+1NC	NP6-11D/F Blue 230V LED	314581
Square	Illuminated flush button	Blue, 24V LED	1NO+1NC	NP6-11D/F Blue 24V LED	314479
Square	Illuminated flush button	Yellow, 12V LED	1NO+1NC	NP6-11D/F Yellow 12V LED	314632
Square	Illuminated flush button	Yellow, 230V LED	1NO+1NC	NP6-11D/F Yellow 230V LED	314580
Square	Illuminated flush button	Yellow, 24V LED	1NO+1NC	NP6-11D/F Yellow 24V LED	314459
Square	Illuminated flush button	Yellow, 6V LED	1NO+1NC	NP6-11D/F Yellow 6V LED	314633
Rectangle	Illuminated flush button	White, 110V LED	1NO+1NC	NP6-11D/J White 110V LED	314738
Rectangle	Illuminated flush button	White, 230V LED	1NO+1NC	NP6-11D/J White 230V LED	314588
Rectangle	Illuminated flush button	White, 24V LED	1NO+1NC	NP6-11D/J White 24V LED	314727
Rectangle	Illuminated flush button	Red, 110V LED	1NO+1NC	NP6-11D/J Red 110V LED	314740
Rectangle	Illuminated flush button	Red, 12V LED	1NO+1NC	NP6-11D/J Red 12V LED	314628

Shape	Type	Color and function	Contact	Model Description	Code
Rectangle	Illuminated flush button	Red, 230V LED	1NO+1NC	NP6-11D/J Red 230V LED	314584
Rectangle	Illuminated flush button	Red, 24V LED	1NO+1NC	NP6-11D/J Red 24V LED	314756
Rectangle	Illuminated flush button	Red, 6V LED	1NO+1NC	NP6-11D/J Red 6V LED	314629
Rectangle	Illuminated flush button	Green, 110V LED	1NO+1NC	NP6-11D/J Green 110V LED	314739
Rectangle	Illuminated flush button	Green, 12V LED	1NO+1NC	NP6-11D/J Green 12V LED	314622
Rectangle	Illuminated flush button	Green, 230V LED	1NO+1NC	NP6-11D/J Green 230V LED	314585
Rectangle	Illuminated flush button	Green, 24V LED	1NO+1NC	NP6-11D/J Green 24V LED	314757
Rectangle	Illuminated flush button	Green, 6V LED	1NO+1NC	NP6-11D/J Green 6V LED	314623
Rectangle	Illuminated flush button	Blue, 110V LED	1NO+1NC	NP6-11D/J Blue 110V LED	314742
Rectangle	Illuminated flush button	Blue, 230V LED	1NO+1NC	NP6-11D/J Blue 230V LED	314587
Rectangle	Illuminated flush button	Blue, 24V LED	1NO+1NC	NP6-11D/J Blue 24V LED	314478
Rectangle	Illuminated flush button	Yellow, 110V LED	1NO+1NC	NP6-11D/J Yellow 110V LED	314741
Rectangle	Illuminated flush button	Yellow, 12V LED	1NO+1NC	NP6-11D/J Yellow 12V LED	314634
Rectangle	Illuminated flush button	Yellow, 230V LED	1NO+1NC	NP6-11D/J Yellow 230V LED	314586
Rectangle	Illuminated flush button	Yellow, 24V LED	1NO+1NC	NP6-11D/J Yellow 24V LED	314759
Rectangle	Illuminated flush button	Yellow, 6V LED	1NO+1NC	NP6-11D/J Yellow 6V LED	314635
Round	Illuminated flush button	White, 230V LED	1NO+1NC	NP6-11D/Y White 230V LED	314576
Round	Illuminated flush button	White, 24V LED	1NO+1NC	NP6-11D/Y White 24V LED	314732
Round	Illuminated flush button	Red, 12V LED	1NO+1NC	NP6-11D/Y Red 12V LED	314630
Round	Illuminated flush button	Red, 230V LED	1NO+1NC	NP6-11D/Y Red 230V LED	314572
Round	Illuminated flush button	Red, 24V LED	1NO+1NC	NP6-11D/Y Red 24V LED	314713
Round	Illuminated flush button	Red, 6V LED	1NO+1NC	NP6-11D/Y Red 6V LED	314631
Round	Illuminated flush button	Green, 12V LED	1NO+1NC	NP6-11D/Y Green 12V LED	314624
Round	Illuminated flush button	Green, 230V LED	1NO+1NC	NP6-11D/Y Green 230V LED	314573
Round	Illuminated flush button	Green, 24V LED	1NO+1NC	NP6-11D/Y Green 24V LED	314758
Round	Illuminated flush button	Green, 6V LED	1NO+1NC	NP6-11D/Y Green 6V LED	314625
Round	Illuminated flush button	Blue, 230V LED	1NO+1NC	NP6-11D/Y Blue 230V LED	314575
Round	Illuminated flush button	Blue, 24V LED	1NO+1NC	NP6-11D/Y Blue 24V LED	314481
Round	Illuminated flush button	Yellow, 12V LED	1NO+1NC	NP6-11D/Y Yellow 12V LED	314636
Round	Illuminated flush button	Yellow, 230V LED	1NO+1NC	NP6-11D/Y Yellow 230V LED	314574
Round	Illuminated flush button	Yellow, 24V LED	1NO+1NC	NP6-11D/Y Yellow 24V LED	314480
Round	Illuminated flush button	Yellow, 6V LED	1NO+1NC	NP6-11D/Y Yellow 6V LED	314637
Square	Illuminated flush button	White, latching, 230V LED	1NO+1NC	NP6-11DS/F White 230V LED	314546
Square	Illuminated flush button	White, latching, 24V LED	1NO+1NC	NP6-11DS/F White 24V LED	314469
Square	Illuminated flush button	Red, latching, 12V LED	1NO+1NC	NP6-11DS/F Red 12V LED	314642
Square	Illuminated flush button	Red, latching, 220V LED	1NO+1NC	NP6-11DS/F Red 220V LED	314743
Square	Illuminated flush button	Red, latching, 230V LED	1NO+1NC	NP6-11DS/F Red 230V LED	314542
Square	Illuminated flush button	Red, latching, 24V LED	1NO+1NC	NP6-11DS/F Red 24V LED	314709
Square	Illuminated flush button	Red, latching, 6V LED	1NO+1NC	NP6-11DS/F Red 6V LED	314643
Square	Illuminated flush button	Green, latching, 230V LED	1NO+1NC	NP6-11DS/F Green 230V LED	314543
Square	Illuminated flush button	Green, latching, 24V LED	1NO+1NC	NP6-11DS/F Green 24V LED	314433
Square	Illuminated flush button	Blue, latching, 230V LED	1NO+1NC	NP6-11DS/F Blue 230V LED	314545
Square	Illuminated flush button	Blue, latching, 24V LED	1NO+1NC	NP6-11DS/F Blue 24V LED	314461
Square	Illuminated flush button	Yellow, latching, 12V LED	1NO+1NC	NP6-11DS/F Yellow 12V LED	314647
Square	Illuminated flush button	Yellow, latching, 230V LED	1NO+1NC	NP6-11DS/F Yellow 230V LED	314544
Square	Illuminated flush button	Yellow, latching, 24V LED	1NO+1NC	NP6-11DS/F Yellow 24V LED	314460
Square	Illuminated flush button	Yellow, latching, 6V LED	1NO+1NC	NP6-11DS/F Yellow 6V LED	314648
Rectangle	Illuminated flush button	White, latching, 230V LED	1NO+1NC	NP6-11DS/J White 230V LED	314552
Rectangle	Illuminated flush button	White, latching, 24V LED	1NO+1NC	NP6-11DS/J White 24V LED	314720
Rectangle	Illuminated flush button	Red, latching, 12V LED	1NO+1NC	NP6-11DS/J Red 12V LED	314644
Rectangle	Illuminated flush button	Red, latching, 230V LED	1NO+1NC	NP6-11DS/J Red 230V LED	314548
Rectangle	Illuminated flush button	Red, latching, 24V LED	1NO+1NC	NP6-11DS/J Red 24V LED	314432

Shape	Type	Color and function	Contact	Model Description	Code
Rectangle	Illuminated flush button	Red, latching, 6V LED	1NO+1NC	NP6-11DS/J Red 6V LED	314645
Rectangle	Illuminated flush button	Green, latching, 12V LED	1NO+1NC	NP6-11DS/J Green 12V LED	314638
Rectangle	Illuminated flush button	Green, latching, 230V LED	1NO+1NC	NP6-11DS/J Green 230V LED	314549
Rectangle	Illuminated flush button	Green, latching, 24V LED	1NO+1NC	NP6-11DS/J Green 24V LED	314434
Rectangle	Illuminated flush button	Green, latching, 6V LED	1NO+1NC	NP6-11DS/J Green 6V LED	314639
Rectangle	Illuminated flush button	Blue, latching, 230V LED	1NO+1NC	NP6-11DS/J Blue 230V LED	314551
Rectangle	Illuminated flush button	Blue, latching, 24V LED	1NO+1NC	NP6-11DS/J Blue 24V LED	314482
Rectangle	Illuminated flush button	Yellow, latching, 12V LED	1NO+1NC	NP6-11DS/J Yellow 12V LED	314649
Rectangle	Illuminated flush button	Yellow, latching, 230V LED	1NO+1NC	NP6-11DS/J Yellow 230V LED	314550
Rectangle	Illuminated flush button	Yellow, latching, 24V LED	1NO+1NC	NP6-11DS/J Yellow 24V LED	314429
Rectangle	Illuminated flush button	Yellow, latching, 6V LED	1NO+1NC	NP6-11DS/J Yellow 6V LED	314650
Round	Illuminated flush button	White, latching, 230V LED	1NO+1NC	NP6-11DS/Y White 230V LED	314540
Round	Illuminated flush button	White, latching, 24V LED	1NO+1NC	NP6-11DS/Y White 24V LED	314734
Round	Illuminated flush button	Red, latching, 12V LED	1NO+1NC	NP6-11DS/Y Red 12V LED	314428
Round	Illuminated flush button	Red, latching, 230V LED	1NO+1NC	NP6-11DS/Y Red 230V LED	314536
Round	Illuminated flush button	Red, latching, 24V LED	1NO+1NC	NP6-11DS/Y Red 24V LED	314431
Round	Illuminated flush button	Red, latching, 6V LED	1NO+1NC	NP6-11DS/Y Red 6V LED	314646
Round	Illuminated flush button	Green, latching, 12V LED	1NO+1NC	NP6-11DS/Y Green 12V LED	314640
Round	Illuminated flush button	Green, latching, 230V LED	1NO+1NC	NP6-11DS/Y Green 230V LED	314537
Round	Illuminated flush button	Green, latching, 24V LED	1NO+1NC	NP6-11DS/Y Green 24V LED	314710
Round	Illuminated flush button	Green, latching, 6V LED	1NO+1NC	NP6-11DS/Y Green 6V LED	314641
Round	Illuminated flush button	Blue, latching, 230V LED	1NO+1NC	NP6-11DS/Y Blue 230V LED	314539
Round	Illuminated flush button	Blue, latching, 24V LED	1NO+1NC	NP6-11DS/Y Blue 24V LED	314484
Round	Illuminated flush button	Yellow, latching, 110V LED	1NO+1NC	NP6-11DS/Y Yellow 110V LED	314736
Round	Illuminated flush button	Yellow, latching, 12V LED	1NO+1NC	NP6-11DS/Y Yellow 12V LED	314651
Round	Illuminated flush button	Yellow, latching, 230V LED	1NO+1NC	NP6-11DS/Y Yellow 230V LED	314538
Round	Illuminated flush button	Yellow, latching, 24V LED	1NO+1NC	NP6-11DS/Y Yellow 24V LED	314483
Round	Illuminated flush button	Yellow, latching, 6V LED	1NO+1NC	NP6-11DS/Y Yellow 6V LED	314652
Round	Mushroom button	Red	1NO+1NC	NP6-11J Red	314614
Round	Mushroom button	Green	1NO+1NC	NP6-11J Green	314445
Square	Selector	Black, 2-position, latching	1NO+1NC	NP6-11X/2F	314447
Rectangle	Selector	Black, 2-position, latching	1NO+1NC	NP6-11X/2J	314423
Round	Selector	Black, 2-position, latching	1NO+1NC	NP6-11X/2Y	314430
Square	Key selector	Black, 2-position, latching	1NO+1NC	NP6-11Y/2F	314466
Rectangle	Key selector	Black, 2-position, latching	1NO+1NC	NP6-11Y/2J	314498
Round	Key selector	Black, 2-position, latching	1NO+1NC	NP6-11Y/2Y	314497
Round	Mushroom button	Red, latching	1NO+1NC	NP6-11ZS Red	314422
Square	Flush button	Red	2NO+2NC	NP6-22B/F Red	314507
Square	Flush button	Green	2NO+2NC	NP6-22B/F Green	314506
Square	Flush button	Blue	2NO+2NC	NP6-22B/F Blue	314751
Square	Flush button	Yellow	2NO+2NC	NP6-22B/F Yellow	314508
Rectangle	Flush button	White	2NO+2NC	NP6-22B/J White	314722
Rectangle	Flush button	Red	2NO+2NC	NP6-22B/J Red	314654
Rectangle	Flush button	Green	2NO+2NC	NP6-22B/J Green	314653
Rectangle	Flush button	Blue	2NO+2NC	NP6-22B/J Blue	314715
Rectangle	Flush button	Yellow	2NO+2NC	NP6-22B/J Yellow	314655
Rectangle	Flush button	Black	2NO+2NC	NP6-22B/J Black	314723
Round	Flush button	White	2NO+2NC	NP6-22B/Y White	314748
Round	Flush button	Red	2NO+2NC	NP6-22B/Y RED	314505
Round	Flush button	Green	2NO+2NC	NP6-22B/Y Green	314504
Round	Flush button	Blue	2NO+2NC	NP6-22B/Y Blue	314729
Round	Flush button	Yellow	2NO+2NC	NP6-22B/Y Yellow	314761

Shape	Type	Color and function	Contact	Model Description	Code
Round	Flush button	Black	2NO+2NC	NP6-22B/Y Black	314747
Square	Flush button	Red, latching	2NO+2NC	NP6-22BS/F Red	314513
Square	Flush button	Green, latching	2NO+2NC	NP6-22BS/F Green	314512
Square	Flush button	Yellow, latching	2NO+2NC	NP6-22BS/F Yellow	314514
Rectangle	Flush button	Red, latching	2NO+2NC	NP6-22BS/J Red	314657
Rectangle	Flush button	Green, latching	2NO+2NC	NP6-22BS/J Green	314656
Rectangle	Flush button	Blue, latching	2NO+2NC	NP6-22BS/J Blue	314728
Rectangle	Flush button	Yellow, latching	2NO+2NC	NP6-22BS/J Yellow	314658
Rectangle	Flush button	Black, latching	2NO+2NC	NP6-22BS/J Black	314737
Round	Flush button	Red, latching	2NO+2NC	NP6-22BS/Y Red	314510
Round	Flush button	Green, latching	2NO+2NC	NP6-22BS/Y Green	314509
Round	Flush button	Blue, latching	2NO+2NC	NP6-22BS/Y Blue	314735
Round	Flush button	Yellow, latching	2NO+2NC	NP6-22BS/Y Yellow	314511
Square	Illuminated flush button	White, 230V LED	2NO+2NC	NP6-22D/F White 230V LED	314600
Square	Illuminated flush button	White, 24V LED	2NO+2NC	NP6-22D/F White 24V LED	314464
Square	Illuminated flush button	Red, 230V LED	2NO+2NC	NP6-22D/F Red 230V LED	314596
Square	Illuminated flush button	Red, 24V LED	2NO+2NC	NP6-22D/F Red 24V LED	314465
Square	Illuminated flush button	Green, 230V LED	2NO+2NC	NP6-22D/F Green 230V LED	314597
Square	Illuminated flush button	Green, 24V LED	2NO+2NC	NP6-22D/F Green 24V LED	314441
Square	Illuminated flush button	Blue, 230V LED	2NO+2NC	NP6-22D/F Blue 230V LED	314599
Square	Illuminated flush button	Yellow, 230V LED	2NO+2NC	NP6-22D/F Yellow 230V LED	314598
Square	Illuminated flush button	Yellow, 24V LED	2NO+2NC	NP6-22D/F Yellow 24V LED	314502
Rectangle	Illuminated flush button	White, 230V LED	2NO+2NC	NP6-22D/J White 230V LED	314606
Rectangle	Illuminated flush button	Red, 230V LED	2NO+2NC	NP6-22D/J Red 230V LED	314602
Rectangle	Illuminated flush button	Red, 24V LED	2NO+2NC	NP6-22D/J Red 24V LED	314608
Rectangle	Illuminated flush button	Red, 6V LED	2NO+2NC	NP6-22D/J Red 6V LED	314663
Rectangle	Illuminated flush button	Green, 12V LED	2NO+2NC	NP6-22D/J Green 12V LED	314659
Rectangle	Illuminated flush button	Green, 230V LED	2NO+2NC	NP6-22D/J Green 230V LED	314603
Rectangle	Illuminated flush button	Green, 24V LED	2NO+2NC	NP6-22D/J Green 24V LED	314438
Rectangle	Illuminated flush button	Green, 6V LED	2NO+2NC	NP6-22D/J Green 6V LED	314660
Rectangle	Illuminated flush button	Blue, 230V LED	2NO+2NC	NP6-22D/J Blue 230V LED	314605
Rectangle	Illuminated flush button	Blue, 24V LED	2NO+2NC	NP6-22D/J Blue 24V LED	314716
Rectangle	Illuminated flush button	Yellow, 12V LED	2NO+2NC	NP6-22D/J Yellow 12V LED	314666
Rectangle	Illuminated flush button	Yellow, 230V LED	2NO+2NC	NP6-22D/J Yellow 230V LED	314604
Rectangle	Illuminated flush button	Yellow, 24V LED	2NO+2NC	NP6-22D/J Yellow 24V LED	314609
Rectangle	Illuminated flush button	Yellow, 6V LED	2NO+2NC	NP6-22D/J Yellow 6V LED	314667
Round	Illuminated flush button	White, 230V LED	2NO+2NC	NP6-22D/Y White 230V LED	314594
Round	Illuminated flush button	White, 24V LED	2NO+2NC	NP6-22D/Y White 24V LED	314704
Round	Illuminated flush button	Red, 12V LED	2NO+2NC	NP6-22D/Y Red 12V LED	314664
Round	Illuminated flush button	Red, 230V LED	2NO+2NC	NP6-22D/Y Red 230V LED	314590
Round	Illuminated flush button	Red, 24V LED	2NO+2NC	NP6-22D/Y Red 24V LED	314501
Round	Illuminated flush button	Red, 6V LED	2NO+2NC	NP6-22D/Y Red 6V LED	314665
Round	Illuminated flush button	Green, 12V LED	2NO+2NC	NP6-22D/Y Green 12V LED	314661
Round	Illuminated flush button	Green, 230V LED	2NO+2NC	NP6-22D/Y Green 230V LED	314591
Round	Illuminated flush button	Green, 24V LED	2NO+2NC	NP6-22D/Y Green 24V LED	314427
Round	Illuminated flush button	Green, 6V LED	2NO+2NC	NP6-22D/Y Green 6V LED	314662
Round	Illuminated flush button	Blue, 230V LED	2NO+2NC	NP6-22D/Y Blue 230V LED	314593
Round	Illuminated flush button	Blue, 24V LED	2NO+2NC	NP6-22D/Y Blue 24V LED	314702
Round	Illuminated flush button	Yellow, 12V LED	2NO+2NC	NP6-22D/Y Yellow 12V LED	314669
Round	Illuminated flush button	Yellow, 230V LED	2NO+2NC	NP6-22D/Y Yellow 230V LED	314592
Round	Illuminated flush button	Yellow, 24V LED	2NO+2NC	NP6-22D/Y Yellow 24V LED	314495
Round	Illuminated flush button	Yellow, 6V LED	2NO+2NC	NP6-22D/Y Yellow 6V LED	314668

Shape	Type	Color and function	Contact	Model Description	Code
Square	Illuminated flush button	White, latching, 230V LED	2NO+2NC	NP6-22DS/F White 230V LED	314564
Square	Illuminated flush button	White, latching, 24V LED	2NO+2NC	NP6-22DS/F White 24V LED	314463
Square	Illuminated flush button	Red, latching, 12V LED	2NO+2NC	NP6-22DS/F Red 12V LED	314674
Square	Illuminated flush button	Red, latching, 230V LED	2NO+2NC	NP6-22DS/F Red 230V LED	314560
Square	Illuminated flush button	Red, latching, 24V LED	2NO+2NC	NP6-22DS/F Red 24V LED	314421
Square	Illuminated flush button	Red, latching, 6V LED	2NO+2NC	NP6-22DS/F Red 6V LED	314675
Square	Illuminated flush button	Green, latching, 12V LED	2NO+2NC	NP6-22DS/F Green 12V LED	314670
Square	Illuminated flush button	Green, latching, 230V LED	2NO+2NC	NP6-22DS/F Green 230V LED	314561
Square	Illuminated flush button	Green, latching, 24V LED	2NO+2NC	NP6-22DS/F Green 24V LED	314440
Square	Illuminated flush button	Green, latching, 6V LED	2NO+2NC	NP6-22DS/F Green 6V LED	314672
Square	Illuminated flush button	Blue, latching, 230V LED	2NO+2NC	NP6-22DS/F Blue 230V LED	314563
Square	Illuminated flush button	Yellow, latching, 12V LED	2NO+2NC	NP6-22DS/F Yellow 12V LED	314678
Square	Illuminated flush button	Yellow, latching, 230V LED	2NO+2NC	NP6-22DS/F Yellow 230V LED	314562
Square	Illuminated flush button	Yellow, latching, 24V LED	2NO+2NC	NP6-22DS/F Yellow 24V LED	314496
Square	Illuminated flush button	Yellow, latching, 6V LED	2NO+2NC	NP6-22DS/F Yellow 6V LED	314679
Rectangle	Illuminated flush button	White, latching, 230V LED	2NO+2NC	NP6-22DS/J White 230V LED	314570
Rectangle	Illuminated flush button	Red, latching, 12V LED	2NO+2NC	NP6-22DS/J Red 12V LED	314677
Rectangle	Illuminated flush button	Red, latching, 230V LED	2NO+2NC	NP6-22DS/J Red 230V LED	314566
Rectangle	Illuminated flush button	Red, latching, 24V LED	2NO+2NC	NP6-22DS/J Red 24V LED	314517
Rectangle	Illuminated flush button	Red, latching, 6V LED	2NO+2NC	NP6-22DS/J Red 6V LED	314676
Rectangle	Illuminated flush button	Green, latching, 12V LED	2NO+2NC	NP6-22DS/J Green 12V LED	314671
Rectangle	Illuminated flush button	Green, latching, 230V LED	2NO+2NC	NP6-22DS/J Green 230V LED	314567
Rectangle	Illuminated flush button	Green, latching, 24V LED	2NO+2NC	NP6-22DS/J Green 24V LED	314437
Rectangle	Illuminated flush button	Green, latching, 6V LED	2NO+2NC	NP6-22DS/J Green 6V LED	314673
Rectangle	Illuminated flush button	Blue, latching, 230V LED	2NO+2NC	NP6-22DS/J Blue 230V LED	314569
Rectangle	Illuminated flush button	Blue, latching, 24V LED	2NO+2NC	NP6-22DS/J Blue 24V LED	314717
Rectangle	Illuminated flush button	Yellow, latching, 12V LED	2NO+2NC	NP6-22DS/J Yellow 12V LED	314681
Rectangle	Illuminated flush button	Yellow, latching, 230V LED	2NO+2NC	NP6-22DS/J Yellow 230V LED	314568
Rectangle	Illuminated flush button	Yellow, latching, 24V LED	2NO+2NC	NP6-22DS/J Yellow 24V LED	314516
Rectangle	Illuminated flush button	Yellow, latching, 6V LED	2NO+2NC	NP6-22DS/J Yellow 6V LED	314680
Round	Illuminated flush button	White, latching, 230V LED	2NO+2NC	NP6-22DS/Y White 230V LED	314558
Round	Illuminated flush button	Red, latching, 12V LED	2NO+2NC	NP6-22DS/Y Red 12V LED	314724
Round	Illuminated flush button	Red, latching, 230V LED	2NO+2NC	NP6-22DS/Y Red 230V LED	314554
Round	Illuminated flush button	Red, latching, 24V LED	2NO+2NC	NP6-22DS/Y Red 24V LED	314760
Round	Illuminated flush button	Green, latching, 230V LED	2NO+2NC	NP6-22DS/Y Green 230V LED	314555
Round	Illuminated flush button	Green, latching, 24V LED	2NO+2NC	NP6-22DS/Y Green 24V LED	314443
Round	Illuminated flush button	Blue, latching, 230V LED	2NO+2NC	NP6-22DS/Y Blue 230V LED	314557
Round	Illuminated flush button	Blue, latching, 24V LED	2NO+2NC	NP6-22DS/Y Blue 24V LED	314424
Round	Illuminated flush button	Yellow, latching, 230V LED	2NO+2NC	NP6-22DS/Y Yellow 230V LED	314556
Round	Illuminated flush button	Yellow, latching, 24V LED	2NO+2NC	NP6-22DS/Y Yellow 24V LED	314503
Round	Mushroom button	Green	1NO+1NC	NP6-11J Green	314682
Square	Selector	Black, 2-position, latching	1NO+1NC	NP6-11X/2F	314448
Rectangle	Selector	Black, 2-position, latching	1NO+1NC	NP6-11X/2J	314449
Round	Selector	Black, 2-position, latching	1NO+1NC	NP6-11X/2Y	314425
Square	Key selector	Black, 2-position, latching	1NO+1NC	NP6-11Y/2F	314455
Rectangle	Key selector	Black, 2-position, latching	1NO+1NC	NP6-11Y/2J	314450
Round	Key selector	Black, 2-position, latching	1NO+1NC	NP6-11Y/2Y	314446
Square	Selector	Black, 2-position, latching	2NO+2NC	NP6-22Y/2F	314684
Rectangle	Selector	Black, 2-position, latching	2NO+2NC	NP6-22Y/2J	314426
Round	Selector	Black, 2-position, latching	2NO+2NC	NP6-22Y/2Y	314452
Square	Key selector	Black, 3-position, latching	2NO+2NC	NP6-22Y/3F	314477
Rectangle	Key selector	Black, 3-position, latching	2NO+2NC	NP6-22Y/3J	314451

Shape	Type	Color and function	Contact	Model Description	Code
Round	Key selector	Black, 3-position, latching	2NO+2NC	NP6-22Y/3Y	314515
Round	Mushroom button	Red, latching	2NO+2NC	NP6-22ZS Red	314453
Round	Mushroom button	Green, latching	2NO+2NC	NP6-22ZS Green	314711
Square	Pilot light	White, 230V LED	-	NP6-XD/F White 230V LED	314528
Square	Pilot light	White, 24V LED	-	NP6-XD/F White 24V LED	314462
Square	Pilot light	Red, 12V LED	-	NP6-XD/F Red 12V LED	314689
Square	Pilot light	Red, 230V LED	-	NP6-XD/F Red 230V LED	314524
Square	Pilot light	Red, 24V LED	-	NP6-XD/F Red 24V LED	314458
Square	Pilot light	Red, 6V LED	-	NP6-XD/F Red 6V LED	314691
Square	Pilot light	Green, 12V LED	-	NP6-XD/F Green 12V LED	314683
Square	Pilot light	Green, 230V LED	-	NP6-XD/F Green 230V LED	314525
Square	Pilot light	Green, 24V LED	-	NP6-XD/F Green 24V LED	314457
Square	Pilot light	Green, 6V LED	-	NP6-XD/F Green 6V LED	314686
Square	Pilot light	Blue, 110V LED	-	NP6-XD/F Blue 110V LED	314733
Square	Pilot light	Blue, 230V LED	-	NP6-XD/F Blue 230V LED	314527
Square	Pilot light	Blue, 24V LED	-	NP6-XD/F Blue 24V LED	528551
Square	Pilot light	Yellow, 12V LED	-	NP6-XD/F Yellow 12V LED	314693
Square	Pilot light	Yellow, 230V LED	-	NP6-XD/F Yellow 230V LED	314526
Square	Pilot light	Yellow, 24V LED	-	NP6-XD/F Yellow 24V LED	314442
Square	Pilot light	Yellow, 6V LED	-	NP6-XD/F Yellow 6V LED	314695
Rectangle	Pilot light	White, 230V LED	-	NP6-XD/J White 230V LED	314534
Rectangle	Pilot light	White, 24V LED	-	NP6-XD/J White 24V LED	314721
Rectangle	Pilot light	Red, 12V LED	-	NP6-XD/J Red 12V LED	314690
Rectangle	Pilot light	Red, 230V LED	-	NP6-XD/J Red 230V LED	314530
Rectangle	Pilot light	Red, 24V LED	-	NP6-XD/J Red 24V LED	314692
Rectangle	Pilot light	Red, 6V LED	-	NP6-XD/J Red 6V LED	314694
Rectangle	Pilot light	Green, 12V LED	-	NP6-XD/J Green 12V LED	314685
Rectangle	Pilot light	Green, 230V LED	-	NP6-XD/J Green 230V LED	314531
Rectangle	Pilot light	Green, 24V LED	-	NP6-XD/J Green 24V LED	314687
Rectangle	Pilot light	Green, 6V LED	-	NP6-XD/J Green 6V LED	314688
Rectangle	Pilot light	Blue, 230V LED	-	NP6-XD/J Blue 230V LED	314533
Rectangle	Pilot light	Blue, 24V LED	-	NP6-XD/J Blue 24V LED	314730
Rectangle	Pilot light	Yellow, 12V LED	-	NP6-XD/J Yellow 12V LED	314696
Rectangle	Pilot light	Yellow, 230V LED	-	NP6-XD/J Yellow 230V LED	314532
Rectangle	Pilot light	Yellow, 24V LED	-	NP6-XD/J Yellow 24V LED	314697
Rectangle	Pilot light	Yellow, 6V LED	-	NP6-XD/J Yellow 6V LED	314698
Round	Pilot light	White, 230V LED	-	NP6-XD/Y White 230V LED	314522
Round	Pilot light	White, 24V LED	-	NP6-XD/Y White 24V LED	314703
Round	Pilot light	Red, 12V LED	-	NP6-XD/Y Red 12V LED	314499
Round	Pilot light	Red, 230V LED	-	NP6-XD/Y Red 230V LED	314518
Round	Pilot light	Red, 24V LED	-	NP6-XD/Y Red 24V LED	314706
Round	Pilot light	Red, 6V LED	-	NP6-XD/Y Red 6V LED	314752
Round	Pilot light	Green, 12V LED	-	NP6-XD/Y Green 12V LED	314500
Round	Pilot light	Green, 230V LED	-	NP6-XD/Y Green 230V LED	314520
Round	Pilot light	Green, 24V LED	-	NP6-XD/Y Green 24V LED	314708
Round	Pilot light	Green, 6V LED	-	NP6-XD/Y Green 6V LED	314753
Round	Pilot light	Blue, 230V LED	-	NP6-XD/Y Blue 230V LED	314521
Round	Pilot light	Blue, 24V LED	-	NP6-XD/Y Blue 24V LED	314444
Round	Pilot light	Yellow, 12V LED	-	NP6-XD/Y Yellow 12V LED	314699
Round	Pilot light	Yellow, 230V LED	-	NP6-XD/Y Yellow 230V LED	314519
Round	Pilot light	Yellow, 24V LED	-	NP6-XD/Y Yellow 24V LED	314707
Round	Pilot light	Yellow, 6V LED	-	NP6-XD/Y Yellow 6V LED	314700



NP3 Series Pushbutton Boxes

1. General

Electric ratings: AC50/60Hz, AC380V/DC220V
Degree of protection: IP65
andard: IEC/EN60947-5-1

2. Operating conditions

2.1 Ambient temperature is -5℃～+40℃ , the average temperature during 24 hours couldn't exceed +35℃ .
2.2 Altitude: ≤2000m.
2.3 Atmosphere condition: Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is +40℃ ; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches +20℃ , the relatice humidity is up to 90%. As for dews, which contingently appear due to change of temperature, special steps should be taken.
2.4 Pollution degree: 3
2.5 Overvoltage category: II

3. Feature

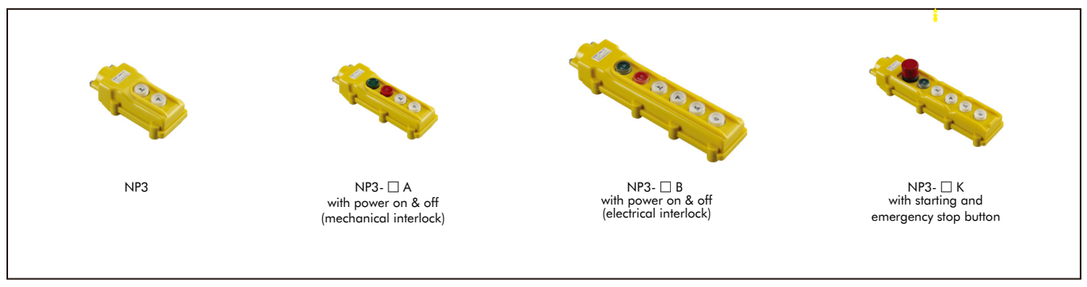
With good capability of dust-proof and rain-proof application; ensures reliable operation of circuit and equipments.

4. Technical data

4.1 Rated insulation voltage Ui : 380V
4.2 Conventional thermal current Ith: 10A

Rated operational voltage Ue (V)Rated		380	220	110
operational	AC-15	2.5	4.5	-
current Ie (A)	DC-13	-	0.3	0.6

4.3 Durability
Electric life: instantaneous: AC 5 x 10^5 operation circles operation circles, self-locking: AC 5x10^4 operation circles;
Mechanical life: instantaneous: 1 x 10^6 operation circles, self-locking: 5 x 10^4 operation circles;
other type: 2.5 x 10^5 operation circles;
4.4 Contact
Contact resistance≤50mΩ (initial value)
4.5 Short-circuit protective device: NT00-16 16A



5. NP3 series indicator

★ Momentary Flush button

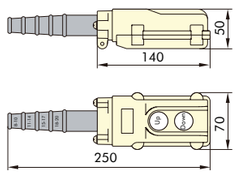
NP3 □	Model	Function
	NP3-1	UP/DOWN
	NP3-2	UP/DOWN , LEFT/RIGHT
	NP3-3	UP/DOWN , LEFT/RIGHT , FRONT/BACT
	NP3-4	UP/DOWN , LEFT/RIGHT , FRONT/BACT , Anti-clockwise/Clockwisw
	NP3-5	UP/DOWN , FRONT/BACT , Anti-clockwise/Clockwisw , FAST/SLOW , LEFT/RIGHT

★ Momentary Flush button With Power Switching
("start" button Maintained)

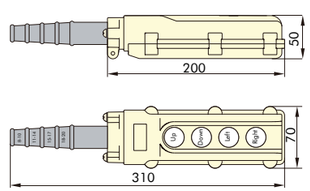
NP3 □ A	Model	Function
	NP3-1A	ON/OFF , UP/DOWN
	NP3-2A	ON/OFF , UP/DOWN , LEFT/RIGHT
	NP3-3A	ON/OFF , UP/DOWN , LEFT/RIGHT , FRONT/BACT
	NP3-4A	ON/OFF , UP/DOWN , LEFT/RIGHT , FRONT/BACT , Anti-clockwise/Clockwisw

Dimensions(mm)

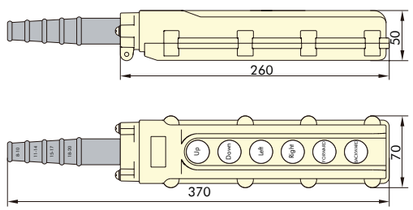
NP3-1



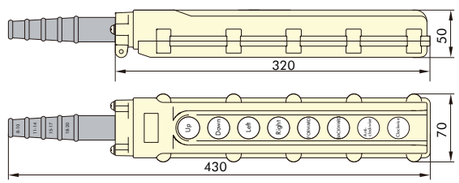
NP3-2



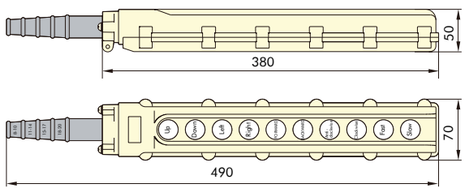
NP3-3



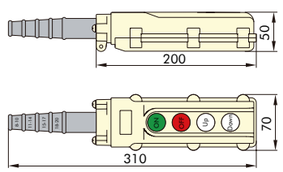
NP3-4



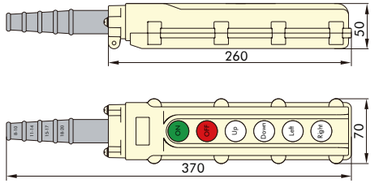
NP3-5



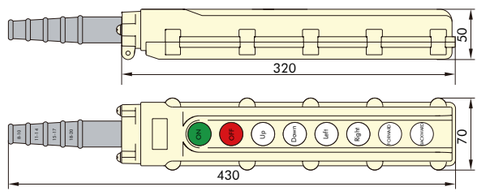
NP3-1A



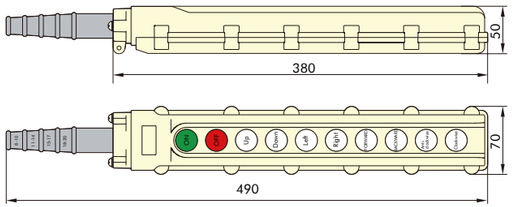
NP3-2A



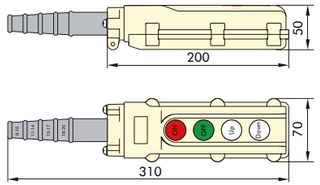
NP3-3A



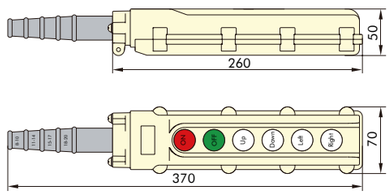
NP3-4A



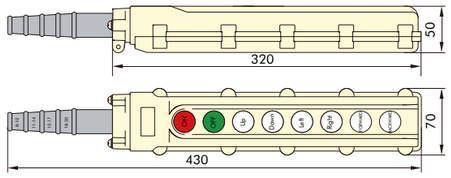
NP3-1B



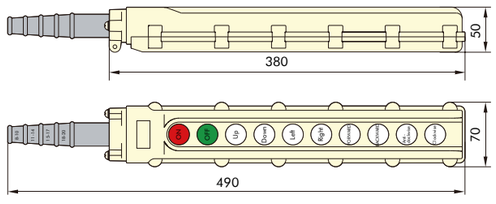
NP3-2B



NP3-3B



NP3-4B



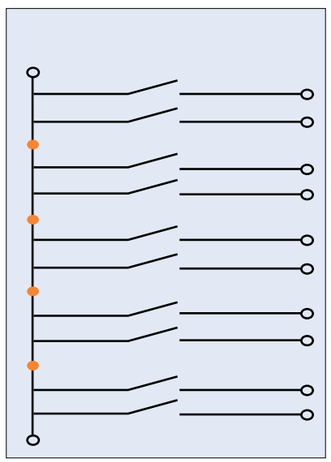
★ Momentary Flush button With Power Switching

NP3 □ B	Model	Function
	NP3-1B	START,STOP,UP/DOWN
	NP3-2B	START,STOP,UP/DOWN,LEFT/RIGHT
	NP3-3B	START,STOP,UP/DOWN,LEFT/RIGHT,FORWARD/BACKWARD
	NP3-4B	START,STOP,UP/DOWN,LEFT/RIGHT,FORWARD/BACKWARD,Anti-Clockwise/Clockwise

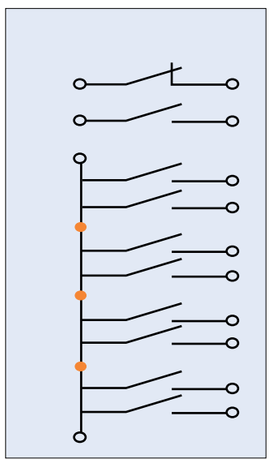
★ Momentary Flush button With Power Switching
("start" button Maintained)

NP3 □ K	Model	Function
	NP3-1K	 START,UP/DOWN
	NP3-2K	 START,UP/DOWN,LEFT/RIGHT
	NP3-3K	 START,UP/DOWN,LEFT/RIGHT,FRONT/BACK
	NP3-4K	 START,UP/DOWN,LEFT/RIGHT,FRONT/BACK,Anti-Clockwise

★ The electrical appliance diagrams of NP3



NP3- ☐	NP3- ☐ A
UP	ON
DOWN	OFF
LEFT	UP
RIGHT	DOWN
FORWARD	LEFT
BACKWARD	RIGHT
Anti-clockwise	FORWARD
Clockwise	BACKWARD
FAST	Anti-clockwise
SLOW	Clockwise



NP3- ☐ B	NP3- ☐ K
STOP	
START	START
UP	UP
DOWN	DOWN
LEFT	LEFT
RIGHT	RIGHT
FORWARD	FORWARD
BACKWARD	BACKWARD
Anti-clockwise	
Clockwise	Clockwise



NPH1 Series Pushbutton Boxes

1. General

Electric ratings: AC50/60Hz, AC415V/DC250V;
Degree of protection: IP65
Standard: IEC/EN60947-5-1

2. Operating conditions

2.1 Ambient temperature is -5 ℃ ~+40 ℃ , the average temperature during 24 hours couldn't exceed +35℃ .
2.2 Altitude: ≤2000m.

4. NPH1 Enclosure

Enclosure with one hole

	Model	Specifications	
		Color	Protection degree
	NPH1-10J	●	IP65
	NPH1-10	●	IP65

Enclosure with two hole

	Model	Specifications	
		Color	Protection degree
	NPH1-20J	●	IP65
	NPH1-20	●	IP65

2.3 Atmosphere condition: Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is +40℃ ; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches +20℃ , the relative humidity is up to 90%. As for dews, which contingently appear due to change of temperature, special steps should be taken.
2.4 Pollution grade: 3
2.5 Installation category: II
2.6 Tightening torque is 0.8~1.2N·m for the cable terminals. Cross section of the cable connection is 0.5~2.5mm², and 8mm conductor length is needed.

3. Technical data

3.1 Conventional heating current Ith: 10A
3.2 Refer to table below, for ratings under different utilization categories.

AC-15	Rated operational voltage, V	415	240	120
	Rated operational current, V	1.9	3	6
DC-13	Rated operational voltage, V	250	125	-
	Rated operational current, V	0.27	0.55	-

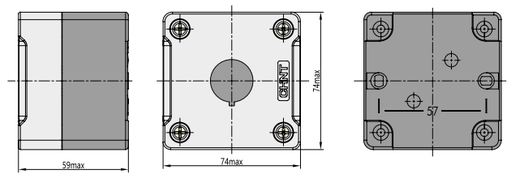
Life
Electric life: Flush-headed and mushroom-headed type:
AC 5×10^5 operations, DC2.5×10^5 operations;
other type: 1×10^5 operations;
Mechanical life: flush-headed and mushroom-headed type:
1 million operations,
other type: 1×10^5 operations

Rated operational voltage	Rated operational current
AC/DC 6V, 12V, 24V, 36V	≤20mA
AC 110V~230V	≤20mA

3.3 Short-circuit protective device: gG16

Dimension(mm)

Enclosure with one hole

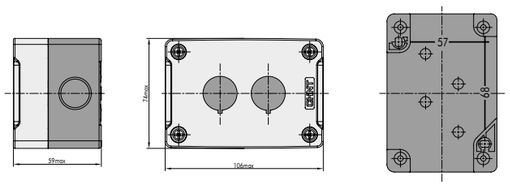


Enclosure with three hole

	Model	Specifications	
		Color	Protection degree
	NPH1-30J	●	IP65
	NPH1-30	●	IP65

Dimension(mm)

Enclosure with two hole



Box with one hole (with flush button)

	Model	Specifications		
				Color
	NPH1-1001	1	—	●
	NPH1-1002	1	—	● |
	NPH1-1003	—	1	●
	NPH1-1004	—	1	● ○

Box with one hole (with mushroom-headed button)

	Model	Specifications			
					Color
	NPH1-1005	Φ40	1	—	●
	NPH1-1006	Φ40	—	1	●

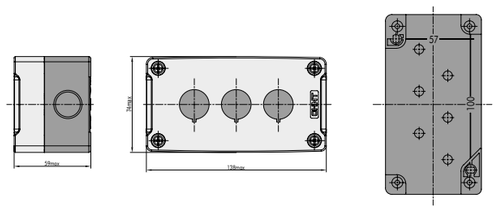
Box with one hole (with selector switch)

	Model	Specifications			
		Type of positions			Color
	NPH1-1007		1	—	●
	NPH1-1008		2	—	●

Box with one hole (with mushroom-headed button,self-locking)

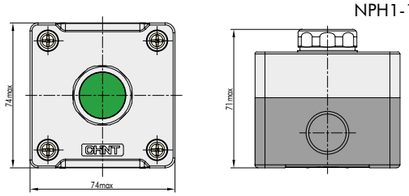
	Model	Specifications			
					Color
	NPH1-1009	Φ40	—	1	●
	NPH1-1010	Φ60	—	1	●

Enclosure with three hole



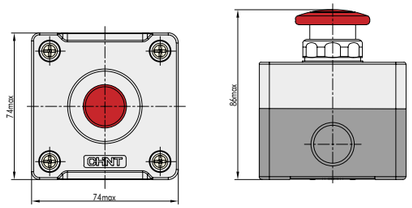
Dimension(mm)

NPH1-1001~1004



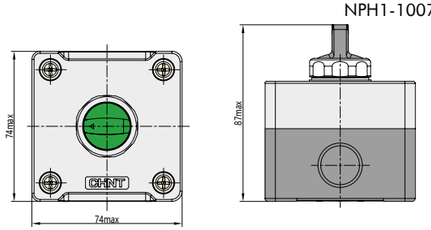
Dimension(mm)

NPH1-1005~1006



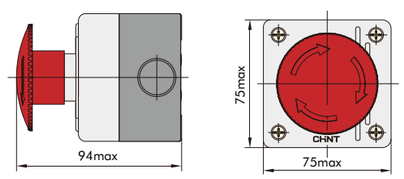
Dimension(mm)

NPH1-1007~1008



Dimension(mm)

NPH1-1009~1010



Box with one hole (with key switch)

	Model	Specifications		
		Type of positions		
	NPH1-1011		—	1

Box with two holes (with flush button)

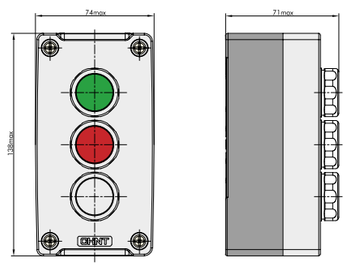
	Model	Specifications			
					Color
	NPH1-2001	1	—	●	
		—	1	●	
	NPH1-2002	1	—	●	I
		—	1	●	○
	NPH1-2003	1	—	○	→
		—	1	●	←
	NPH1-2004	1	—	○	↑
		—	1	●	↓

Box with three holes (with flush button)

	Model	Specifications			
					Color
	NPH1-3003	1			●
		—	1		●
		1	—		●
	NPH1-3004	1	—		● I
		—	1		● ○
		1	—		● II
	NPH1-3001	1	—		○ →
		—	1		● ○
		1	—		● ←
	NPH1-3002	1	—		○ ↑
		—	1		● ○
		1	—		● ↓

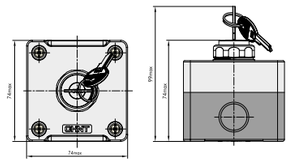
Dimension(mm)

NPH1-3001~3004



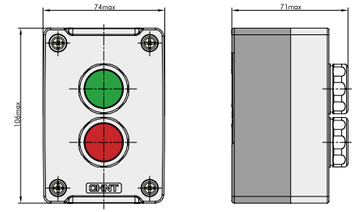
Dimension(mm)

NPH1-1011



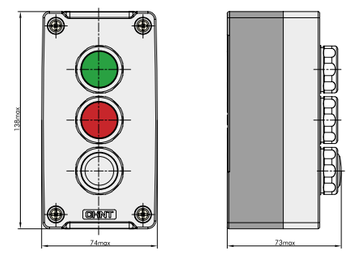
Dimension(mm)

NPH1-2001~2004



	Model	Specifications			
					Color
	NPH1-3005	1			●
			1		●
		Indicator light		AC/DC 24V	●
	NPH1-3006	1			● I
			1		● ○
		Indicator light		AC/DC 24V	●

NPH1-3005~3006





ND16 Series Indicator Lights

1. General

Degree of protection: IP65,IP40,IP20(Buzzer);
Standard: IEC/EN60947-5-1

2. Operating conditions

2.1 Ambient temperature is -5℃～+40℃ , the average temperature during 24 hours couldn't exceed +35℃ .

2.2 Altitude: ≤2000m.

2.3 Atmosphere condition:
Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is +40℃ ; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches +20℃ , the relative humidity is up to 90%. As for dews, which contingently appear due to change of temperature, special steps should be taken.

2.4 Pollution degree: 3

2.5 Overvoltage category: III

2.6 Tightening torque is 0.8～1.2N·m for the cable terminals, and 1.5～1.8N·m for the fixing nut. Cross section of the cable connection is 0.5～2.5mm2, and 8mm conductor length is eeded.



3. Technical data

Basic parameters

Rated operational voltage Ue(V)		Rated operational current (mA)	Service life(h)	Brightness (cd/m²)	Basic color
AC	AC/DC				
400	400	Ie≤20	≥30000	≥40 ≥20(BUZZER)	
230	230				
110	110				
-	48				
-	24				
-	12				
-	36				
-	6				

Note: For AC power supply, the limit voltage range is 0.85Ue～1.1Ue between terminals;C:IP65; K2:anti-interference

4. ND16 series indicator

★ Flat Platform-Lampshape (Resistance type)

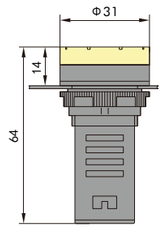
ND16-22A/2	Lamp-Voltage	Model	Color
	LED AC/DC 6V, AC/DC 12V, AC/DC 24V, AC/DC 36V, AC/DC 48V, AC/DC 110V, AC/DC 230V, AC/DC 400V	ND16-22A/2 ND16-22A/2K2	(W) (G) (R) (Y) (B) (O)

★ Flat Platform-Lampshape (Resistance type)

ND16-22A/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC 230V, AC 400V	ND16-22A/4 ND16-22A/4K2	(W) (G) (R) (Y) (B) (O)

Dimension(mm)

ND16-22A/ □



★ Flat Platform-Lampshape (Resistance type)

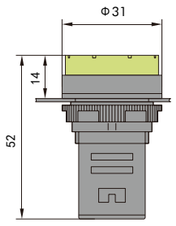
ND16-22AS/2	Lamp-Voltage	Model	Color
	LED AC/DC 6V, AC/DC 12V, AC/DC 24V, AC/DC 36V, AC/DC 48V,	ND16-22AS/2	(W) (G) (R) (Y) (B) (O)

★ Flat Platform-Lampshape (Resistance type)

ND16-22AS/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC 230V, AC 400V	ND16-22AS/4	(W) (G) (R) (Y) (B) (O)

Dimension(mm)

ND16-22AS/ □



★ Flat Round Platform-Lampshape (Resistance type)

ND16-22B/2	Lamp-Voltage	Model	Color
	LED AC/DC 6V, AC/DC12V, AC/DC24V, AC/DC36V, AC/DC48V, AC/DC110V, AC/DC230V, AC/DC400V	ND16-22B/2 ND16-22B/2K2 ND16-22B/2C	(W) (G) (R) (Y) (B) (O)

★ Compacted Flat Round Platform-Lampshape (Resistance type)

ND16-22B/2	Lamp-Voltage	Model	Color
	LED AC/DC 6V, AC/DC12V, AC/DC 24V, AC/DC36V, AC/DC48V	ND16-22BS/2 ND16-22BS/2C	(W) (G) (R) (Y) (B) (O)

★ Flat Round Platform-Lampshape (Capacitance type)

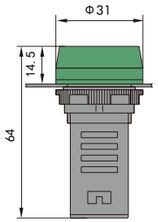
ND16-22B/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC 230V, AC 400V	ND16-22B/4 ND16-22B/4K2 ND16-22B/4C	(W) (G) (R) (Y) (B) (O)

★ Compacted Flat Round Platform-Lampshape (Capacitance type)

ND16-22B/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC 230V, AC 400V	ND16-22BS/4 ND16-22BS/4C	(W) (G) (R) (Y) (B) (O)

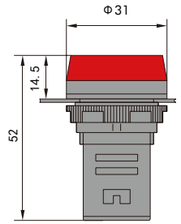
Dimension(mm)

ND16-22B/ □



Dimension(mm)

ND16-22BS/ □



★ Arc Surface ripple-Lampshape (Resistance type)

ND16-22C/2	Lamp-Voltage	Model	Color
	LED AC/DC 6V, AC/DC12V, AC/DC24V, AC/DC36V, AC/DC48V, AC/DC110V, AC/DC230V, AC/DC400V	ND16-22C/2 ND16-22C/2K2	(W) (G) (R) (Y) (B) (O)

★ Compacted Arc Surface ripple-Lampshape (Resistance type)

ND16-22CS/2	Lamp-Voltage	Model	Color
	LED AC/DC 6V, AC/DC12V, AC/DC24V, AC/DC36V, AC/DC48V,	ND16-22CS/2	(W) (G) (R) (Y) (B) (O)

★ Arc Surface ripple-Lampshape (Capacitance type)

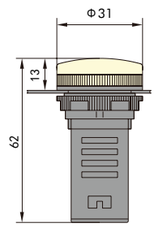
ND16-22C/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC230V, AC 400V	ND16-22C/4 ND16-22C/4K2	(W) (G) (R) (Y) (B) (O)

★ Compacted Arc Surface ripple-Lampshape (Capacitance type)

ND16-22CS/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC230V, AC 400V	ND16-22CS/4	(W) (G) (R) (Y) (B) (O)

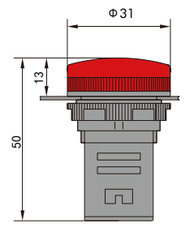
Dimension(mm)

ND16-22C/ □



Dimension(mm)

ND16-22CS/ □



★ Arc Surface Round-Lampshape (Resistance type)

ND16-22D/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, AC/DC12V, AC/DC24V, AC/DC36V, AC/DC48V, AC/DC110V, AC/DC230V, AC/DC400V	ND16-22D/2 ND16-22D/2K2 ND16-22D/2C	(W) (G) (R) (Y) (B) (O)

★ Compacted Arc Surface Round-Lampshape (Resistance type)

ND16-22DS/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, AC/DC12V, AC/DC24V, AC/DC36V, AC/DC48V	ND16-22DS/2 ND16-22DS/2C	(W) (G) (R) (Y) (B) (O)

★ Arc Surface Round-Lampshape (Capacitance type)

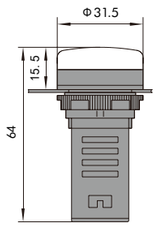
ND16-22D/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC230V, AC 400V	ND16-22D/4 ND16-22D/4K2 ND16-22D/4C	(W) (G) (R) (Y) (B) (O)

★ Compacted Arc Surface Round-Lampshape (Capacitance type)

ND16-22DS/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC 230V, AC 400V	ND16-22DS/4 ND16-22DS/4C	(W) (G) (R) (Y) (B) (O)

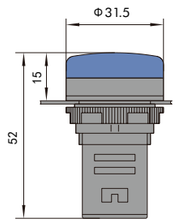
Dimension(mm)

ND16-22D/ □



Dimension(mm)

ND16-22DS/ □



★ Fast connection type (Resistance type)

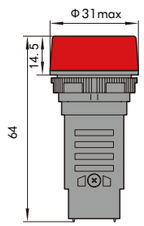
ND16-22BK/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, AC/DC12V, AC/DC24V, AC/DC36V, AC/DC48V, AC/DC110V, AC/DC230V, AC/DC400V	ND16-22BK/2	(W) (G) (R) (Y) (B) (O)

★ Fast connection type (Capacitance type)

ND16-22BK/4	Lamp-Voltage	Model	Color
	LED: AC110V AC230V AC400V	ND16-22BK/4	(W) (G) (R) (Y) (B) (O)

Dimension(mm)

ND16-22BK/ □



★ Interrupted type

ND16 Buzzer	Model	Color	Voltage
	ND16-22F	●	AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC230V AC400V
		●	

★ Interrupted & flush type

ND16 Buzzer	Model	Color	Voltage
	ND16-22FS	●	AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC230V AC400V

★ Continuous type

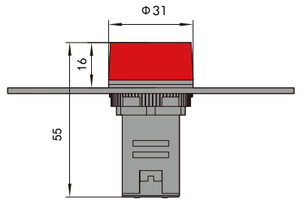
ND16 Buzzer	Model	Color	Voltage
	ND16-22L	●	AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC230V AC400V
		●	

★ Continuous & lit type

ND16 Buzzer	Model	Color	Voltage
	ND16-22LC	●	AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC230V AC400V

Dimension(mm)

ND16-22F
ND16-22FS
ND16-22L
ND16-22LC



Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
16mm	Curved surface	Resistance type	White, AC/DC 110V LED	ND16-16D/2 AC/DC 110V WHT	593579
16mm	Curved surface	Resistance type	Red, AC/DC 110V LED	ND16-16D/2 AC/DC 110V RED	593580
16mm	Curved surface	Resistance type	Green, AC/DC 110V LED	ND16-16D/2 AC/DC 110V GRN	593583
16mm	Curved surface	Resistance type	Blue, AC/DC 110V LED	ND16-16D/2 AC/DC 110V BLU	593582
16mm	Curved surface	Resistance type	Yellow, AC/DC 110V LED	ND16-16D/2 AC/DC 110V YEL	593581
16mm	Curved surface	Resistance type	White, AC/DC 12V LED	ND16-16D/2 AC/DC 12V WHT	593584
16mm	Curved surface	Resistance type	Red, AC/DC 12V LED	ND16-16D/2 AC/DC 12V RED	593585
16mm	Curved surface	Resistance type	Green, AC/DC 12V LED	ND16-16D/2 AC/DC 12V GRN	593588
16mm	Curved surface	Resistance type	Blue, AC/DC 12V LED	ND16-16D/2 AC/DC 12V BLU	593587
16mm	Curved surface	Resistance type	Yellow, AC/DC 12V LED	ND16-16D/2 AC/DC 12V YEL	593586
16mm	Curved surface	Resistance type	White, AC/DC 220V LED	ND16-16D/2 AC/DC 220V WHT	593589
16mm	Curved surface	Resistance type	Red, AC/DC 220V LED	ND16-16D/2 AC/DC 220V RED	593590
16mm	Curved surface	Resistance type	Green, AC/DC 220V LED	ND16-16D/2 AC/DC 220V GRN	593593
16mm	Curved surface	Resistance type	Blue, AC/DC 220V LED	ND16-16D/2 AC/DC 220V BLU	593592
16mm	Curved surface	Resistance type	Yellow, AC/DC 220V LED	ND16-16D/2 AC/DC 220V YEL	593591
16mm	Curved surface	Resistance type	White, AC/DC 24V LED	ND16-16D/2 AC/DC 24V WHT	593594
16mm	Curved surface	Resistance type	Red, AC/DC 24V LED	ND16-16D/2 AC/DC 24V RED	593595
16mm	Curved surface	Resistance type	Green, AC/DC 24V LED	ND16-16D/2 AC/DC 24V GRN	593598
16mm	Curved surface	Resistance type	Blue, AC/DC 24V LED	ND16-16D/2 AC/DC 24V BLU	593597
16mm	Curved surface	Resistance type	Yellow, AC/DC 24V LED	ND16-16D/2 AC/DC 24V YEL	593596
16mm	Curved surface	Resistance type	White, AC/DC 36V LED	ND16-16D/2 AC/DC 36V WHT	593599
16mm	Curved surface	Resistance type	Red, AC/DC 36V LED	ND16-16D/2 AC/DC 36V RED	593600
16mm	Curved surface	Resistance type	Green, AC/DC 36V LED	ND16-16D/2 AC/DC 36V GRN	593603
16mm	Curved surface	Resistance type	Blue, AC/DC 36V LED	ND16-16D/2 AC/DC 36V BLU	593602
16mm	Curved surface	Resistance type	Yellow, AC/DC 36V LED	ND16-16D/2 AC/DC 36V YEL	593601
16mm	Curved surface	Resistance type	White, AC/DC 48V LED	ND16-16D/2 AC/DC 48V WHT	593604
16mm	Curved surface	Resistance type	Red, AC/DC 48V LED	ND16-16D/2 AC/DC 48V RED	593605
16mm	Curved surface	Resistance type	Green, AC/DC 48V LED	ND16-16D/2 AC/DC 48V GRN	593608
16mm	Curved surface	Resistance type	Blue, AC/DC 48V LED	ND16-16D/2 AC/DC 48V BLU	593607
16mm	Curved surface	Resistance type	Yellow, AC/DC 48V LED	ND16-16D/2 AC/DC 48V YEL	593606
16mm	Curved surface	Resistance type	White, AC/DC 6V LED	ND16-16D/2 AC/DC 6V WHT	593609
16mm	Curved surface	Resistance type	Red, AC/DC 6V LED	ND16-16D/2 AC/DC 6V RED	593610
16mm	Curved surface	Resistance type	Green, AC/DC 6V LED	ND16-16D/2 AC/DC 6V GRN	593613
16mm	Curved surface	Resistance type	Blue, AC/DC 6V LED	ND16-16D/2 AC/DC 6V BLU	593612
16mm	Curved surface	Resistance type	Yellow, AC/DC 6V LED	ND16-16D/2 AC/DC 6V YEL	593611
16mm	Curved surface	Resistance and capacitance type	White, AC 110V LED	ND16-16D/4 AC 110V WHT	593614
16mm	Curved surface	Resistance and capacitance type	Red, AC 110V LED	ND16-16D/4 AC 110V RED	593615
16mm	Curved surface	Resistance and capacitance type	Green, AC 110V LED	ND16-16D/4 AC 110V GRN	593618
16mm	Curved surface	Resistance and capacitance type	Blue, AC 110V LED	ND16-16D/4 AC 110V BLU	593617
16mm	Curved surface	Resistance and capacitance type	Yellow, AC 110V LED	ND16-16D/4 AC 110V YEL	593616
16mm	Curved surface	Resistance and capacitance type	White, AC 220V LED	ND16-16D/4 AC 220V WHT	593619
16mm	Curved surface	Resistance and capacitance type	Red, AC 220V LED	ND16-16D/4 AC 220V RED	593620
16mm	Curved surface	Resistance and capacitance type	Green, AC 220V LED	ND16-16D/4 AC 220V GRN	593623
16mm	Curved surface	Resistance and capacitance type	Blue, AC 220V LED	ND16-16D/4 AC 220V BLU	593622

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
16mm	Curved surface	Resistance and capacitance type	Yellow, AC 220V LED	ND16-16D/4 AC 220V YEL	593621
16mm	Curved surface	Resistance and capacitance type	White, AC 380V LED	ND16-16D/4 AC 380V WHT	593624
16mm	Curved surface	Resistance and capacitance type	Red, AC 380V LED	ND16-16D/4 AC 380V RED	593625
16mm	Curved surface	Resistance and capacitance type	Green, AC 380V LED	ND16-16D/4 AC 380V GRN	593628
16mm	Curved surface	Resistance and capacitance type	Blue, AC 380V LED	ND16-16D/4 AC 380V BLU	593627
16mm	Curved surface	Resistance and capacitance type	Yellow, AC 380V LED	ND16-16D/4 AC 380V YEL	593626
22mm	Flat surface, with notches	Resistance type	White, AC/DC 110V LED	ND16-22A/2 110V WHT	592746
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 110V LED	ND16-22A/2 110V RED	592748
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 110V LED	ND16-22A/2 110V GRN	592750
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 110V LED	ND16-22A/2 110V BLU	592747
22mm	Flat surface, with notches	Resistance type	Yellow, AC/DC 110V LED	ND16-22A/2 110V YEL	592749
22mm	Flat surface, with notches	Resistance type	White, AC/DC 12V LED	ND16-22A/2 12V WHT	592731
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 12V LED	ND16-22A/2 12V RED	592733
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 12V LED	ND16-22A/2 12V GRN	592735
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 12V LED	ND16-22A/2 12V BLU	592732
22mm	Flat surface, with notches	Resistance type	Yellow, AC/DC 12V LED	ND16-22A/2 12V YEL	592734
22mm	Flat surface, with notches	Resistance type	White, AC/DC 220V LED	ND16-22A/2 220V WHT	592751
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 220V LED	ND16-22A/2 220V RED	592753
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 220V LED	ND16-22A/2 220V GRN	592755
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 220V LED	ND16-22A/2 220V BLU	592752
22mm	Flat surface, with notches	Resistance type	Yellow, AC/DC 220V LED	ND16-22A/2 220V YEL	592754
22mm	Flat surface, with notches	Resistance type	White, AC/DC 230V LED	ND16-22A/2 230V RED	593432
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 230V LED	ND16-22A/2 230V GRN	593433
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 230V LED	ND16-22A/2 230V BLU	593435
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 230V LED	ND16-22A/2 230V YEL	593434
22mm	Flat surface, with notches	Resistance type	White, AC/DC 24V LED	ND16-22A/2 24V WHT	592736
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 24V LED	ND16-22A/2 24V RED	592738
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 24V LED	ND16-22A/2 24V GRN	592740
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 24V LED	ND16-22A/2 24V BLU	592737
22mm	Flat surface, with notches	Resistance type	Yellow, AC/DC 24V LED	ND16-22A/2 24V YEL	592739
22mm	Flat surface, with notches	Resistance type	White, AC/DC 36V LED	ND16-22A/2 36V WHT	105520
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 36V LED	ND16-22A/2 36V RED	105516
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 36V LED	ND16-22A/2 36V GRN	105518
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 36V LED	ND16-22A/2 36V BLU	105519
22mm	Flat surface, with notches	Resistance type	Yellow, AC/DC 36V LED	ND16-22A/2 36V YEL	105517
22mm	Flat surface, with notches	Resistance type	White, AC/DC 380V LED	ND16-22A/2 380V WHT	592756
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 380V LED	ND16-22A/2 380V RED	592758
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 380V LED	ND16-22A/2 380V GRN	592760
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 380V LED	ND16-22A/2 380V BLU	592757
22mm	Flat surface, with notches	Resistance type	Yellow, AC/DC 380V LED	ND16-22A/2 380V YEL	592759
22mm	Flat surface, with notches	Resistance type	White, AC/DC 400V LED	ND16-22A/2 400V WHT	593917
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 400V LED	ND16-22A/2 400V RED	593913
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 400V LED	ND16-22A/2 400V GRN	593915
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 400V LED	ND16-22A/2 400V BLU	593916

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface, with notches	Resistance type	Yellow, AC/DC 400V LED	ND16-22A/2 400V YEL	593914
22mm	Flat surface, with notches	Resistance type	White, AC/DC 48V LED	ND16-22A/2 48V WHT	592741
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 48V LED	ND16-22A/2 48V RED	592743
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 48V LED	ND16-22A/2 48V GRN	592745
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 48V LED	ND16-22A/2 48V BLU	592742
22mm	Flat surface, with notches	Resistance type	Yellow, AC/DC 48V LED	ND16-22A/2 48V YEL	592744
22mm	Flat surface, with notches	Resistance type	White, AC/DC 6V LED	ND16-22A/2 6V WHT	592726
22mm	Flat surface, with notches	Resistance type	Red, AC/DC 6V LED	ND16-22A/2 6V RED	592728
22mm	Flat surface, with notches	Resistance type	Green, AC/DC 6V LED	ND16-22A/2 6V GRN	592730
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 6V LED	ND16-22A/2 6V BLU	592727
22mm	Flat surface, with notches	Resistance type	Yellow, AC/DC 6V LED	ND16-22A/2 6V YEL	592729
22mm	Flat surface, with notches	Resistance and capacitance type	White, AC 110V LED	ND16-22A/4 110V WHT	592606
22mm	Flat surface, with notches	Resistance and capacitance type	Red, AC 110V LED	ND16-22A/4 110V RED	592608
22mm	Flat surface, with notches	Resistance and capacitance type	Green, AC 110V LED	ND16-22A/4 110V GRN	592610
22mm	Flat surface, with notches	Resistance and capacitance type	Blue, AC 110V LED	ND16-22A/4 110V BLU	592607
22mm	Flat surface, with notches	Resistance and capacitance type	Yellow, AC 110V LED	ND16-22A/4 110V YEL	592609
22mm	Flat surface, with notches	Resistance and capacitance type	White, AC 220V LED	ND16-22A/4 220V WHT	592614
22mm	Flat surface, with notches	Resistance and capacitance type	Red, AC 220V LED	ND16-22A/4 220V RED	592611
22mm	Flat surface, with notches	Resistance and capacitance type	Green, AC 220V LED	ND16-22A/4 220V GRN	592612
22mm	Flat surface, with notches	Resistance and capacitance type	Blue, AC 220V LED	ND16-22A/4 220V BLU	592615
22mm	Flat surface, with notches	Resistance and capacitance type	Yellow, AC 220V LED	ND16-22A/4 220V YEL	592613
22mm	Flat surface, with notches	Resistance and capacitance type	Orange, AC 230V LED	ND16-22A/4 230V ORG	110624
22mm	Flat surface, with notches	Resistance and capacitance type	White, AC 230V LED	ND16-22A/4 230V WHT	593454
22mm	Flat surface, with notches	Resistance and capacitance type	Red, AC 230V LED	ND16-22A/4 230V RED	593453
22mm	Flat surface, with notches	Resistance and capacitance type	Green, AC 230V LED	ND16-22A/4 230V GRN	593456
22mm	Flat surface, with notches	Resistance and capacitance type	Blue, AC 230V LED	ND16-22A/4 230V BLU	593455
22mm	Flat surface, with notches	Resistance and capacitance type	Yellow, AC 230V LED	ND16-22A/4 230V YEL	593452
22mm	Flat surface, with notches	Resistance and capacitance type	White, AC 380V LED	ND16-22A/4 380V WHT	592620
22mm	Flat surface, with notches	Resistance and capacitance type	Red, AC 380V LED	ND16-22A/4 380V RED	592616
22mm	Flat surface, with notches	Resistance and capacitance type	Green, AC 380V LED	ND16-22A/4 380V GRN	592617
22mm	Flat surface, with notches	Resistance and capacitance type	Blue, AC 380V LED	ND16-22A/4 380V BLU	592619
22mm	Flat surface, with notches	Resistance and capacitance type	Yellow, AC 380V LED	ND16-22A/4 380V YEL	592618
22mm	Flat surface, with notches	Resistance type, compact	White, AC/DC 12V LED	ND16-22AS/2 12V WHT	592871
22mm	Flat surface, with notches	Resistance type, compact	Red, AC/DC 12V LED	ND16-22AS/2 12V RED	592873
22mm	Flat surface, with notches	Resistance type, compact	Green, AC/DC 12V LED	ND16-22AS/2 12V GRN	592875
22mm	Flat surface, with notches	Resistance type, compact	Blue, AC/DC 12V LED	ND16-22AS/2 12V BLU	592872
22mm	Flat surface, with notches	Resistance type, compact	Yellow, AC/DC 12V LED	ND16-22AS/2 12V YEL	592874
22mm	Flat surface, with notches	Resistance type, compact	White, AC/DC 24V LED	ND16-22AS/2 24V WHT	592876
22mm	Flat surface, with notches	Resistance type, compact	Red, AC/DC 24V LED	ND16-22AS/2 24V RED	592878
22mm	Flat surface, with notches	Resistance type, compact	Green, AC/DC 24V LED	ND16-22AS/2 24V GRN	592880
22mm	Flat surface, with notches	Resistance type, compact	Blue, AC/DC 24V LED	ND16-22AS/2 24V BLU	592877
22mm	Flat surface, with notches	Resistance type, compact	Yellow, AC/DC 24V LED	ND16-22AS/2 24V YEL	592879
22mm	Flat surface, with notches	Resistance type, compact	White, AC/DC 48V LED	ND16-22AS/2 48V WHT	592881
22mm	Flat surface, with notches	Resistance type, compact	Red, AC/DC 48V LED	ND16-22AS/2 48V RED	592883

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface, with notches	Resistance type, compact	Green, AC/DC 48V LED	ND16-22AS/2 48V GRN	592885
22mm	Flat surface, with notches	Resistance type, compact	Blue, AC/DC 48V LED	ND16-22AS/2 48V BLU	592882
22mm	Flat surface, with notches	Resistance type, compact	Yellow, AC/DC 48V LED	ND16-22AS/2 48V YEL	592884
22mm	Flat surface, with notches	Resistance type, compact	White, AC/DC 6V LED	ND16-22AS/2 6V WHT	592866
22mm	Flat surface, with notches	Resistance type, compact	Red, AC/DC 6V LED	ND16-22AS/2 6V RED	592868
22mm	Flat surface, with notches	Resistance type, compact	Green, AC/DC 6V LED	ND16-22AS/2 6V GRN	592870
22mm	Flat surface, with notches	Resistance type, compact	Blue, AC/DC 6V LED	ND16-22AS/2 6V BLU	592867
22mm	Flat surface, with notches	Resistance type, compact	Yellow, AC/DC 6V LED	ND16-22AS/2 6V YEL	592869
22mm	Flat surface, with notches	Resistance and capacitance type, compact	White, AC 110V LED	ND16-22AS/4 110V WHT	592666
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Red, AC 110V LED	ND16-22AS/4 110V RED	592669
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Green, AC 110V LED	ND16-22AS/4 110V GRN	592668
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Blue, AC 110V LED	ND16-22AS/4 110V BLU	592667
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Yellow, AC 110V LED	ND16-22AS/4 110V YEL	592670
22mm	Flat surface, with notches	Resistance and capacitance type, compact	White, AC 220V LED	ND16-22AS/4 220V WHT	592671
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Red, AC 220V LED	ND16-22AS/4 220V RED	592674
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Green, AC 220V LED	ND16-22AS/4 220V GRN	592673
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Blue, AC 220V LED	ND16-22AS/4 220V BLU	592672
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Yellow, AC 220V LED	ND16-22AS/4 220V YEL	592675
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Green, AC 230V LED	ND16-22AS/4 230V GRN	593413
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Blue, AC 230V LED	ND16-22AS/4 230V BLU	593925
22mm	Flat surface, with notches	Resistance and capacitance type, compact	White, AC 380V LED	ND16-22AS/4 380V WHT	592676
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Red, AC 380V LED	ND16-22AS/4 380V RED	592679
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Green, AC 380V LED	ND16-22AS/4 380V GRN	592678
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Blue, AC 380V LED	ND16-22AS/4 380V BLU	592677
22mm	Flat surface, with notches	Resistance and capacitance type, compact	Yellow, AC 380V LED	ND16-22AS/4 380V YEL	592680
22mm	Flat surface	Resistance type	Orange, AC/DC 110V LED	ND16-22B/2 110V ORG	593437
22mm	Flat surface	Resistance type	White, AC/DC 110V LED	ND16-22B/2 110V WHT	592781
22mm	Flat surface	Resistance type	Red, AC/DC 110V LED	ND16-22B/2 110V RED	592783
22mm	Flat surface	Resistance type	Green, AC/DC 110V LED	ND16-22B/2 110V GRN	592785
22mm	Flat surface	Resistance type	Blue, AC/DC 110V LED	ND16-22B/2 110V BLU	592782
22mm	Flat surface	Resistance type	Yellow, AC/DC 110V LED	ND16-22B/2 110V YEL	592784
22mm	Flat surface	Resistance type	Orange, AC/DC 12V LED	ND16-22B/2 12V ORG	267918
22mm	Flat surface	Resistance type	White, AC/DC 12V LED	ND16-22B/2 12V WHT	592766
22mm	Flat surface	Resistance type	Red, AC/DC 12V LED	ND16-22B/2 12V RED	592768
22mm	Flat surface	Resistance type	Green, AC/DC 12V LED	ND16-22B/2 12V GRN	592770
22mm	Flat surface	Resistance type	Blue, AC/DC 12V LED	ND16-22B/2 12V BLU	592767
22mm	Flat surface	Resistance type	Yellow, AC/DC 12V LED	ND16-22B/2 12V YEL	592769
22mm	Flat surface	Resistance type	Orange, AC/DC 220V LED	ND16-22B/2 220V ORG	593438
22mm	Flat surface	Resistance type	White, AC/DC 220V LED	ND16-22B/2 220V WHT	592786
22mm	Flat surface	Resistance type	Red, AC/DC 220V LED	ND16-22B/2 220V RED	592788
22mm	Flat surface	Resistance type	Green, AC/DC 220V LED	ND16-22B/2 220V GRN	592790
22mm	Flat surface	Resistance type	Blue, AC/DC 220V LED	ND16-22B/2 220V BLU	592787
22mm	Flat surface	Resistance type	Yellow, AC/DC 220V LED	ND16-22B/2 220V YEL	592789
22mm	Flat surface, with notches	Resistance type	Blue, AC/DC 400V LED	ND16-22A/2 400V BLU	593916

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface	Resistance type	Orange, AC/DC 230V LED	ND16-22B/2 230V ORG	268677
22mm	Flat surface	Resistance type	White, AC/DC 230V LED	ND16-22B/2 230V WHT	593312
22mm	Flat surface	Resistance type	Red, AC/DC 230V LED	ND16-22B/2 230V RED	593309
22mm	Flat surface	Resistance type	Green, AC/DC 230V LED	ND16-22B/2 230V GRN	593310
22mm	Flat surface	Resistance type	Blue, AC/DC 230V LED	ND16-22B/2 230V BLU	593313
22mm	Flat surface	Resistance type	Yellow, AC/DC 230V LED	ND16-22B/2 230V YEL	593311
22mm	Flat surface	Resistance type	Orange, AC/DC 240V LED	ND16-22B/2 240V ORG	828358
22mm	Flat surface	Resistance type	White, AC/DC 240V LED	ND16-22B/2 240V WHT	828359
22mm	Flat surface	Resistance type	Red, AC/DC 240V LED	ND16-22B/2 240V RED	593439
22mm	Flat surface	Resistance type	Green, AC/DC 240V LED	ND16-22B/2 240V GRN	593440
22mm	Flat surface	Resistance type	Blue, AC/DC 240V LED	ND16-22B/2 240V BLU	268718
22mm	Flat surface	Resistance type	Yellow, AC/DC 240V LED	ND16-22B/2 240V YEL	593441
22mm	Flat surface	Resistance type	Orange, AC/DC 24V LED	ND16-22B/2 24V ORG	267931
22mm	Flat surface	Resistance type	White, AC/DC 24V LED	ND16-22B/2 24V WHT	592771
22mm	Flat surface	Resistance type	Red, AC/DC 24V LED	ND16-22B/2 24V RED	592773
22mm	Flat surface	Resistance type	Green, AC/DC 24V LED	ND16-22B/2 24V GRN	592775
22mm	Flat surface	Resistance type	Blue, AC/DC 24V LED	ND16-22B/2 24V BLU	592772
22mm	Flat surface	Resistance type	Yellow, AC/DC 24V LED	ND16-22B/2 24V YEL	592774
22mm	Flat surface	Resistance type	Orange, AC/DC 36V LED	ND16-22B/2 36V ORG	267954
22mm	Flat surface	Resistance type	White, AC/DC 36V LED	ND16-22B/2 36V WHT	267953
22mm	Flat surface	Resistance type	Red, AC/DC 36V LED	ND16-22B/2 36V RED	267949
22mm	Flat surface	Resistance type	Green, AC/DC 36V LED	ND16-22B/2 36V GRN	267951
22mm	Flat surface	Resistance type	Blue, AC/DC 36V LED	ND16-22B/2 36V BLU	267952
22mm	Flat surface	Resistance type	Yellow, AC/DC 36V LED	ND16-22B/2 36V YEL	267950
22mm	Flat surface	Resistance type	Orange, AC/DC 380V LED	ND16-22B/2 380V ORG	268762
22mm	Flat surface	Resistance type	White, AC/DC 380V LED	ND16-22B/2 380V WHT	592791
22mm	Flat surface	Resistance type	Red, AC/DC 380V LED	ND16-22B/2 380V RED	592793
22mm	Flat surface	Resistance type	Green, AC/DC 380V LED	ND16-22B/2 380V GRN	592795
22mm	Flat surface	Resistance type	Blue, AC/DC 380V LED	ND16-22B/2 380V BLU	592792
22mm	Flat surface	Resistance type	Yellow, AC/DC 380V LED	ND16-22B/2 380V YEL	592794
22mm	Flat surface	Resistance type	Orange, AC/DC 400V LED	ND16-22B/2 400V ORG	268819
22mm	Flat surface	Resistance type	White, AC/DC 400V LED	ND16-22B/2 400V WHT	268818
22mm	Flat surface	Resistance type	Red, AC/DC 400V LED	ND16-22B/2 400V RED	268814
22mm	Flat surface	Resistance type	Green, AC/DC 400V LED	ND16-22B/2 400V GRN	268816
22mm	Flat surface	Resistance type	Blue, AC/DC 400V LED	ND16-22B/2 400V BLU	268817
22mm	Flat surface	Resistance type	Yellow, AC/DC 400V LED	ND16-22B/2 400V YEL	268815
22mm	Flat surface	Resistance type	Orange, AC/DC 48V LED	ND16-22B/2 48V ORG	267967
22mm	Flat surface	Resistance type	White, AC/DC 48V LED	ND16-22B/2 48V WHT	592776
22mm	Flat surface	Resistance type	Red, AC/DC 48V LED	ND16-22B/2 48V RED	592778
22mm	Flat surface	Resistance type	Green, AC/DC 48V LED	ND16-22B/2 48V GRN	592780
22mm	Flat surface	Resistance type	Blue, AC/DC 48V LED	ND16-22B/2 48V BLU	592777
22mm	Flat surface	Resistance type	Yellow, AC/DC 48V LED	ND16-22B/2 48V YEL	592779
22mm	Flat surface	Resistance type	Orange, AC/DC 6V LED	ND16-22B/2 6V ORG	267909
22mm	Flat surface	Resistance type	White, AC/DC 6V LED	ND16-22B/2 6V WHT	592761

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface	Resistance type	Red, AC/DC 6V LED	ND16-22B/2 6V RED	592763
22mm	Flat surface	Resistance type	Green, AC/DC 6V LED	ND16-22B/2 6V GRN	592765
22mm	Flat surface	Resistance type	Blue, AC/DC 6V LED	ND16-22B/2 6V BLU	592762
22mm	Flat surface	Resistance type	Yellow, AC/DC 6V LED	ND16-22B/2 6V YEL	592764
22mm	Flat surface	Resistance type	Orange, AC/DC 110V LED, IP65	ND16-22B/2C 110V ORG	267992
22mm	Flat surface	Resistance type	White, AC/DC 110V LED, IP65	ND16-22B/2C 110V WHT	267991
22mm	Flat surface	Resistance type	Red, AC/DC 110V LED, IP65	ND16-22B/2C 110V RED	267987
22mm	Flat surface	Resistance type	Green, AC/DC 110V LED, IP65	ND16-22B/2C 110V GRN	267989
22mm	Flat surface	Resistance type	Blue, AC/DC 110V LED, IP65	ND16-22B/2C 110V BLU	267990
22mm	Flat surface	Resistance type	Yellow, AC/DC 110V LED, IP65	ND16-22B/2C 110V YEL	267988
22mm	Flat surface	Resistance type	Orange, AC/DC 12V LED, IP65	ND16-22B/2C 12V ORG	267924
22mm	Flat surface	Resistance type	White, AC/DC 12V LED, IP65	ND16-22B/2C 12V WHT	267923
22mm	Flat surface	Resistance type	Red, AC/DC 12V LED, IP65	ND16-22B/2C 12V RED	267919
22mm	Flat surface	Resistance type	Green, AC/DC 12V LED, IP65	ND16-22B/2C 12V GRN	267921
22mm	Flat surface	Resistance type	Blue, AC/DC 12V LED, IP65	ND16-22B/2C 12V BLU	267922
22mm	Flat surface	Resistance type	Yellow, AC/DC 12V LED, IP65	ND16-22B/2C 12V YEL	267920
22mm	Flat surface	Resistance type	Orange, AC/DC 220V LED, IP65	ND16-22B/2C 220V ORG	268651
22mm	Flat surface	Resistance type	White, AC/DC 220V LED, IP65	ND16-22B/2C 220V WHT	268650
22mm	Flat surface	Resistance type	Red, AC/DC 220V LED, IP65	ND16-22B/2C 220V RED	268646
22mm	Flat surface	Resistance type	Green, AC/DC 220V LED, IP65	ND16-22B/2C 220V GRN	268648
22mm	Flat surface	Resistance type	Blue, AC/DC 220V LED, IP65	ND16-22B/2C 220V BLU	268649
22mm	Flat surface	Resistance type	Yellow, AC/DC 220V LED, IP65	ND16-22B/2C 220V YEL	268647
22mm	Flat surface	Resistance type	Orange, AC/DC 230V LED, IP65	ND16-22B/2C 230V ORG	268683
22mm	Flat surface	Resistance type	White, AC/DC 230V LED, IP65	ND16-22B/2C 230V WHT	268682
22mm	Flat surface	Resistance type	Red, AC/DC 230V LED, IP65	ND16-22B/2C 230V RED	268678
22mm	Flat surface	Resistance type	Green, AC/DC 230V LED, IP65	ND16-22B/2C 230V GRN	268680
22mm	Flat surface	Resistance type	Blue, AC/DC 230V LED, IP65	ND16-22B/2C 230V BLU	268681
22mm	Flat surface	Resistance type	Yellow, AC/DC 230V LED, IP65	ND16-22B/2C 230V YEL	268679
22mm	Flat surface	Resistance type	Orange, AC/DC 240V LED, IP65	ND16-22B/2C 240V ORG	268724
22mm	Flat surface	Resistance type	White, AC/DC 240V LED, IP65	ND16-22B/2C 240V WHT	268723
22mm	Flat surface	Resistance type	Red, AC/DC 240V LED, IP65	ND16-22B/2C 240V RED	268719
22mm	Flat surface	Resistance type	Green, AC/DC 240V LED, IP65	ND16-22B/2C 240V GRN	268721
22mm	Flat surface	Resistance type	Blue, AC/DC 240V LED, IP65	ND16-22B/2C 240V BLU	268722
22mm	Flat surface	Resistance type	Yellow, AC/DC 240V LED, IP65	ND16-22B/2C 240V YEL	268720
22mm	Flat surface	Resistance type	White, AC/DC 24V LED, IP65	ND16-22B/2C 24V WHT	267930
22mm	Flat surface	Resistance type	Red, AC/DC 24V LED, IP65	ND16-22B/2C 24V RED	267926
22mm	Flat surface	Resistance type	Green, AC/DC 24V LED, IP65	ND16-22B/2C 24V GRN	267928
22mm	Flat surface	Resistance type	Blue, AC/DC 24V LED, IP65	ND16-22B/2C 24V BLU	267929
22mm	Flat surface	Resistance type	Yellow, AC/DC 24V LED, IP65	ND16-22B/2C 24V YEL	267927
22mm	Flat surface	Resistance type	Orange, AC/DC 36V LED, IP65	ND16-22B/2C 36V ORG	267960
22mm	Flat surface	Resistance type	White, AC/DC 36V LED, IP65	ND16-22B/2C 36V WHT	267959
22mm	Flat surface	Resistance type	Red, AC/DC 36V LED, IP65	ND16-22B/2C 36V RED	267955
22mm	Flat surface	Resistance type	Green, AC/DC 36V LED, IP65	ND16-22B/2C 36V GRN	267957
22mm	Flat surface	Resistance type	Blue, AC/DC 36V LED, IP65	ND16-22B/2C 36V BLU	267958

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface	Resistance type	Yellow, AC/DC 36V LED, IP65	ND16-22B/2C 36V YEL	267956
22mm	Flat surface	Resistance type	Orange, AC/DC 380V LED, IP65	ND16-22B/2C 380V ORG	268768
22mm	Flat surface	Resistance type	White, AC/DC 380V LED, IP65	ND16-22B/2C 380V WHT	268767
22mm	Flat surface	Resistance type	Red, AC/DC 380V LED, IP65	ND16-22B/2C 380V RED	268763
22mm	Flat surface	Resistance type	Green, AC/DC 380V LED, IP65	ND16-22B/2C 380V GRN	268765
22mm	Flat surface	Resistance type	Blue, AC/DC 380V LED, IP65	ND16-22B/2C 380V BLU	268766
22mm	Flat surface	Resistance type	Yellow, AC/DC 380V LED, IP65	ND16-22B/2C 380V YEL	268764
22mm	Flat surface	Resistance type	Orange, AC/DC 400V LED, IP65	ND16-22B/2C 400V ORG	268825
22mm	Flat surface	Resistance type	White, AC/DC 400V LED, IP65	ND16-22B/2C 400V WHT	268824
22mm	Flat surface	Resistance type	Red, AC/DC 400V LED, IP65	ND16-22B/2C 400V RED	268820
22mm	Flat surface	Resistance type	Green, AC/DC 400V LED, IP65	ND16-22B/2C 400V GRN	268822
22mm	Flat surface	Resistance type	Blue, AC/DC 400V LED, IP65	ND16-22B/2C 400V BLU	268823
22mm	Flat surface	Resistance type	Yellow, AC/DC 400V LED, IP65	ND16-22B/2C 400V YEL	268821
22mm	Flat surface	Resistance type	Orange, AC/DC 48V LED, IP65	ND16-22B/2C 48V ORG	267973
22mm	Flat surface	Resistance type	White, AC/DC 48V LED, IP65	ND16-22B/2C 48V WHT	267972
22mm	Flat surface	Resistance type	Red, AC/DC 48V LED, IP65	ND16-22B/2C 48V RED	267968
22mm	Flat surface	Resistance type	Green, AC/DC 48V LED, IP65	ND16-22B/2C 48V GRN	267970
22mm	Flat surface	Resistance type	Blue, AC/DC 48V LED, IP65	ND16-22B/2C 48V BLU	267971
22mm	Flat surface	Resistance type	Yellow, AC/DC 48V LED, IP65	ND16-22B/2C 48V YEL	267969
22mm	Flat surface	Resistance type	Orange, AC/DC 6V LED, IP65	ND16-22B/2C 6V ORG	267915
22mm	Flat surface	Resistance type	White, AC/DC 6V LED, IP65	ND16-22B/2C 6V WHT	267914
22mm	Flat surface	Resistance type	Red, AC/DC 6V LED, IP65	ND16-22B/2C 6V RED	267910
22mm	Flat surface	Resistance type	Green, AC/DC 6V LED, IP65	ND16-22B/2C 6V GRN	267912
22mm	Flat surface	Resistance type	Blue, AC/DC 6V LED, IP65	ND16-22B/2C 6V BLU	267913
22mm	Flat surface	Resistance type	Yellow, AC/DC 6V LED, IP65	ND16-22B/2C 6V YEL	267911
22mm	Flat surface	Resistance type	Orange, AC/DC 220V LED, anti-interference	ND16-22B/2K2 220V ORG	268659
22mm	Flat surface	Resistance type	White, AC/DC 220V LED, anti-interference	ND16-22B/2K2 220V WHT	268658
22mm	Flat surface	Resistance type	Red, AC/DC 220V LED, anti-interference	ND16-22B/2K2 220V RED	268654
22mm	Flat surface	Resistance type	Green, AC/DC 220V LED, anti-interference	ND16-22B/2K2 220V GRN	268656
22mm	Flat surface	Resistance type	Blue, AC/DC 220V LED, anti-interference	ND16-22B/2K2 220V BLU	268657
22mm	Flat surface	Resistance type	Yellow, AC/DC 220V LED, anti-interference	ND16-22B/2K2 220V YEL	268655
22mm	Flat surface	Resistance and capacitance type	Orange, AC 110V LED	ND16-22B/4 110V ORG	267979
22mm	Flat surface	Resistance and capacitance type	White, AC 110V LED	ND16-22B/4 110V WHT	592621
22mm	Flat surface	Resistance and capacitance type	Red, AC 110V LED	ND16-22B/4 110V RED	592623
22mm	Flat surface	Resistance and capacitance type	Green, AC 110V LED	ND16-22B/4 110V GRN	592625
22mm	Flat surface	Resistance and capacitance type	Blue, AC 110V LED	ND16-22B/4 110V BLU	592622
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 110V LED	ND16-22B/4 110V YEL	592624
22mm	Flat surface	Resistance and capacitance type	Orange, AC 220V LED	ND16-22B/4 220V ORG	593457
22mm	Flat surface	Resistance and capacitance type	White, AC 220V LED	ND16-22B/4 220V WHT	592630
22mm	Flat surface	Resistance and capacitance type	Red, AC 220V LED	ND16-22B/4 220V RED	592626
22mm	Flat surface	Resistance and capacitance type	Green, AC 220V LED	ND16-22B/4 220V GRN	592627
22mm	Flat surface	Resistance and capacitance type	Blue, AC 220V LED	ND16-22B/4 220V BLU	592629
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 220V LED	ND16-22B/4 220V YEL	592628
22mm	Flat surface	Resistance and capacitance type	Orange, AC 230V LED	ND16-22B/4 230V ORG	268669

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface	Resistance and capacitance type	White, AC 230V LED	ND16-22B/4 230V WHT	268668
22mm	Flat surface	Resistance and capacitance type	Red, AC 230V LED	ND16-22B/4 230V RED	268664
22mm	Flat surface	Resistance and capacitance type	Green, AC 230V LED	ND16-22B/4 230V GRN	268666
22mm	Flat surface	Resistance and capacitance type	Blue, AC 230V LED	ND16-22B/4 230V BLU	268667
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 230V LED	ND16-22B/4 230V YEL	268665
22mm	Flat surface	Resistance and capacitance type	Orange, AC 240V LED	ND16-22B/4 240V ORG	268711
22mm	Flat surface	Resistance and capacitance type	White, AC 240V LED	ND16-22B/4 240V WHT	593460
22mm	Flat surface	Resistance and capacitance type	Red, AC 240V LED	ND16-22B/4 240V RED	593459
22mm	Flat surface	Resistance and capacitance type	Green, AC 240V LED	ND16-22B/4 240V GRN	593462
22mm	Flat surface	Resistance and capacitance type	Blue, AC 240V LED	ND16-22B/4 240V BLU	593461
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 240V LED	ND16-22B/4 240V YEL	593458
22mm	Flat surface	Resistance and capacitance type	Orange, AC 380V LED	ND16-22B/4 380V ORG	268749
22mm	Flat surface	Resistance and capacitance type	White, AC 380V LED	ND16-22B/4 380V WHT	592635
22mm	Flat surface	Resistance and capacitance type	Red, AC 380V LED	ND16-22B/4 380V RED	592631
22mm	Flat surface	Resistance and capacitance type	Green, AC 380V LED	ND16-22B/4 380V GRN	592632
22mm	Flat surface	Resistance and capacitance type	Blue, AC 380V LED	ND16-22B/4 380V BLU	592634
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 380V LED	ND16-22B/4 380V YEL	592633
22mm	Flat surface	Resistance and capacitance type	Orange, AC 400V LED	ND16-22B/4 400V ORG	268801
22mm	Flat surface	Resistance and capacitance type	White, AC 400V LED	ND16-22B/4 400V WHT	268800
22mm	Flat surface	Resistance and capacitance type	Red, AC 400V LED	ND16-22B/4 400V RED	268796
22mm	Flat surface	Resistance and capacitance type	Green, AC 400V LED	ND16-22B/4 400V GRN	268798
22mm	Flat surface	Resistance and capacitance type	Blue, AC 400V LED	ND16-22B/4 400V BLU	268799
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 400V LED	ND16-22B/4 400V YEL	268797
22mm	Flat surface	Resistance and capacitance type	Orange, AC 110V LED, IP65	ND16-22B/4C 110V ORG	267986
22mm	Flat surface	Resistance and capacitance type	White, AC 110V LED, IP65	ND16-22B/4C 110V WHT	267985
22mm	Flat surface	Resistance and capacitance type	Red, AC 110V LED, IP65	ND16-22B/4C 110V RED	267981
22mm	Flat surface	Resistance and capacitance type	Green, AC 110V LED, IP65	ND16-22B/4C 110V GRN	267983
22mm	Flat surface	Resistance and capacitance type	Blue, AC 110V LED, IP65	ND16-22B/4C 110V BLU	267984
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 110V LED, IP65	ND16-22B/4C 110V YEL	267982
22mm	Flat surface	Resistance and capacitance type	Orange, AC 220V LED, IP65	ND16-22B/4C 220V ORG	268645
22mm	Flat surface	Resistance and capacitance type	White, AC 220V LED, IP65	ND16-22B/4C 220V WHT	268644
22mm	Flat surface	Resistance and capacitance type	Red, AC 220V LED, IP65	ND16-22B/4C 220V RED	268640
22mm	Flat surface	Resistance and capacitance type	Green, AC 220V LED, IP65	ND16-22B/4C 220V GRN	268642
22mm	Flat surface	Resistance and capacitance type	Blue, AC 220V LED, IP65	ND16-22B/4C 220V BLU	268643
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 220V LED, IP65	ND16-22B/4C 220V YEL	268641
22mm	Flat surface	Resistance and capacitance type	Orange, AC 230V LED, IP65	ND16-22B/4C 230V ORG	268676
22mm	Flat surface	Resistance and capacitance type	White, AC 230V LED, IP65	ND16-22B/4C 230V WHT	268675
22mm	Flat surface	Resistance and capacitance type	Red, AC 230V LED, IP65	ND16-22B/4C 230V RED	268671
22mm	Flat surface	Resistance and capacitance type	Green, AC 230V LED, IP65	ND16-22B/4C 230V GRN	268673
22mm	Flat surface	Resistance and capacitance type	Blue, AC 230V LED, IP65	ND16-22B/4C 230V BLU	268674
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 230V LED, IP65	ND16-22B/4C 230V YEL	268672
22mm	Flat surface	Resistance and capacitance type	Orange, AC 240V LED, IP65	ND16-22B/4C 240V ORG	268717
22mm	Flat surface	Resistance and capacitance type	White, AC 240V LED, IP65	ND16-22B/4C 240V WHT	268716
22mm	Flat surface	Resistance and capacitance type	Red, AC 240V LED, IP65	ND16-22B/4C 240V RED	268712

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface	Resistance and capacitance type	Green, AC 240V LED, IP65	ND16-22B/4C 240V GRN	268714
22mm	Flat surface	Resistance and capacitance type	Blue, AC 240V LED, IP65	ND16-22B/4C 240V BLU	268715
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 240V LED, IP65	ND16-22B/4C 240V YEL	268713
22mm	Flat surface	Resistance and capacitance type	Orange, AC 380V LED, IP65	ND16-22B/4C 380V ORG	268761
22mm	Flat surface	Resistance and capacitance type	White, AC 380V LED, IP65	ND16-22B/4C 380V WHT	268760
22mm	Flat surface	Resistance and capacitance type	Red, AC 380V LED, IP65	ND16-22B/4C 380V RED	268756
22mm	Flat surface	Resistance and capacitance type	Green, AC 380V LED, IP65	ND16-22B/4C 380V GRN	268758
22mm	Flat surface	Resistance and capacitance type	Blue, AC 380V LED, IP65	ND16-22B/4C 380V BLU	268759
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 380V LED, IP65	ND16-22B/4C 380V YEL	268757
22mm	Flat surface	Resistance and capacitance type	Orange, AC 400V LED, IP65	ND16-22B/4C 400V ORG	268813
22mm	Flat surface	Resistance and capacitance type	White, AC 400V LED, IP65	ND16-22B/4C 400V WHT	268812
22mm	Flat surface	Resistance and capacitance type	Red, AC 400V LED, IP65	ND16-22B/4C 400V RED	268808
22mm	Flat surface	Resistance and capacitance type	Green, AC 400V LED, IP65	ND16-22B/4C 400V GRN	268810
22mm	Flat surface	Resistance and capacitance type	Blue, AC 400V LED, IP65	ND16-22B/4C 400V BLU	268811
22mm	Flat surface	Resistance and capacitance type	Yellow, AC 400V LED, IP65	ND16-22B/4C 400V YEL	268809
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 12V LED	ND16-22BS/2 12V ORG	593402
22mm	Flat surface	Resistance type, compact	White, AC/DC 12V LED	ND16-22BS/2 12V WHT	592891
22mm	Flat surface	Resistance type, compact	Red, AC/DC 12V LED	ND16-22BS/2 12V RED	592893
22mm	Flat surface	Resistance type, compact	Green, AC/DC 12V LED	ND16-22BS/2 12V GRN	592895
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 12V LED	ND16-22BS/2 12V BLU	592892
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 12V LED	ND16-22BS/2 12V YEL	592894
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 24V LED	ND16-22BS/2 24V ORG	593403
22mm	Flat surface	Resistance type, compact	White, AC/DC 24V LED	ND16-22BS/2 24V WHT	592896
22mm	Flat surface	Resistance type, compact	Red, AC/DC 24V LED	ND16-22BS/2 24V RED	592898
22mm	Flat surface	Resistance type, compact	Green, AC/DC 24V LED	ND16-22BS/2 24V GRN	592900
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 24V LED	ND16-22BS/2 24V BLU	592897
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 24V LED	ND16-22BS/2 24V YEL	592899
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 36V LED	ND16-22BS/2 36V ORG	267947
22mm	Flat surface	Resistance type, compact	White, AC/DC 36V LED	ND16-22BS/2 36V WHT	593407
22mm	Flat surface	Resistance type, compact	Red, AC/DC 36V LED	ND16-22BS/2 36V RED	593404
22mm	Flat surface	Resistance type, compact	Green, AC/DC 36V LED	ND16-22BS/2 36V GRN	593405
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 36V LED	ND16-22BS/2 36V BLU	593406
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 36V LED	ND16-22BS/2 36V YEL	267946
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 48V LED	ND16-22BS/2 48V ORG	267965
22mm	Flat surface	Resistance type, compact	White, AC/DC 48V LED	ND16-22BS/2 48V WHT	592901
22mm	Flat surface	Resistance type, compact	Red, AC/DC 48V LED	ND16-22BS/2 48V RED	592903
22mm	Flat surface	Resistance type, compact	Green, AC/DC 48V LED	ND16-22BS/2 48V GRN	592905
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 48V LED	ND16-22BS/2 48V BLU	592902
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 48V LED	ND16-22BS/2 48V YEL	592904
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 6V LED	ND16-22BS/2 6V ORG	267907
22mm	Flat surface	Resistance type, compact	White, AC/DC 6V LED	ND16-22BS/2 6V WHT	592886
22mm	Flat surface	Resistance type, compact	Red, AC/DC 6V LED	ND16-22BS/2 6V RED	592888
22mm	Flat surface	Resistance type, compact	Green, AC/DC 6V LED	ND16-22BS/2 6V GRN	592890
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 6V LED	ND16-22BS/2 6V BLU	592887

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 6V LED	ND16-22BS/2 6V YEL	592889
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 12V LED, IP65	ND16-22BS/2C 12V ORG	828226
22mm	Flat surface	Resistance type, compact	White, AC/DC 12V LED, IP65	ND16-22BS/2C 12V WHT	828221
22mm	Flat surface	Resistance type, compact	Red, AC/DC 12V LED, IP65	ND16-22BS/2C 12V RED	828223
22mm	Flat surface	Resistance type, compact	Green, AC/DC 12V LED, IP65	ND16-22BS/2C 12V GRN	828225
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 12V LED, IP65	ND16-22BS/2C 12V BLU	828222
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 12V LED, IP65	ND16-22BS/2C 12V YEL	828224
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 24V LED, IP65	ND16-22BS/2C 24V ORG	828238
22mm	Flat surface	Resistance type, compact	White, AC/DC 24V LED, IP65	ND16-22BS/2C 24V WHT	828233
22mm	Flat surface	Resistance type, compact	Red, AC/DC 24V LED, IP65	ND16-22BS/2C 24V RED	828235
22mm	Flat surface	Resistance type, compact	Green, AC/DC 24V LED, IP65	ND16-22BS/2C 24V GRN	828237
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 24V LED, IP65	ND16-22BS/2C 24V BLU	828234
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 24V LED, IP65	ND16-22BS/2C 24V YEL	828236
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 36V LED, IP65	ND16-22BS/2C 36V ORG	267948
22mm	Flat surface	Resistance type, compact	White, AC/DC 36V LED, IP65	ND16-22BS/2C 36V WHT	828245
22mm	Flat surface	Resistance type, compact	Red, AC/DC 36V LED, IP65	ND16-22BS/2C 36V RED	828247
22mm	Flat surface	Resistance type, compact	Green, AC/DC 36V LED, IP65	ND16-22BS/2C 36V GRN	828249
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 36V LED, IP65	ND16-22BS/2C 36V BLU	828246
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 36V LED, IP65	ND16-22BS/2C 36V YEL	828248
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 48V LED, IP65	ND16-22BS/2C 48V ORG	267966
22mm	Flat surface	Resistance type, compact	White, AC/DC 48V LED, IP65	ND16-22BS/2C 48V WHT	828255
22mm	Flat surface	Resistance type, compact	Red, AC/DC 48V LED, IP65	ND16-22BS/2C 48V RED	828257
22mm	Flat surface	Resistance type, compact	Green, AC/DC 48V LED, IP65	ND16-22BS/2C 48V GRN	828259
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 48V LED, IP65	ND16-22BS/2C 48V BLU	828256
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 48V LED, IP65	ND16-22BS/2C 48V YEL	828258
22mm	Flat surface	Resistance type, compact	Orange, AC/DC 6V LED, IP65	ND16-22BS/2C 6V ORG	267908
22mm	Flat surface	Resistance type, compact	White, AC/DC 6V LED, IP65	ND16-22BS/2C 6V WHT	828211
22mm	Flat surface	Resistance type, compact	Red, AC/DC 6V LED, IP65	ND16-22BS/2C 6V RED	828213
22mm	Flat surface	Resistance type, compact	Green, AC/DC 6V LED, IP65	ND16-22BS/2C 6V GRN	828215
22mm	Flat surface	Resistance type, compact	Blue, AC/DC 6V LED, IP65	ND16-22BS/2C 6V BLU	828212
22mm	Flat surface	Resistance type, compact	Yellow, AC/DC 6V LED, IP65	ND16-22BS/2C 6V YEL	828214
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 110V LED	ND16-22BS/4 110V ORG	267978
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 110V LED	ND16-22BS/4 110V WHT	592681
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 110V LED	ND16-22BS/4 110V RED	592683
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 110V LED	ND16-22BS/4 110V GRN	592685
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 110V LED	ND16-22BS/4 110V BLU	592682
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 110V LED	ND16-22BS/4 110V YEL	592684
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 220V LED	ND16-22BS/4 220V ORG	268638
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 220V LED	ND16-22BS/4 220V WHT	592686
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 220V LED	ND16-22BS/4 220V RED	592688
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 220V LED	ND16-22BS/4 220V GRN	592690
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 220V LED	ND16-22BS/4 220V BLU	592687
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 220V LED	ND16-22BS/4 220V YEL	592689
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 230V LED	ND16-22BS/4 230V ORG	268663

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 230V LED	ND16-22BS/4 230V WHT	593292
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 230V LED	ND16-22BS/4 230V RED	593294
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 230V LED	ND16-22BS/4 230V GRN	593296
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 230V LED	ND16-22BS/4 230V BLU	593293
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 230V LED	ND16-22BS/4 230V YEL	593295
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 240V LED	ND16-22BS/4 240V ORG	593418
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 240V LED	ND16-22BS/4 240V WHT	593419
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 240V LED	ND16-22BS/4 240V RED	593414
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 240V LED	ND16-22BS/4 240V GRN	593415
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 240V LED	ND16-22BS/4 240V BLU	593417
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 240V LED	ND16-22BS/4 240V YEL	593416
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 380V LED	ND16-22BS/4 380V ORG	268748
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 380V LED	ND16-22BS/4 380V WHT	592691
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 380V LED	ND16-22BS/4 380V RED	592693
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 380V LED	ND16-22BS/4 380V GRN	592695
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 380V LED	ND16-22BS/4 380V BLU	592692
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 380V LED	ND16-22BS/4 380V YEL	592694
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 400V LED	ND16-22BS/4 400V ORG	268795
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 400V LED	ND16-22BS/4 400V WHT	268794
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 400V LED	ND16-22BS/4 400V RED	268790
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 400V LED	ND16-22BS/4 400V GRN	268792
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 400V LED	ND16-22BS/4 400V BLU	268793
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 400V LED	ND16-22BS/4 400V YEL	268791
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 110V LED, IP65	ND16-22BS/4C 110V ORG	267980
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 110V LED, IP65	ND16-22BS/4C 110V WHT	828265
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 110V LED, IP65	ND16-22BS/4C 110V RED	828267
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 110V LED, IP65	ND16-22BS/4C 110V GRN	828269
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 110V LED, IP65	ND16-22BS/4C 110V BLU	828266
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 110V LED, IP65	ND16-22BS/4C 110V YEL	828268
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 220V LED, IP65	ND16-22BS/4C 220V ORG	268639
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 220V LED, IP65	ND16-22BS/4C 220V WHT	828275
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 220V LED, IP65	ND16-22BS/4C 220V RED	828277
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 220V LED, IP65	ND16-22BS/4C 220V GRN	828279
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 220V LED, IP65	ND16-22BS/4C 220V BLU	828276
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 220V LED, IP65	ND16-22BS/4C 220V YEL	828278
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 230V LED, IP65	ND16-22BS/4C 230V ORG	268670
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 230V LED, IP65	ND16-22BS/4C 230V WHT	828285
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 230V LED, IP65	ND16-22BS/4C 230V RED	828287
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 230V LED, IP65	ND16-22BS/4C 230V GRN	828289
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 230V LED, IP65	ND16-22BS/4C 230V BLU	828286
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 230V LED, IP65	ND16-22BS/4C 230V YEL	828288
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 240V LED, IP65	ND16-22BS/4C 240V ORG	828300
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 240V LED, IP65	ND16-22BS/4C 240V WHT	828295
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 240V LED, IP65	ND16-22BS/4C 240V RED	828297

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 240V LED, IP65	ND16-22BS/4C 240V GRN	828299
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 240V LED, IP65	ND16-22BS/4C 240V BLU	828296
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 240V LED, IP65	ND16-22BS/4C 240V YEL	828298
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 380V LED, IP65	ND16-22BS/4C 380V ORG	268755
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 380V LED, IP65	ND16-22BS/4C 380V WHT	828307
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 380V LED, IP65	ND16-22BS/4C 380V RED	828309
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 380V LED, IP65	ND16-22BS/4C 380V GRN	828311
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 380V LED, IP65	ND16-22BS/4C 380V BLU	828308
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 380V LED, IP65	ND16-22BS/4C 380V YEL	828310
22mm	Flat surface	Resistance and capacitance type, compact	Orange, AC 400V LED, IP65	ND16-22BS/4C 400V ORG	268807
22mm	Flat surface	Resistance and capacitance type, compact	White, AC 400V LED, IP65	ND16-22BS/4C 400V WHT	268806
22mm	Flat surface	Resistance and capacitance type, compact	Red, AC 400V LED, IP65	ND16-22BS/4C 400V RED	268802
22mm	Flat surface	Resistance and capacitance type, compact	Green, AC 400V LED, IP65	ND16-22BS/4C 400V GRN	268804
22mm	Flat surface	Resistance and capacitance type, compact	Blue, AC 400V LED, IP65	ND16-22BS/4C 400V BLU	268805
22mm	Flat surface	Resistance and capacitance type, compact	Yellow, AC 400V LED, IP65	ND16-22BS/4C 400V YEL	268803
22mm	Curved surface, with ripple	Resistance type	Orange, AC/DC 110V LED	ND16-22C/2 110V ORG	593442
22mm	Curved surface, with ripple	Resistance type	White, AC/DC 110V LED	ND16-22C/2 110V WHT	592816
22mm	Curved surface, with ripple	Resistance type	Red, AC/DC 110V LED	ND16-22C/2 110V RED	592818
22mm	Curved surface, with ripple	Resistance type	Green, AC/DC 110V LED	ND16-22C/2 110V GRN	592820
22mm	Curved surface, with ripple	Resistance type	Blue, AC/DC 110V LED	ND16-22C/2 110V BLU	592817
22mm	Curved surface, with ripple	Resistance type	Yellow, AC/DC 110V LED	ND16-22C/2 110V YEL	592819
22mm	Curved surface, with ripple	Resistance type	White, AC/DC 12V LED	ND16-22C/2 12V WHT	592801
22mm	Curved surface, with ripple	Resistance type	Red, AC/DC 12V LED	ND16-22C/2 12V RED	592803
22mm	Curved surface, with ripple	Resistance type	Green, AC/DC 12V LED	ND16-22C/2 12V GRN	592805
22mm	Curved surface, with ripple	Resistance type	Blue, AC/DC 12V LED	ND16-22C/2 12V BLU	592802
22mm	Curved surface, with ripple	Resistance type	Yellow, AC/DC 12V LED	ND16-22C/2 12V YEL	592804
22mm	Curved surface, with ripple	Resistance type	White, AC/DC 220V LED	ND16-22C/2 220V WHT	592821
22mm	Curved surface, with ripple	Resistance type	Red, AC/DC 220V LED	ND16-22C/2 220V RED	592823
22mm	Curved surface, with ripple	Resistance type	Green, AC/DC 220V LED	ND16-22C/2 220V GRN	592825
22mm	Curved surface, with ripple	Resistance type	Blue, AC/DC 220V LED	ND16-22C/2 220V BLU	592822
22mm	Curved surface, with ripple	Resistance type	Yellow, AC/DC 220V LED	ND16-22C/2 220V YEL	592824
22mm	Curved surface, with ripple	Resistance type	White, AC/DC 230V LED	ND16-22C/2 230V WHT	593446
22mm	Curved surface, with ripple	Resistance type	Red, AC/DC 230V LED	ND16-22C/2 230V RED	593443
22mm	Curved surface, with ripple	Resistance type	Green, AC/DC 230V LED	ND16-22C/2 230V GRN	593261
22mm	Curved surface, with ripple	Resistance type	Blue, AC/DC 230V LED	ND16-22C/2 230V BLU	593445
22mm	Curved surface, with ripple	Resistance type	Yellow, AC/DC 230V LED	ND16-22C/2 230V YEL	593444
22mm	Curved surface, with ripple	Resistance type	White, AC/DC 240V LED	ND16-22C/2 240V WHT	593908
22mm	Curved surface, with ripple	Resistance type	Red, AC/DC 240V LED	ND16-22C/2 240V RED	593727
22mm	Curved surface, with ripple	Resistance type	Green, AC/DC 240V LED	ND16-22C/2 240V GRN	593725
22mm	Curved surface, with ripple	Resistance type	Blue, AC/DC 240V LED	ND16-22C/2 240V BLU	593906
22mm	Curved surface, with ripple	Resistance type	Yellow, AC/DC 240V LED	ND16-22C/2 240V YEL	593907
22mm	Curved surface, with ripple	Resistance type	White, AC/DC 24V LED	ND16-22C/2 24V WHT	592806
22mm	Curved surface, with ripple	Resistance type	Red, AC/DC 24V LED	ND16-22C/2 24V RED	592808
22mm	Curved surface, with ripple	Resistance type	Green, AC/DC 24V LED	ND16-22C/2 24V GRN	592810

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface, with ripple	Resistance type	Blue, AC/DC 24V LED	ND16-22C/2 24V BLU	592807
22mm	Curved surface, with ripple	Resistance type	Yellow, AC/DC 24V LED	ND16-22C/2 24V YEL	592809
22mm	Curved surface, with ripple	Resistance type	White, AC/DC 380V LED	ND16-22C/2 380V WHT	592826
22mm	Curved surface, with ripple	Resistance type	Red, AC/DC 380V LED	ND16-22C/2 380V RED	592828
22mm	Curved surface, with ripple	Resistance type	Green, AC/DC 380V LED	ND16-22C/2 380V GRN	592830
22mm	Curved surface, with ripple	Resistance type	Blue, AC/DC 380V LED	ND16-22C/2 380V BLU	592827
22mm	Curved surface, with ripple	Resistance type	Yellow, AC/DC 380V LED	ND16-22C/2 380V YEL	592829
22mm	Curved surface, with ripple	Resistance type	White, AC/DC 48V LED	ND16-22C/2 48V WHT	592811
22mm	Curved surface, with ripple	Resistance type	Red, AC/DC 48V LED	ND16-22C/2 48V RED	592813
22mm	Curved surface, with ripple	Resistance type	Green, AC/DC 48V LED	ND16-22C/2 48V GRN	592815
22mm	Curved surface, with ripple	Resistance type	Blue, AC/DC 48V LED	ND16-22C/2 48V BLU	592812
22mm	Curved surface, with ripple	Resistance type	Yellow, AC/DC 48V LED	ND16-22C/2 48V YEL	592814
22mm	Curved surface, with ripple	Resistance type	White, AC/DC 6V LED	ND16-22C/2 6V WHT	592796
22mm	Curved surface, with ripple	Resistance type	Red, AC/DC 6V LED	ND16-22C/2 6V RED	592798
22mm	Curved surface, with ripple	Resistance type	Green, AC/DC 6V LED	ND16-22C/2 6V GRN	592800
22mm	Curved surface, with ripple	Resistance type	Blue, AC/DC 6V LED	ND16-22C/2 6V BLU	592797
22mm	Curved surface, with ripple	Resistance type	Yellow, AC/DC 6V LED	ND16-22C/2 6V YEL	592799
22mm	Curved surface, with ripple	Resistance and capacitance type	White, AC 110V LED	ND16-22C/4 110V WHT	592640
22mm	Curved surface, with ripple	Resistance and capacitance type	Red, AC 110V LED	ND16-22C/4 110V RED	592636
22mm	Curved surface, with ripple	Resistance and capacitance type	Green, AC 110V LED	ND16-22C/4 110V GRN	592638
22mm	Curved surface, with ripple	Resistance and capacitance type	Blue, AC 110V LED	ND16-22C/4 110V BLU	592639
22mm	Curved surface, with ripple	Resistance and capacitance type	Yellow, AC 110V LED	ND16-22C/4 110V YEL	592637
22mm	Curved surface, with ripple	Resistance and capacitance type	Orange, AC 220V LED	ND16-22C/4 220V ORG	593730
22mm	Curved surface, with ripple	Resistance and capacitance type	White, AC 220V LED	ND16-22C/4 220V WHT	592645
22mm	Curved surface, with ripple	Resistance and capacitance type	Red, AC 220V LED	ND16-22C/4 220V RED	592641
22mm	Curved surface, with ripple	Resistance and capacitance type	Green, AC 220V LED	ND16-22C/4 220V GRN	592643
22mm	Curved surface, with ripple	Resistance and capacitance type	Blue, AC 220V LED	ND16-22C/4 220V BLU	592644
22mm	Curved surface, with ripple	Resistance and capacitance type	Yellow, AC 220V LED	ND16-22C/4 220V YEL	592642
22mm	Curved surface, with ripple	Resistance and capacitance type	White, AC 230V LED	ND16-22C/4 230V WHT	593262
22mm	Curved surface, with ripple	Resistance and capacitance type	Red, AC 230V LED	ND16-22C/4 230V RED	593263
22mm	Curved surface, with ripple	Resistance and capacitance type	Green, AC 230V LED	ND16-22C/4 230V GRN	593266
22mm	Curved surface, with ripple	Resistance and capacitance type	Blue, AC 230V LED	ND16-22C/4 230V BLU	593265
22mm	Curved surface, with ripple	Resistance and capacitance type	Yellow, AC 230V LED	ND16-22C/4 230V YEL	593264
22mm	Curved surface, with ripple	Resistance and capacitance type	White, AC 380V LED	ND16-22C/4 380V WHT	592650
22mm	Curved surface, with ripple	Resistance and capacitance type	Red, AC 380V LED	ND16-22C/4 380V RED	592646
22mm	Curved surface, with ripple	Resistance and capacitance type	Green, AC 380V LED	ND16-22C/4 380V GRN	592648
22mm	Curved surface, with ripple	Resistance and capacitance type	Blue, AC 380V LED	ND16-22C/4 380V BLU	592649
22mm	Curved surface, with ripple	Resistance and capacitance type	Yellow, AC 380V LED	ND16-22C/4 380V YEL	592647
22mm	Curved surface, with ripple	Resistance type, compact	Orange, AC/DC 12V LED	ND16-22CS/2 12V ORG	593408
22mm	Curved surface, with ripple	Resistance type, compact	White, AC/DC 12V LED	ND16-22CS/2 12V WHT	592911
22mm	Curved surface, with ripple	Resistance type, compact	Red, AC/DC 12V LED	ND16-22CS/2 12V RED	592913
22mm	Curved surface, with ripple	Resistance type, compact	Green, AC/DC 12V LED	ND16-22CS/2 12V GRN	592915
22mm	Curved surface, with ripple	Resistance type, compact	Blue, AC/DC 12V LED	ND16-22CS/2 12V BLU	592912
22mm	Curved surface, with ripple	Resistance type, compact	Yellow, AC/DC 12V LED	ND16-22CS/2 12V YEL	592914

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface, with ripple	Resistance type, compact	White, AC/DC 24V LED	ND16-22CS/2 24V WHT	592916
22mm	Curved surface, with ripple	Resistance type, compact	Red, AC/DC 24V LED	ND16-22CS/2 24V RED	592918
22mm	Curved surface, with ripple	Resistance type, compact	Green, AC/DC 24V LED	ND16-22CS/2 24V GRN	592920
22mm	Curved surface, with ripple	Resistance type, compact	Blue, AC/DC 24V LED	ND16-22CS/2 24V BLU	592917
22mm	Curved surface, with ripple	Resistance type, compact	Yellow, AC/DC 24V LED	ND16-22CS/2 24V YEL	592919
22mm	Curved surface, with ripple	Resistance type, compact	Orange, AC/DC 36V LED	ND16-22CS/2 36V ORG	593411
22mm	Curved surface, with ripple	Resistance type, compact	Red, AC/DC 36V LED	ND16-22CS/2 36V RED	593409
22mm	Curved surface, with ripple	Resistance type, compact	Green, AC/DC 36V LED	ND16-22CS/2 36V GRN	593410
22mm	Curved surface, with ripple	Resistance type, compact	White, AC/DC 48V LED	ND16-22CS/2 48V WHT	592921
22mm	Curved surface, with ripple	Resistance type, compact	Red, AC/DC 48V LED	ND16-22CS/2 48V RED	592923
22mm	Curved surface, with ripple	Resistance type, compact	Green, AC/DC 48V LED	ND16-22CS/2 48V GRN	592925
22mm	Curved surface, with ripple	Resistance type, compact	Blue, AC/DC 48V LED	ND16-22CS/2 48V BLU	592922
22mm	Curved surface, with ripple	Resistance type, compact	Yellow, AC/DC 48V LED	ND16-22CS/2 48V YEL	592924
22mm	Curved surface, with ripple	Resistance type, compact	White, AC/DC 6V LED	ND16-22CS/2 6V WHT	592906
22mm	Curved surface, with ripple	Resistance type, compact	Red, AC/DC 6V LED	ND16-22CS/2 6V RED	592908
22mm	Curved surface, with ripple	Resistance type, compact	Green, AC/DC 6V LED	ND16-22CS/2 6V GRN	592910
22mm	Curved surface, with ripple	Resistance type, compact	Blue, AC/DC 6V LED	ND16-22CS/2 6V BLU	592907
22mm	Curved surface, with ripple	Resistance type, compact	Yellow, AC/DC 6V LED	ND16-22CS/2 6V YEL	592909
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	White, AC 110V LED	ND16-22CS/4 110V WHT	592696
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Red, AC 110V LED	ND16-22CS/4 110V RED	592698
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Green, AC 110V LED	ND16-22CS/4 110V GRN	592700
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Blue, AC 110V LED	ND16-22CS/4 110V BLU	592697
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Yellow, AC 110V LED	ND16-22CS/4 110V YEL	592699
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	White, AC 220V LED	ND16-22CS/4 220V WHT	592701
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Red, AC 220V LED	ND16-22CS/4 220V RED	592703
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Green, AC 220V LED	ND16-22CS/4 220V GRN	592705
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Blue, AC 220V LED	ND16-22CS/4 220V BLU	592702
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Yellow, AC 220V LED	ND16-22CS/4 220V YEL	592704
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	White, AC 230V LED	ND16-22CS/4 230V WHT	828378
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Red, AC 230V LED	ND16-22CS/4 230V RED	593420
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Green, AC 230V LED	ND16-22CS/4 230V GRN	593421
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Blue, AC 230V LED	ND16-22CS/4 230V BLU	593912
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Yellow, AC 230V LED	ND16-22CS/4 230V YEL	593422
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Red, AC 240V LED	ND16-22CS/4 240V RED	593423
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Green, AC 240V LED	ND16-22CS/4 240V GRN	593424
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Blue, AC 240V LED	ND16-22CS/4 240V BLU	113416
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Yellow, AC 240V LED	ND16-22CS/4 240V YEL	593425
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	White, AC 380V LED	ND16-22CS/4 380V WHT	592706
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Red, AC 380V LED	ND16-22CS/4 380V RED	592708
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Green, AC 380V LED	ND16-22CS/4 380V GRN	592710
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Blue, AC 380V LED	ND16-22CS/4 380V BLU	592707
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Yellow, AC 380V LED	ND16-22CS/4 380V YEL	592709
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Red, AC 400V LED	ND16-22CS/4 400V RED	593728
22mm	Curved surface, with ripple	Resistance and capacitance type, compact	Green, AC 400V LED	ND16-22CS/4 400V GRN	593729

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance type	Orange, AC/DC 110V LED	ND16-22D/2 110V ORG	267976
22mm	Curved surface	Resistance type	White, AC/DC 110V LED	ND16-22D/2 110V WHT	592851
22mm	Curved surface	Resistance type	Red, AC/DC 110V LED	ND16-22D/2 110V RED	592853
22mm	Curved surface	Resistance type	Green, AC/DC 110V LED	ND16-22D/2 110V GRN	592855
22mm	Curved surface	Resistance type	Blue, AC/DC 110V LED	ND16-22D/2 110V BLU	592852
22mm	Curved surface	Resistance type	Yellow, AC/DC 110V LED	ND16-22D/2 110V YEL	592854
22mm	Curved surface	Resistance type	Orange, AC/DC 12V LED	ND16-22D/2 12V ORG	267916
22mm	Curved surface	Resistance type	White, AC/DC 12V LED	ND16-22D/2 12V WHT	592836
22mm	Curved surface	Resistance type	Red, AC/DC 12V LED	ND16-22D/2 12V RED	592838
22mm	Curved surface	Resistance type	Green, AC/DC 12V LED	ND16-22D/2 12V GRN	592840
22mm	Curved surface	Resistance type	Blue, AC/DC 12V LED	ND16-22D/2 12V BLU	592837
22mm	Curved surface	Resistance type	Yellow, AC/DC 12V LED	ND16-22D/2 12V YEL	592839
22mm	Curved surface	Resistance type	Orange, AC/DC 220V LED	ND16-22D/2 220V ORG	268636
22mm	Curved surface	Resistance type	White, AC/DC 220V LED	ND16-22D/2 220V WHT	592856
22mm	Curved surface	Resistance type	Red, AC/DC 220V LED	ND16-22D/2 220V RED	592858
22mm	Curved surface	Resistance type	Green, AC/DC 220V LED	ND16-22D/2 220V GRN	592860
22mm	Curved surface	Resistance type	Blue, AC/DC 220V LED	ND16-22D/2 220V BLU	592857
22mm	Curved surface	Resistance type	Yellow, AC/DC 220V LED	ND16-22D/2 220V YEL	592859
22mm	Curved surface	Resistance type	Orange, AC/DC 230V LED	ND16-22D/2 230V ORG	268661
22mm	Curved surface	Resistance type	White, AC/DC 230V LED	ND16-22D/2 230V WHT	593073
22mm	Curved surface	Resistance type	Red, AC/DC 230V LED	ND16-22D/2 230V RED	593075
22mm	Curved surface	Resistance type	Green, AC/DC 230V LED	ND16-22D/2 230V GRN	593077
22mm	Curved surface	Resistance type	Blue, AC/DC 230V LED	ND16-22D/2 230V BLU	593074
22mm	Curved surface	Resistance type	Yellow, AC/DC 230V LED	ND16-22D/2 230V YEL	593076
22mm	Curved surface	Resistance type	Orange, AC/DC 240V LED	ND16-22D/2 240V ORG	593273
22mm	Curved surface	Resistance type	White, AC/DC 240V LED	ND16-22D/2 240V WHT	268704
22mm	Curved surface	Resistance type	Red, AC/DC 240V LED	ND16-22D/2 240V RED	828383
22mm	Curved surface	Resistance type	Green, AC/DC 240V LED	ND16-22D/2 240V GRN	268702
22mm	Curved surface	Resistance type	Blue, AC/DC 240V LED	ND16-22D/2 240V BLU	268703
22mm	Curved surface	Resistance type	Yellow, AC/DC 240V LED	ND16-22D/2 240V YEL	268701
22mm	Curved surface	Resistance type	Orange, AC/DC 24V LED	ND16-22D/2 24V ORG	267925
22mm	Curved surface	Resistance type	White, AC/DC 24V LED	ND16-22D/2 24V WHT	592841
22mm	Curved surface	Resistance type	Red, AC/DC 24V LED	ND16-22D/2 24V RED	592843
22mm	Curved surface	Resistance type	Green, AC/DC 24V LED	ND16-22D/2 24V GRN	592845
22mm	Curved surface	Resistance type	Blue, AC/DC 24V LED	ND16-22D/2 24V BLU	592842
22mm	Curved surface	Resistance type	Yellow, AC/DC 24V LED	ND16-22D/2 24V YEL	592844
22mm	Curved surface	Resistance type	Orange, AC/DC 36V LED	ND16-22D/2 36V ORG	267939
22mm	Curved surface	Resistance type	White, AC/DC 36V LED	ND16-22D/2 36V WHT	267938
22mm	Curved surface	Resistance type	Red, AC/DC 36V LED	ND16-22D/2 36V RED	267934
22mm	Curved surface	Resistance type	Green, AC/DC 36V LED	ND16-22D/2 36V GRN	267936
22mm	Curved surface	Resistance type	Blue, AC/DC 36V LED	ND16-22D/2 36V BLU	267937
22mm	Curved surface	Resistance type	Yellow, AC/DC 36V LED	ND16-22D/2 36V YEL	267935
22mm	Curved surface	Resistance type	Orange, AC/DC 380V LED	ND16-22D/2 380V ORG	268746
22mm	Curved surface	Resistance type	White, AC/DC 380V LED	ND16-22D/2 380V WHT	592861

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance type	Red, AC/DC 380V LED	ND16-22D/2 380V RED	592863
22mm	Curved surface	Resistance type	Green, AC/DC 380V LED	ND16-22D/2 380V GRN	592865
22mm	Curved surface	Resistance type	Blue, AC/DC 380V LED	ND16-22D/2 380V BLU	592862
22mm	Curved surface	Resistance type	Yellow, AC/DC 380V LED	ND16-22D/2 380V YEL	592864
22mm	Curved surface	Resistance type	Orange, AC/DC 400V LED	ND16-22D/2 400V ORG	268788
22mm	Curved surface	Resistance type	White, AC/DC 400V LED	ND16-22D/2 400V WHT	593448
22mm	Curved surface	Resistance type	Red, AC/DC 400V LED	ND16-22D/2 400V RED	593447
22mm	Curved surface	Resistance type	Green, AC/DC 400V LED	ND16-22D/2 400V GRN	593449
22mm	Curved surface	Resistance type	Blue, AC/DC 400V LED	ND16-22D/2 400V BLU	593451
22mm	Curved surface	Resistance type	Yellow, AC/DC 400V LED	ND16-22D/2 400V YEL	593450
22mm	Curved surface	Resistance type	Orange, AC/DC 48V LED	ND16-22D/2 48V ORG	267963
22mm	Curved surface	Resistance type	White, AC/DC 48V LED	ND16-22D/2 48V WHT	592846
22mm	Curved surface	Resistance type	Red, AC/DC 48V LED	ND16-22D/2 48V RED	592848
22mm	Curved surface	Resistance type	Green, AC/DC 48V LED	ND16-22D/2 48V GRN	592850
22mm	Curved surface	Resistance type	Blue, AC/DC 48V LED	ND16-22D/2 48V BLU	592847
22mm	Curved surface	Resistance type	Yellow, AC/DC 48V LED	ND16-22D/2 48V YEL	592849
22mm	Curved surface	Resistance type	Orange, AC/DC 6V LED	ND16-22D/2 6V ORG	267905
22mm	Curved surface	Resistance type	White, AC/DC 6V LED	ND16-22D/2 6V WHT	592831
22mm	Curved surface	Resistance type	Red, AC/DC 6V LED	ND16-22D/2 6V RED	592833
22mm	Curved surface	Resistance type	Green, AC/DC 6V LED	ND16-22D/2 6V GRN	592835
22mm	Curved surface	Resistance type	Blue, AC/DC 6V LED	ND16-22D/2 6V BLU	592832
22mm	Curved surface	Resistance type	Yellow, AC/DC 6V LED	ND16-22D/2 6V YEL	592834
22mm	Curved surface	Resistance type	Orange, AC/DC 110V LED, IP65	ND16-22D/2C 110V ORG	267977
22mm	Curved surface	Resistance type	White, AC/DC 110V LED, IP65	ND16-22D/2C 110V WHT	593971
22mm	Curved surface	Resistance type	Red, AC/DC 110V LED, IP65	ND16-22D/2C 110V RED	593973
22mm	Curved surface	Resistance type	Green, AC/DC 110V LED, IP65	ND16-22D/2C 110V GRN	828001
22mm	Curved surface	Resistance type	Blue, AC/DC 110V LED, IP65	ND16-22D/2C 110V BLU	593972
22mm	Curved surface	Resistance type	Yellow, AC/DC 110V LED, IP65	ND16-22D/2C 110V YEL	828000
22mm	Curved surface	Resistance type	Orange, AC/DC 12V LED, IP65	ND16-22D/2C 12V ORG	267917
22mm	Curved surface	Resistance type	White, AC/DC 12V LED, IP65	ND16-22D/2C 12V WHT	593941
22mm	Curved surface	Resistance type	Red, AC/DC 12V LED, IP65	ND16-22D/2C 12V RED	593943
22mm	Curved surface	Resistance type	Green, AC/DC 12V LED, IP65	ND16-22D/2C 12V GRN	593945
22mm	Curved surface	Resistance type	Blue, AC/DC 12V LED, IP65	ND16-22D/2C 12V BLU	593942
22mm	Curved surface	Resistance type	Yellow, AC/DC 12V LED, IP65	ND16-22D/2C 12V YEL	593944
22mm	Curved surface	Resistance type	Orange, AC/DC 220V LED, IP65	ND16-22D/2C 220V ORG	268637
22mm	Curved surface	Resistance type	White, AC/DC 220V LED, IP65	ND16-22D/2C 220V WHT	828007
22mm	Curved surface	Resistance type	Red, AC/DC 220V LED, IP65	ND16-22D/2C 220V RED	828009
22mm	Curved surface	Resistance type	Green, AC/DC 220V LED, IP65	ND16-22D/2C 220V GRN	828011
22mm	Curved surface	Resistance type	Blue, AC/DC 220V LED, IP65	ND16-22D/2C 220V BLU	828008
22mm	Curved surface	Resistance type	Yellow, AC/DC 220V LED, IP65	ND16-22D/2C 220V YEL	828010
22mm	Curved surface	Resistance type	Orange, AC/DC 230V LED, IP65	ND16-22D/2C 230V ORG	268662
22mm	Curved surface	Resistance type	White, AC/DC 230V LED, IP65	ND16-22D/2C 230V WHT	828017
22mm	Curved surface	Resistance type	Red, AC/DC 230V LED, IP65	ND16-22D/2C 230V RED	828019
22mm	Curved surface	Resistance type	Green, AC/DC 230V LED, IP65	ND16-22D/2C 230V GRN	828021

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance type	Blue, AC/DC 230V LED, IP65	ND16-22D/2C 230V BLU	828018
22mm	Curved surface	Resistance type	Yellow, AC/DC 230V LED, IP65	ND16-22D/2C 230V YEL	828020
22mm	Curved surface	Resistance type	Orange, AC/DC 240V LED, IP65	ND16-22D/2C 240V ORG	828027
22mm	Curved surface	Resistance type	White, AC/DC 240V LED, IP65	ND16-22D/2C 240V WHT	268709
22mm	Curved surface	Resistance type	Red, AC/DC 240V LED, IP65	ND16-22D/2C 240V RED	268705
22mm	Curved surface	Resistance type	Green, AC/DC 240V LED, IP65	ND16-22D/2C 240V GRN	268707
22mm	Curved surface	Resistance type	Blue, AC/DC 240V LED, IP65	ND16-22D/2C 240V BLU	268708
22mm	Curved surface	Resistance type	Yellow, AC/DC 240V LED, IP65	ND16-22D/2C 240V YEL	268706
22mm	Curved surface	Resistance type	White, AC/DC 24V LED, IP65	ND16-22D/2C 24V WHT	593951
22mm	Curved surface	Resistance type	Red, AC/DC 24V LED, IP65	ND16-22D/2C 24V RED	593953
22mm	Curved surface	Resistance type	Green, AC/DC 24V LED, IP65	ND16-22D/2C 24V GRN	593955
22mm	Curved surface	Resistance type	Blue, AC/DC 24V LED, IP65	ND16-22D/2C 24V BLU	593952
22mm	Curved surface	Resistance type	Yellow, AC/DC 24V LED, IP65	ND16-22D/2C 24V YEL	593954
22mm	Curved surface	Resistance type	Orange, AC/DC 36V LED, IP65	ND16-22D/2C 36V ORG	267945
22mm	Curved surface	Resistance type	White, AC/DC 36V LED, IP65	ND16-22D/2C 36V WHT	267944
22mm	Curved surface	Resistance type	Red, AC/DC 36V LED, IP65	ND16-22D/2C 36V RED	267940
22mm	Curved surface	Resistance type	Green, AC/DC 36V LED, IP65	ND16-22D/2C 36V GRN	267942
22mm	Curved surface	Resistance type	Blue, AC/DC 36V LED, IP65	ND16-22D/2C 36V BLU	267943
22mm	Curved surface	Resistance type	Yellow, AC/DC 36V LED, IP65	ND16-22D/2C 36V YEL	267941
22mm	Curved surface	Resistance type	Orange, AC/DC 380V LED, IP65	ND16-22D/2C 380V ORG	268747
22mm	Curved surface	Resistance type	White, AC/DC 380V LED, IP65	ND16-22D/2C 380V WHT	828029
22mm	Curved surface	Resistance type	Red, AC/DC 380V LED, IP65	ND16-22D/2C 380V RED	828031
22mm	Curved surface	Resistance type	Green, AC/DC 380V LED, IP65	ND16-22D/2C 380V GRN	828033
22mm	Curved surface	Resistance type	Blue, AC/DC 380V LED, IP65	ND16-22D/2C 380V BLU	828030
22mm	Curved surface	Resistance type	Yellow, AC/DC 380V LED, IP65	ND16-22D/2C 380V YEL	828032
22mm	Curved surface	Resistance type	Orange, AC/DC 400V LED, IP65	ND16-22D/2C 400V ORG	268789
22mm	Curved surface	Resistance type	White, AC/DC 400V LED, IP65	ND16-22D/2C 400V WHT	828039
22mm	Curved surface	Resistance type	Red, AC/DC 400V LED, IP65	ND16-22D/2C 400V RED	828041
22mm	Curved surface	Resistance type	Green, AC/DC 400V LED, IP65	ND16-22D/2C 400V GRN	828043
22mm	Curved surface	Resistance type	Blue, AC/DC 400V LED, IP65	ND16-22D/2C 400V BLU	828040
22mm	Curved surface	Resistance type	Yellow, AC/DC 400V LED, IP65	ND16-22D/2C 400V YEL	828042
22mm	Curved surface	Resistance type	Orange, AC/DC 48V LED, IP65	ND16-22D/2C 48V ORG	267964
22mm	Curved surface	Resistance type	White, AC/DC 48V LED, IP65	ND16-22D/2C 48V WHT	593961
22mm	Curved surface	Resistance type	Red, AC/DC 48V LED, IP65	ND16-22D/2C 48V RED	593963
22mm	Curved surface	Resistance type	Green, AC/DC 48V LED, IP65	ND16-22D/2C 48V GRN	593965
22mm	Curved surface	Resistance type	Blue, AC/DC 48V LED, IP65	ND16-22D/2C 48V BLU	593962
22mm	Curved surface	Resistance type	Yellow, AC/DC 48V LED, IP65	ND16-22D/2C 48V YEL	593964
22mm	Curved surface	Resistance type	Orange, AC/DC 6V LED, IP65	ND16-22D/2C 6V ORG	267906
22mm	Curved surface	Resistance type	White, AC/DC 6V LED, IP65	ND16-22D/2C 6V WHT	593931
22mm	Curved surface	Resistance type	Red, AC/DC 6V LED, IP65	ND16-22D/2C 6V RED	593933
22mm	Curved surface	Resistance type	Green, AC/DC 6V LED, IP65	ND16-22D/2C 6V GRN	593935
22mm	Curved surface	Resistance type	Blue, AC/DC 6V LED, IP65	ND16-22D/2C 6V BLU	593932
22mm	Curved surface	Resistance type	Yellow, AC/DC 6V LED, IP65	ND16-22D/2C 6V YEL	593934
22mm	Curved surface	Resistance type	Orange, AC/DC 110V LED, anti-interference	ND16-22D/2K2 110V ORG	267998

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance type	White, AC/DC 110V LED, anti-interference	ND16-22D/2K2 110V WHT	267997
22mm	Curved surface	Resistance type	Red, AC/DC 110V LED, anti-interference	ND16-22D/2K2 110V RED	267993
22mm	Curved surface	Resistance type	Green, AC/DC 110V LED, anti-interference	ND16-22D/2K2 110V GRN	267995
22mm	Curved surface	Resistance type	Blue, AC/DC 110V LED, anti-interference	ND16-22D/2K2 110V BLU	267996
22mm	Curved surface	Resistance type	Yellow, AC/DC 110V LED, anti-interference	ND16-22D/2K2 110V YEL	267994
22mm	Curved surface	Resistance type	Orange, AC/DC 220V LED, anti-interference	ND16-22D/2K2 220V ORG	268652
22mm	Curved surface	Resistance type	White, AC/DC 220V LED, anti-interference	ND16-22D/2K2 220V WHT	593274
22mm	Curved surface	Resistance type	Red, AC/DC 220V LED, anti-interference	ND16-22D/2K2 220V RED	828377
22mm	Curved surface	Resistance type	Green, AC/DC 220V LED, anti-interference	ND16-22D/2K2 220V GRN	593278
22mm	Curved surface	Resistance type	Blue, AC/DC 220V LED, anti-interference	ND16-22D/2K2 220V BLU	593277
22mm	Curved surface	Resistance type	Yellow, AC/DC 220V LED, anti-interference	ND16-22D/2K2 220V YEL	593276
22mm	Curved surface	Resistance type	Orange, AC/DC 230V LED, anti-interference	ND16-22D/2K2 230V ORG	268692
22mm	Curved surface	Resistance type	White, AC/DC 230V LED, anti-interference	ND16-22D/2K2 230V WHT	268691
22mm	Curved surface	Resistance type	Red, AC/DC 230V LED, anti-interference	ND16-22D/2K2 230V RED	268687
22mm	Curved surface	Resistance type	Green, AC/DC 230V LED, anti-interference	ND16-22D/2K2 230V GRN	268689
22mm	Curved surface	Resistance type	Blue, AC/DC 230V LED, anti-interference	ND16-22D/2K2 230V BLU	268690
22mm	Curved surface	Resistance type	Yellow, AC/DC 230V LED, anti-interference	ND16-22D/2K2 230V YEL	268688
22mm	Curved surface	Resistance type	Orange, AC/DC 240V LED, anti-interference	ND16-22D/2K2 240V ORG	268736
22mm	Curved surface	Resistance type	White, AC/DC 240V LED, anti-interference	ND16-22D/2K2 240V WHT	268735
22mm	Curved surface	Resistance type	Red, AC/DC 240V LED, anti-interference	ND16-22D/2K2 240V RED	268731
22mm	Curved surface	Resistance type	Green, AC/DC 240V LED, anti-interference	ND16-22D/2K2 240V GRN	268733
22mm	Curved surface	Resistance type	Blue, AC/DC 240V LED, anti-interference	ND16-22D/2K2 240V BLU	268734
22mm	Curved surface	Resistance type	Yellow, AC/DC 240V LED, anti-interference	ND16-22D/2K2 240V YEL	268732
22mm	Curved surface	Resistance type	Orange, AC/DC 380V LED, anti-interference	ND16-22D/2K2 380V ORG	268774
22mm	Curved surface	Resistance type	White, AC/DC 380V LED, anti-interference	ND16-22D/2K2 380V WHT	268773
22mm	Curved surface	Resistance type	Red, AC/DC 380V LED, anti-interference	ND16-22D/2K2 380V RED	268769
22mm	Curved surface	Resistance type	Green, AC/DC 380V LED, anti-interference	ND16-22D/2K2 380V GRN	268771
22mm	Curved surface	Resistance type	Blue, AC/DC 380V LED, anti-interference	ND16-22D/2K2 380V BLU	268772
22mm	Curved surface	Resistance type	Yellow, AC/DC 380V LED, anti-interference	ND16-22D/2K2 380V YEL	268770
22mm	Curved surface	Resistance type	Orange, AC/DC 400V LED, anti-interference	ND16-22D/2K2 400V ORG	268837
22mm	Curved surface	Resistance type	White, AC/DC 400V LED, anti-interference	ND16-22D/2K2 400V WHT	268836
22mm	Curved surface	Resistance type	Red, AC/DC 400V LED, anti-interference	ND16-22D/2K2 400V RED	268832
22mm	Curved surface	Resistance type	Green, AC/DC 400V LED, anti-interference	ND16-22D/2K2 400V GRN	268834
22mm	Curved surface	Resistance type	Blue, AC/DC 400V LED, anti-interference	ND16-22D/2K2 400V BLU	268835
22mm	Curved surface	Resistance type	Yellow, AC/DC 400V LED, anti-interference	ND16-22D/2K2 400V YEL	268833
22mm	Curved surface	Resistance and capacitance type	Orange, AC 110V LED	ND16-22D/4 110V ORG	267974
22mm	Curved surface	Resistance and capacitance type	White, AC 110V LED	ND16-22D/4 110V WHT	592651
22mm	Curved surface	Resistance and capacitance type	Red, AC 110V LED	ND16-22D/4 110V RED	592655
22mm	Curved surface	Resistance and capacitance type	Green, AC 110V LED	ND16-22D/4 110V GRN	592653
22mm	Curved surface	Resistance and capacitance type	Blue, AC 110V LED	ND16-22D/4 110V BLU	592652
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 110V LED	ND16-22D/4 110V YEL	592654
22mm	Curved surface	Resistance and capacitance type	Orange, AC 220V LED	ND16-22D/4 220V ORG	268634
22mm	Curved surface	Resistance and capacitance type	White, AC 220V LED	ND16-22D/4 220V WHT	592656
22mm	Curved surface	Resistance and capacitance type	Red, AC 220V LED	ND16-22D/4 220V RED	592659

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance and capacitance type	Green, AC 220V LED	ND16-22D/4 220V GRN	592658
22mm	Curved surface	Resistance and capacitance type	Blue, AC 220V LED	ND16-22D/4 220V BLU	592657
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 220V LED	ND16-22D/4 220V YEL	592660
22mm	Curved surface	Resistance and capacitance type	Orange, AC 230V LED	ND16-22D/4 230V ORG	104751
22mm	Curved surface	Resistance and capacitance type	White, AC 230V LED	ND16-22D/4 230V WHT	593279
22mm	Curved surface	Resistance and capacitance type	Red, AC 230V LED	ND16-22D/4 230V RED	593463
22mm	Curved surface	Resistance and capacitance type	Green, AC 230V LED	ND16-22D/4 230V GRN	593464
22mm	Curved surface	Resistance and capacitance type	Blue, AC 230V LED	ND16-22D/4 230V BLU	593465
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 230V LED	ND16-22D/4 230V YEL	593280
22mm	Curved surface	Resistance and capacitance type	Orange, AC 240V LED	ND16-22D/4 240V ORG	593288
22mm	Curved surface	Resistance and capacitance type	White, AC 240V LED	ND16-22D/4 240V WHT	593726
22mm	Curved surface	Resistance and capacitance type	Red, AC 240V LED	ND16-22D/4 240V RED	593335
22mm	Curved surface	Resistance and capacitance type	Green, AC 240V LED	ND16-22D/4 240V GRN	593334
22mm	Curved surface	Resistance and capacitance type	Blue, AC 240V LED	ND16-22D/4 240V BLU	593289
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 240V LED	ND16-22D/4 240V YEL	268699
22mm	Curved surface	Resistance and capacitance type	Orange, AC 380V LED	ND16-22D/4 380V ORG	268744
22mm	Curved surface	Resistance and capacitance type	White, AC 380V LED	ND16-22D/4 380V WHT	592661
22mm	Curved surface	Resistance and capacitance type	Red, AC 380V LED	ND16-22D/4 380V RED	592664
22mm	Curved surface	Resistance and capacitance type	Green, AC 380V LED	ND16-22D/4 380V GRN	592663
22mm	Curved surface	Resistance and capacitance type	Blue, AC 380V LED	ND16-22D/4 380V BLU	592662
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 380V LED	ND16-22D/4 380V YEL	592665
22mm	Curved surface	Resistance and capacitance type	White, AC 400V LED	ND16-22D/4 400V WHT	828381
22mm	Curved surface	Resistance and capacitance type	Red, AC 400V LED	ND16-22D/4 400V RED	828375
22mm	Curved surface	Resistance and capacitance type	Green, AC 400V LED	ND16-22D/4 400V GRN	828379
22mm	Curved surface	Resistance and capacitance type	Blue, AC 400V LED	ND16-22D/4 400V BLU	828380
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 400V LED	ND16-22D/4 400V YEL	828376
22mm	Curved surface	Resistance and capacitance type	Orange, AC 110V LED, IP65	ND16-22D/4C 110V ORG	267975
22mm	Curved surface	Resistance and capacitance type	White, AC 110V LED, IP65	ND16-22D/4C 110V WHT	828045
22mm	Curved surface	Resistance and capacitance type	Red, AC 110V LED, IP65	ND16-22D/4C 110V RED	828047
22mm	Curved surface	Resistance and capacitance type	Green, AC 110V LED, IP65	ND16-22D/4C 110V GRN	828049
22mm	Curved surface	Resistance and capacitance type	Blue, AC 110V LED, IP65	ND16-22D/4C 110V BLU	828046
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 110V LED, IP65	ND16-22D/4C 110V YEL	828048
22mm	Curved surface	Resistance and capacitance type	Orange, AC 220V LED, IP65	ND16-22D/4C 220V ORG	268635
22mm	Curved surface	Resistance and capacitance type	White, AC 220V LED, IP65	ND16-22D/4C 220V WHT	828055
22mm	Curved surface	Resistance and capacitance type	Red, AC 220V LED, IP65	ND16-22D/4C 220V RED	828057
22mm	Curved surface	Resistance and capacitance type	Green, AC 220V LED, IP65	ND16-22D/4C 220V GRN	828059
22mm	Curved surface	Resistance and capacitance type	Blue, AC 220V LED, IP65	ND16-22D/4C 220V BLU	828056
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 220V LED, IP65	ND16-22D/4C 220V YEL	828058
22mm	Curved surface	Resistance and capacitance type	Orange, AC 230V LED, IP65	ND16-22D/4C 230V ORG	268660
22mm	Curved surface	Resistance and capacitance type	White, AC 230V LED, IP65	ND16-22D/4C 230V WHT	828065
22mm	Curved surface	Resistance and capacitance type	Red, AC 230V LED, IP65	ND16-22D/4C 230V RED	828067
22mm	Curved surface	Resistance and capacitance type	Green, AC 230V LED, IP65	ND16-22D/4C 230V GRN	828069
22mm	Curved surface	Resistance and capacitance type	Blue, AC 230V LED, IP65	ND16-22D/4C 230V BLU	828066
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 230V LED, IP65	ND16-22D/4C 230V YEL	828068

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance and capacitance type	Orange, AC 240V LED, IP65	ND16-22D/4C 240V ORG	828073
22mm	Curved surface	Resistance and capacitance type	White, AC 240V LED, IP65	ND16-22D/4C 240V WHT	828077
22mm	Curved surface	Resistance and capacitance type	Red, AC 240V LED, IP65	ND16-22D/4C 240V RED	828076
22mm	Curved surface	Resistance and capacitance type	Green, AC 240V LED, IP65	ND16-22D/4C 240V GRN	828075
22mm	Curved surface	Resistance and capacitance type	Blue, AC 240V LED, IP65	ND16-22D/4C 240V BLU	828074
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 240V LED, IP65	ND16-22D/4C 240V YEL	268700
22mm	Curved surface	Resistance and capacitance type	Orange, AC 380V LED, IP65	ND16-22D/4C 380V ORG	268745
22mm	Curved surface	Resistance and capacitance type	White, AC 380V LED, IP65	ND16-22D/4C 380V WHT	828080
22mm	Curved surface	Resistance and capacitance type	Red, AC 380V LED, IP65	ND16-22D/4C 380V RED	828082
22mm	Curved surface	Resistance and capacitance type	Green, AC 380V LED, IP65	ND16-22D/4C 380V GRN	828084
22mm	Curved surface	Resistance and capacitance type	Blue, AC 380V LED, IP65	ND16-22D/4C 380V BLU	828081
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 380V LED, IP65	ND16-22D/4C 380V YEL	828083
22mm	Curved surface	Resistance and capacitance type	Orange, AC 400V LED, IP65	ND16-22D/4C 400V ORG	268787
22mm	Curved surface	Resistance and capacitance type	White, AC 400V LED, IP65	ND16-22D/4C 400V WHT	268786
22mm	Curved surface	Resistance and capacitance type	Red, AC 400V LED, IP65	ND16-22D/4C 400V RED	268782
22mm	Curved surface	Resistance and capacitance type	Green, AC 400V LED, IP65	ND16-22D/4C 400V GRN	268784
22mm	Curved surface	Resistance and capacitance type	Blue, AC 400V LED, IP65	ND16-22D/4C 400V BLU	268785
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 400V LED, IP65	ND16-22D/4C 400V YEL	268783
22mm	Curved surface	Resistance and capacitance type	Orange, AC 110V LED, anti-interference	ND16-22D/4K2 110V ORG	268633
22mm	Curved surface	Resistance and capacitance type	White, AC 110V LED, anti-interference	ND16-22D/4K2 110V WHT	268632
22mm	Curved surface	Resistance and capacitance type	Red, AC 110V LED, anti-interference	ND16-22D/4K2 110V RED	267999
22mm	Curved surface	Resistance and capacitance type	Green, AC 110V LED, anti-interference	ND16-22D/4K2 110V GRN	268630
22mm	Curved surface	Resistance and capacitance type	Blue, AC 110V LED, anti-interference	ND16-22D/4K2 110V BLU	268631
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 110V LED, anti-interference	ND16-22D/4K2 110V YEL	268629
22mm	Curved surface	Resistance and capacitance type	Orange, AC 220V LED, anti-interference	ND16-22D/4K2 220V ORG	268653
22mm	Curved surface	Resistance and capacitance type	White, AC 220V LED, anti-interference	ND16-22D/4K2 220V WHT	146696
22mm	Curved surface	Resistance and capacitance type	Red, AC 220V LED, anti-interference	ND16-22D/4K2 220V RED	146692
22mm	Curved surface	Resistance and capacitance type	Green, AC 220V LED, anti-interference	ND16-22D/4K2 220V GRN	146694
22mm	Curved surface	Resistance and capacitance type	Blue, AC 220V LED, anti-interference	ND16-22D/4K2 220V BLU	146695
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 220V LED, anti-interference	ND16-22D/4K2 220V YEL	146693
22mm	Curved surface	Resistance and capacitance type	Orange, AC 230V LED, anti-interference	ND16-22D/4K2 230V ORG	268698
22mm	Curved surface	Resistance and capacitance type	White, AC 230V LED, anti-interference	ND16-22D/4K2 230V WHT	268697
22mm	Curved surface	Resistance and capacitance type	Red, AC 230V LED, anti-interference	ND16-22D/4K2 230V RED	268693
22mm	Curved surface	Resistance and capacitance type	Green, AC 230V LED, anti-interference	ND16-22D/4K2 230V GRN	268695
22mm	Curved surface	Resistance and capacitance type	Blue, AC 230V LED, anti-interference	ND16-22D/4K2 230V BLU	268696
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 230V LED, anti-interference	ND16-22D/4K2 230V YEL	268694
22mm	Curved surface	Resistance and capacitance type	Orange, AC 240V LED, anti-interference	ND16-22D/4K2 240V ORG	268742
22mm	Curved surface	Resistance and capacitance type	White, AC 240V LED, anti-interference	ND16-22D/4K2 240V WHT	268741
22mm	Curved surface	Resistance and capacitance type	Red, AC 240V LED, anti-interference	ND16-22D/4K2 240V RED	268737
22mm	Curved surface	Resistance and capacitance type	Green, AC 240V LED, anti-interference	ND16-22D/4K2 240V GRN	268739
22mm	Curved surface	Resistance and capacitance type	Blue, AC 240V LED, anti-interference	ND16-22D/4K2 240V BLU	268740
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 240V LED, anti-interference	ND16-22D/4K2 240V YEL	268738
22mm	Curved surface	Resistance and capacitance type	Orange, AC 380V LED, anti-interference	ND16-22D/4K2 380V ORG	268780
22mm	Curved surface	Resistance and capacitance type	White, AC 380V LED, anti-interference	ND16-22D/4K2 380V WHT	268779

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance and capacitance type	Red, AC 380V LED, anti-interference	ND16-22D/4K2 380V RED	268775
22mm	Curved surface	Resistance and capacitance type	Green, AC 380V LED, anti-interference	ND16-22D/4K2 380V GRN	268777
22mm	Curved surface	Resistance and capacitance type	Blue, AC 380V LED, anti-interference	ND16-22D/4K2 380V BLU	268778
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 380V LED, anti-interference	ND16-22D/4K2 380V YEL	268776
22mm	Curved surface	Resistance and capacitance type	Orange, AC 400V LED, anti-interference	ND16-22D/4K2 400V ORG	268843
22mm	Curved surface	Resistance and capacitance type	White, AC 400V LED, anti-interference	ND16-22D/4K2 400V WHT	268842
22mm	Curved surface	Resistance and capacitance type	Red, AC 400V LED, anti-interference	ND16-22D/4K2 400V RED	268838
22mm	Curved surface	Resistance and capacitance type	Green, AC 400V LED, anti-interference	ND16-22D/4K2 400V GRN	268840
22mm	Curved surface	Resistance and capacitance type	Blue, AC 400V LED, anti-interference	ND16-22D/4K2 400V BLU	268841
22mm	Curved surface	Resistance and capacitance type	Yellow, AC 400V LED, anti-interference	ND16-22D/4K2 400V YEL	268839
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 12V LED	ND16-22DS/2 12V ORG	593412
22mm	Curved surface	Resistance type, compact	White, AC/DC 12V LED	ND16-22DS/2 12V WHT	592931
22mm	Curved surface	Resistance type, compact	Red, AC/DC 12V LED	ND16-22DS/2 12V RED	592933
22mm	Curved surface	Resistance type, compact	Green, AC/DC 12V LED	ND16-22DS/2 12V GRN	592935
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 12V LED	ND16-22DS/2 12V BLU	592932
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 12V LED	ND16-22DS/2 12V YEL	592934
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 24V LED	ND16-22DS/2 24V ORG	593154
22mm	Curved surface	Resistance type, compact	White, AC/DC 24V LED	ND16-22DS/2 24V WHT	592936
22mm	Curved surface	Resistance type, compact	Red, AC/DC 24V LED	ND16-22DS/2 24V RED	592938
22mm	Curved surface	Resistance type, compact	Green, AC/DC 24V LED	ND16-22DS/2 24V GRN	592940
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 24V LED	ND16-22DS/2 24V BLU	592937
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 24V LED	ND16-22DS/2 24V YEL	592939
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 36V LED	ND16-22DS/2 36V ORG	267932
22mm	Curved surface	Resistance type, compact	White, AC/DC 36V LED	ND16-22DS/2 36V WHT	593355
22mm	Curved surface	Resistance type, compact	Red, AC/DC 36V LED	ND16-22DS/2 36V RED	593357
22mm	Curved surface	Resistance type, compact	Green, AC/DC 36V LED	ND16-22DS/2 36V GRN	593359
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 36V LED	ND16-22DS/2 36V BLU	593356
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 36V LED	ND16-22DS/2 36V YEL	593358
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 48V LED	ND16-22DS/2 48V ORG	267961
22mm	Curved surface	Resistance type, compact	White, AC/DC 48V LED	ND16-22DS/2 48V WHT	592941
22mm	Curved surface	Resistance type, compact	Red, AC/DC 48V LED	ND16-22DS/2 48V RED	592943
22mm	Curved surface	Resistance type, compact	Green, AC/DC 48V LED	ND16-22DS/2 48V GRN	592945
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 48V LED	ND16-22DS/2 48V BLU	592942
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 48V LED	ND16-22DS/2 48V YEL	592944
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 6V LED	ND16-22DS/2 6V ORG	267903
22mm	Curved surface	Resistance type, compact	White, AC/DC 6V LED	ND16-22DS/2 6V WHT	592926
22mm	Curved surface	Resistance type, compact	Red, AC/DC 6V LED	ND16-22DS/2 6V RED	592928
22mm	Curved surface	Resistance type, compact	Green, AC/DC 6V LED	ND16-22DS/2 6V GRN	592930
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 6V LED	ND16-22DS/2 6V BLU	592927
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 6V LED	ND16-22DS/2 6V YEL	592929
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 12V LED, IP65	ND16-22DS/2C 12V ORG	828105
22mm	Curved surface	Resistance type, compact	White, AC/DC 12V LED, IP65	ND16-22DS/2C 12V WHT	828100
22mm	Curved surface	Resistance type, compact	Red, AC/DC 12V LED, IP65	ND16-22DS/2C 12V RED	828102
22mm	Curved surface	Resistance type, compact	Green, AC/DC 12V LED, IP65	ND16-22DS/2C 12V GRN	828104

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 12V LED, IP65	ND16-22DS/2C 12V BLU	828101
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 12V LED, IP65	ND16-22DS/2C 12V YEL	828103
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 24V LED, IP65	ND16-22DS/2C 24V ORG	828117
22mm	Curved surface	Resistance type, compact	White, AC/DC 24V LED, IP65	ND16-22DS/2C 24V WHT	828112
22mm	Curved surface	Resistance type, compact	Red, AC/DC 24V LED, IP65	ND16-22DS/2C 24V RED	828114
22mm	Curved surface	Resistance type, compact	Green, AC/DC 24V LED, IP65	ND16-22DS/2C 24V GRN	828116
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 24V LED, IP65	ND16-22DS/2C 24V BLU	828113
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 24V LED, IP65	ND16-22DS/2C 24V YEL	828115
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 36V LED, IP65	ND16-22DS/2C 36V ORG	267933
22mm	Curved surface	Resistance type, compact	White, AC/DC 36V LED, IP65	ND16-22DS/2C 36V WHT	828124
22mm	Curved surface	Resistance type, compact	Red, AC/DC 36V LED, IP65	ND16-22DS/2C 36V RED	828126
22mm	Curved surface	Resistance type, compact	Green, AC/DC 36V LED, IP65	ND16-22DS/2C 36V GRN	828128
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 36V LED, IP65	ND16-22DS/2C 36V BLU	828125
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 36V LED, IP65	ND16-22DS/2C 36V YEL	828127
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 48V LED, IP65	ND16-22DS/2C 48V ORG	267962
22mm	Curved surface	Resistance type, compact	White, AC/DC 48V LED, IP65	ND16-22DS/2C 48V WHT	828129
22mm	Curved surface	Resistance type, compact	Red, AC/DC 48V LED, IP65	ND16-22DS/2C 48V RED	828131
22mm	Curved surface	Resistance type, compact	Green, AC/DC 48V LED, IP65	ND16-22DS/2C 48V GRN	828133
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 48V LED, IP65	ND16-22DS/2C 48V BLU	828130
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 48V LED, IP65	ND16-22DS/2C 48V YEL	828132
22mm	Curved surface	Resistance type, compact	Orange, AC/DC 6V LED, IP65	ND16-22DS/2C 6V ORG	267904
22mm	Curved surface	Resistance type, compact	White, AC/DC 6V LED, IP65	ND16-22DS/2C 6V WHT	828090
22mm	Curved surface	Resistance type, compact	Red, AC/DC 6V LED, IP65	ND16-22DS/2C 6V RED	828092
22mm	Curved surface	Resistance type, compact	Green, AC/DC 6V LED, IP65	ND16-22DS/2C 6V GRN	828094
22mm	Curved surface	Resistance type, compact	Blue, AC/DC 6V LED, IP65	ND16-22DS/2C 6V BLU	828091
22mm	Curved surface	Resistance type, compact	Yellow, AC/DC 6V LED, IP65	ND16-22DS/2C 6V YEL	828093
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 110V LED	ND16-22DS/4 110V ORG	593489
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 110V LED	ND16-22DS/4 110V WHT	592711
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 110V LED	ND16-22DS/4 110V RED	592713
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 110V LED	ND16-22DS/4 110V GRN	592715
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 110V LED	ND16-22DS/4 110V BLU	592712
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 110V LED	ND16-22DS/4 110V YEL	592714
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 220V LED	ND16-22DS/4 220V ORG	593426
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 220V LED	ND16-22DS/4 220V WHT	592716
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 220V LED	ND16-22DS/4 220V RED	592718
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 220V LED	ND16-22DS/4 220V GRN	592720
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 220V LED	ND16-22DS/4 220V BLU	592717
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 220V LED	ND16-22DS/4 220V YEL	592719
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 230V LED	ND16-22DS/4 230V ORG	593072
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 230V LED	ND16-22DS/4 230V WHT	593085
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 230V LED	ND16-22DS/4 230V RED	593012
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 230V LED	ND16-22DS/4 230V GRN	593071
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 230V LED	ND16-22DS/4 230V BLU	593152
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 230V LED	ND16-22DS/4 230V YEL	593150

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 240V LED	ND16-22DS/4 240V ORG	593151
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 240V LED	ND16-22DS/4 240V WHT	593079
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 240V LED	ND16-22DS/4 240V RED	593146
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 240V LED	ND16-22DS/4 240V GRN	593147
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 240V LED	ND16-22DS/4 240V BLU	593084
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 240V LED	ND16-22DS/4 240V YEL	593148
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 380V LED	ND16-22DS/4 380V ORG	593427
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 380V LED	ND16-22DS/4 380V WHT	592721
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 380V LED	ND16-22DS/4 380V RED	592723
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 380V LED	ND16-22DS/4 380V GRN	592725
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 380V LED	ND16-22DS/4 380V BLU	592722
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 380V LED	ND16-22DS/4 380V YEL	592724
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 400V LED	ND16-22DS/4 400V ORG	593431
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 400V LED	ND16-22DS/4 400V WHT	593430
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 400V LED	ND16-22DS/4 400V RED	593338
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 400V LED	ND16-22DS/4 400V GRN	593428
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 400V LED	ND16-22DS/4 400V BLU	593342
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 400V LED	ND16-22DS/4 400V YEL	593429
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 110V LED, IP65	ND16-22DS/4C 110V ORG	828144
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 110V LED, IP65	ND16-22DS/4C 110V WHT	828139
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 110V LED, IP65	ND16-22DS/4C 110V RED	828141
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 110V LED, IP65	ND16-22DS/4C 110V GRN	828143
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 110V LED, IP65	ND16-22DS/4C 110V BLU	828140
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 110V LED, IP65	ND16-22DS/4C 110V YEL	828142
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 220V LED, IP65	ND16-22DS/4C 220V ORG	828156
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 220V LED, IP65	ND16-22DS/4C 220V WHT	828151
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 220V LED, IP65	ND16-22DS/4C 220V RED	828153
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 220V LED, IP65	ND16-22DS/4C 220V GRN	828155
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 220V LED, IP65	ND16-22DS/4C 220V BLU	828152
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 220V LED, IP65	ND16-22DS/4C 220V YEL	828154
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 230V LED, IP65	ND16-22DS/4C 230V ORG	828168
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 230V LED, IP65	ND16-22DS/4C 230V WHT	828163
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 230V LED, IP65	ND16-22DS/4C 230V RED	828165
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 230V LED, IP65	ND16-22DS/4C 230V GRN	828167
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 230V LED, IP65	ND16-22DS/4C 230V BLU	828164
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 230V LED, IP65	ND16-22DS/4C 230V YEL	828166
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 240V LED, IP65	ND16-22DS/4C 240V ORG	828180
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 240V LED, IP65	ND16-22DS/4C 240V WHT	828175
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 240V LED, IP65	ND16-22DS/4C 240V RED	828177
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 240V LED, IP65	ND16-22DS/4C 240V GRN	828179
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 240V LED, IP65	ND16-22DS/4C 240V BLU	828176
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 240V LED, IP65	ND16-22DS/4C 240V YEL	828178
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 380V LED, IP65	ND16-22DS/4C 380V ORG	828192
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 380V LED, IP65	ND16-22DS/4C 380V WHT	828187

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 380V LED, IP65	ND16-22DS/4C 380V RED	828189
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 380V LED, IP65	ND16-22DS/4C 380V GRN	828191
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 380V LED, IP65	ND16-22DS/4C 380V BLU	828188
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 380V LED, IP65	ND16-22DS/4C 380V YEL	828190
22mm	Curved surface	Resistance and capacitance type, compact	Orange, AC 400V LED, IP65	ND16-22DS/4C 400V ORG	828204
22mm	Curved surface	Resistance and capacitance type, compact	White, AC 400V LED, IP65	ND16-22DS/4C 400V WHT	828199
22mm	Curved surface	Resistance and capacitance type, compact	Red, AC 400V LED, IP65	ND16-22DS/4C 400V RED	828201
22mm	Curved surface	Resistance and capacitance type, compact	Green, AC 400V LED, IP65	ND16-22DS/4C 400V GRN	828203
22mm	Curved surface	Resistance and capacitance type, compact	Blue, AC 400V LED, IP65	ND16-22DS/4C 400V BLU	828200
22mm	Curved surface	Resistance and capacitance type, compact	Yellow, AC 400V LED, IP65	ND16-22DS/4C 400V YEL	828202
22mm	Flat surface	Buzzer	Red, intermittent, AC 110V	ND16-22F AC 110V RED	593389
22mm	Flat surface	Buzzer	Black, intermittent, AC 110V	ND16-22F AC 110V BLK	593388
22mm	Flat surface	Buzzer	Red, intermittent, AC 220V	ND16-22F AC 220V RED	593391
22mm	Flat surface	Buzzer	Black, intermittent, AC 220V	ND16-22F AC 220V BLK	593390
22mm	Flat surface	Buzzer	Red, intermittent, AC 230V	ND16-22F AC 230V RED	828373
22mm	Flat surface	Buzzer	Black, intermittent, AC 230V	ND16-22F 230V BLK	268685
22mm	Flat surface	Buzzer	Red, intermittent, AC 240V	ND16-22F 240V RED	268725
22mm	Flat surface	Buzzer	Black, intermittent, AC 240V	ND16-22F 240V BLK	268726
22mm	Flat surface	Buzzer	Red, intermittent, AC 380V	ND16-22F AC 380V RED	593393
22mm	Flat surface	Buzzer	Black, intermittent, AC 380V	ND16-22F AC 380V BLK	593392
22mm	Flat surface	Buzzer	Red, intermittent, AC 400V	ND16-22F 400V RED	268826
22mm	Flat surface	Buzzer	Black, intermittent, AC 400V	ND16-22F 400V BLK	268827
22mm	Flat surface	Buzzer	Red, intermittent, AC/DC 110V	ND16-22F AC/DC 110V RED	593387
22mm	Flat surface	Buzzer	Black, intermittent, AC/DC 110V	ND16-22F AC/DC 110V BLK	593386
22mm	Flat surface	Buzzer	Red, intermittent, AC/DC 24V	ND16-22F AC/DC 24V RED	593381
22mm	Flat surface	Buzzer	Black, intermittent, AC/DC 24V	ND16-22F AC/DC 24V BLK	593380
22mm	Flat surface	Buzzer	Red, intermittent, AC/DC 36V	ND16-22F AC/DC 36V RED	593383
22mm	Flat surface	Buzzer	Black, intermittent, AC/DC 36V	ND16-22F AC/DC 36V BLK	593382
22mm	Flat surface	Buzzer	Red, intermittent, AC/DC 48V	ND16-22F AC/DC 48V RED	593385
22mm	Flat surface	Buzzer	Black, intermittent, AC/DC 48V	ND16-22F AC/DC 48V BLK	593384
22mm	Flat surface	Buzzer	Red, intermittent, AC 110V, LED flashing	ND16-22FS AC 110V RED	593398
22mm	Flat surface	Buzzer	Red, intermittent, AC 220V, LED flashing	ND16-22FS AC 220V RED	593399
22mm	Flat surface	Buzzer	Red, intermittent, AC 230V, LED flashing	ND16-22FS AC 230V RED	593400
22mm	Flat surface	Buzzer	Red, intermittent, AC 240V, LED flashing	ND16-22FS AC 240V RED	593918
22mm	Flat surface	Buzzer	Red, intermittent, AC 380V, LED flashing	ND16-22FS AC 380V RED	593401
22mm	Flat surface	Buzzer	Red, intermittent, AC 400V, LED flashing	ND16-22FS 400V RED	268828
22mm	Flat surface	Buzzer	Red, intermittent, AC/DC 110V, LED flashing	ND16-22FS AC/DC 110V RED	593397
22mm	Flat surface	Buzzer	Red, intermittent, AC/DC 24V, LED flashing	ND16-22FS AC/DC 24V RED	593394
22mm	Flat surface	Buzzer	Red, intermittent, AC/DC 36V, LED flashing	ND16-22FS AC/DC 36V RED	593395
22mm	Flat surface	Buzzer	Red, intermittent, AC/DC 48V, LED flashing	ND16-22FS AC/DC 48V RED	593396
22mm	Flat surface	Buzzer	Red, continuous, AC 110V	ND16-22L AC 110V RED	593482
22mm	Flat surface	Buzzer	Black, continuous, AC 110V	ND16-22L AC 110V BLK	593481
22mm	Flat surface	Buzzer	Red, continuous, AC 220V	ND16-22L AC 220V RED	593484
22mm	Flat surface	Buzzer	Black, continuous, AC 220V	ND16-22L AC 220V BLK	593483

Diameter	Shape of the head	Internal structure	Color or function	Model Description	Code
22mm	Flat surface	Buzzer	Red, continuous, AC 230V	ND16-22L AC 230V RED	828372
22mm	Flat surface	Buzzer	Black, continuous, AC 230V	ND16-22L 230V BLK	268686
22mm	Flat surface	Buzzer	Red, continuous, AC 240V	ND16-22L 240V RED	268728
22mm	Flat surface	Buzzer	Black, continuous, AC 240V	ND16-22L 240V BLK	268729
22mm	Flat surface	Buzzer	Red, continuous, AC 380V	ND16-22L AC 380V RED	593486
22mm	Flat surface	Buzzer	Black, continuous, AC 380V	ND16-22L AC 380V BLK	593485
22mm	Flat surface	Buzzer	Red, continuous, AC 400V	ND16-22L 400V RED	268829
22mm	Flat surface	Buzzer	Black, continuous, AC 400V	ND16-22L 400V BLK	268830
22mm	Flat surface	Buzzer	Red, continuous, AC/DC 110V	ND16-22L AC/DC 110V RED	593480
22mm	Flat surface	Buzzer	Black, continuous, AC/DC 110V	ND16-22L AC/DC 110V BLK	593479
22mm	Flat surface	Buzzer	Red, continuous, AC/DC 24V	ND16-22L AC/DC 24V RED	593474
22mm	Flat surface	Buzzer	Black, continuous, AC/DC 24V	ND16-22L AC/DC 24V BLK	593473
22mm	Flat surface	Buzzer	Red, continuous, AC/DC 36V	ND16-22L AC/DC 36V RED	593476
22mm	Flat surface	Buzzer	Black, continuous, AC/DC 36V	ND16-22L AC/DC 36V BLK	593475
22mm	Flat surface	Buzzer	Red, continuous, AC/DC 48V	ND16-22L AC/DC 48V RED	593478
22mm	Flat surface	Buzzer	Black, continuous, AC/DC 48V	ND16-22L AC/DC 48V BLK	593477
22mm	Flat surface	Buzzer	Red, continuous, AC 110V, LED lighting	ND16-22LC AC 110V RED	593470
22mm	Flat surface	Buzzer	Red, continuous, AC 220V, LED lighting	ND16-22LC AC 220V RED	593471
22mm	Flat surface	Buzzer	Red, continuous, AC 230V, LED lighting	ND16-22LC AC 230V RED	593910
22mm	Flat surface	Buzzer	Red, continuous, AC 240V, LED lighting	ND16-22LC 240V RED	268730
22mm	Flat surface	Buzzer	Red, continuous, AC 380V, LED lighting	ND16-22LC AC 380V RED	593472
22mm	Flat surface	Buzzer	Red, continuous, AC 400V, LED lighting	ND16-22LC 400V RED	268831
22mm	Flat surface	Buzzer	Red, continuous, AC/DC 110V, LED lighting	ND16-22LC AC/DC 110V RED	593469
22mm	Flat surface	Buzzer	Red, continuous, AC/DC 24V, LED lighting	ND16-22LC AC/DC 24V RED	593466
22mm	Flat surface	Buzzer	Red, continuous, AC/DC 36V, LED lighting	ND16-22LC AC/DC 36V RED	593467
22mm	Flat surface	Buzzer	Red, continuous, AC/DC 48V, LED lighting	ND16-22LC AC/DC 48V RED	593468



ND3 Series
Digital Indicator Lights

1. The purpose of use

1.1 ND3 series of digital indicator lights convert the analog signal in the process control system into a digital display to indicate various parameters of the signal, measurement and monitoring in the system. The product can indicate, measure and monitor the current, voltage, frequency, and temperatureparameters. The products comply with the standard of IEC60947-5-1.

1.2 Standard: The product comply with IEC60947-5-1.

2. Type Designation

N D 3 - □ □ / □

- Head shape: None: circular; S: square
- Specification code
  A: ammeter; V: voltmeter
  Hz: frequency meter; T: temperature meter
  AV: current & voltage meter;
  AVHz: Current, voltage & frequency meter
- Mounting hole size(diameter)
  (e.g. 22, indicates 22mm of diameter)
- Design serial number
- Indicator light
- Enterprise characteristics code

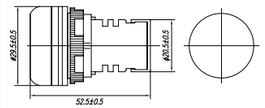
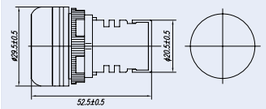
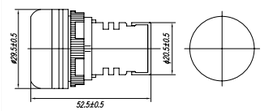
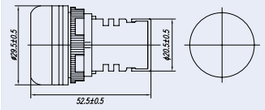
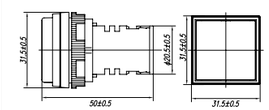
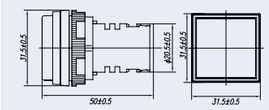
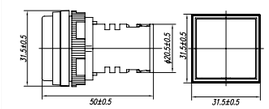
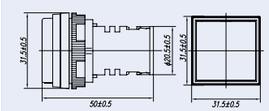
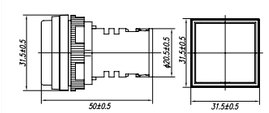
Note: 5 kinds of inicating color can be selected: red, yellow, green,blue,white

3. Technical data

Rated operating voltageUe (V)	AC50V~AC500V
Rated operating current Ie (mA)	≤50mA
Rated insulation voltage Ui (V)	660V
Rated impulse withstand voltage Uimp (kV)	2.5 kV
LED life span(h)	≥30000h
IP degree (head)	IP53 (circular) IP50 (square)
Allowable voltage fluctuation range	±10%
Voltage measurement range and accuracy	AC50V±2%~AC500V±2%
Current measurement range and accuracy	AC 0-100A(< 50A±1A,≥50A±2%)
Frequency measurement range and accuracy	50Hz±2%~60Hz±2%
Temperature measurement range and accuracy	-20℃ ±3℃ ~199℃ ±3℃
Normal operating temperature	-25℃ ~ 70℃
Average temperature	No more than 35℃ within 24h
Humidity	When the maximum temperature is 40℃ , the relative humidity of the air does not exceed 50%
Altitude (m)	≤2000m
Pollution degree	3
Installation category	Ⅱ
Installation conditions	Under the safety conditions, the installation area should be equipped with rain, snow and steam prevention facilities, and the signal light should be installed in a place with no significant shaking, shock and vibration and no conductive dust.
Transportation and storage conditions	The applicable temperature range for transport and storage is between -25℃ to 70℃ . The storage area shall be ventilated, dry and protected from rain, snow and direct sunlight.

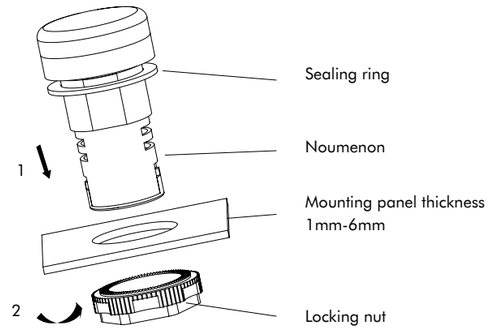
· Notice: This product is forbidden to be used in VFDs, inverters, and power environments with higher harmonic interference.

4. Specific model and detailed information

Shape	Description	Model type	Color	Main parameters	Dimensions
	Voltmeter	ND3-22V	○ ● ● ● ●	Ue:AC50V~AC500V In:≤ 50mA Measuring range:AC50V~AC500V	
	Ammeter	ND3-22A	○ ● ● ● ●	Ue:AC50V~AC500V In:≤ 50mA Measuring range:0-100A	
	Temperature meter	ND3-22T	○ ● ● ● ●	Ue:AC50V~AC500V In:≤ 50mA Measuring range:-20 ℃ ~199 ℃	
	Current voltage meter	ND3-22AV	○ ● ● ● ●	Ue:AC50V~AC500V In:≤ 50mA Measuring range:0-100A Measuring range: AC50V~AC500V	
	Voltmeter	ND3-22V/S	○ ● ● ● ●	Ue:AC50V~AC500V In:≤50mA Measuring range:AC50V~AC500V	
	Ammeter	ND3-22A/S	○ ● ● ● ●	Ue : AC50V~AC500V In : ≤ 50mA Measuring range:0-100A	
	Temperature meter	ND3-22T/S	○ ● ● ● ●	Ue:AC50V~AC500V In :≤ 50mA Measuring range:-20 ℃ ~199 ℃	
	Current voltage meter	ND3-22AV/S	○ ● ● ● ●	Ue:AC50V~AC500V In:≤ 50mA Measuring range:0-100A Measuring range:AC50V~AC500V	
	Current,voltage meter & frequency	ND3-22AVHz/S	○ ● ● ● ●	Ue: AC50V~AC500V In: ≤50mA Measuring range: 0~100A Measuring range: AC50V~AC500V Measuring range: 50Hz~60Hz	

5. Installation and operations

5.1 Product installation introduction

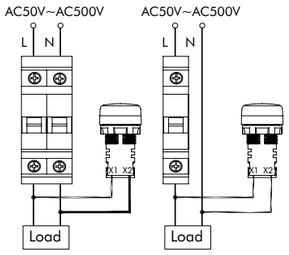


Tightening torque 1.8N·m

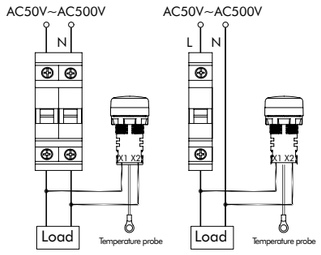
5.2 Wiring and tightening torque selection

Terminal tightening torque N.m	Cable (hard)mm²	Cable (soft)mm²	Remark
			1.Use hard or flexible cable for single wires connection 2.A terminal can be connected with two cables of same cross section or same type. 3.The strip length is 8mm
M3.5(0.8)	2×(0.5-1.0)	2×(0.5-1.0)	

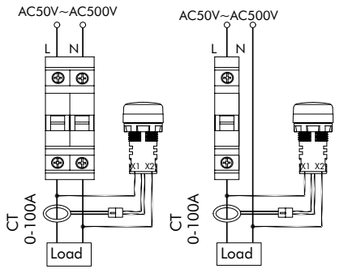
5.3 Wiring diagram



ND3-22V, ND3-22V/S wiring diagram



ND 3-22T,ND 3-22T/S wiring diagram



ND3-22A, ND3-22A/S, ND3-22AV/S,
ND3-22AV,ND3-22AVHz/S wiring diagram

6. Ordering Information

When ordering, please specify the model specifications, the color and quantity, such as: ND3-22A red 20pcs; ND3-22AVHz/S yellow 20pcs .

Indication function	Shape of the head	Color	Model Description	Code
Current	Round	Blue	ND3-22A BLU	508950
Current	Round	Green	ND3-22A GRN	508949
Current	Round	Red	ND3-22A RED	508947
Current	Round	White	ND3-22A WHT	508951
Current	Round	Yellow	ND3-22A YEL	508948
Current	Square	Blue	ND3-22A/S BLU	508955
Current	Square	Green	ND3-22A/S GRN	508954
Current	Square	Red	ND3-22A/S RED	508952
Current	Square	White	ND3-22A/S WHT	508956
Current	Square	Yellow	ND3-22A/S YEL	508953
Current and voltage	Round	Blue	ND3-22AV Blue	513315
Current and voltage	Round	Green	ND3-22AV Green	513314
Current and voltage	Round	Red	ND3-22AV Red	513312
Current and voltage	Round	White	ND3-22AV White	513316
Current and voltage	Round	Yellow	ND3-22AV Yellow	513313
Current and voltage	Square	Blue	ND3-22AV/S BLU	508980
Current and voltage	Square	Green	ND3-22AV/S GRN	508979
Current and voltage	Square	Red	ND3-22AV/S RED	508977
Current and voltage	Square	White	ND3-22AV/S WHT	508981
Current and voltage	Square	Yellow	ND3-22AV/S YEL	508978
Current, voltage and frequency	Square	Blue	ND3-22AVHz/S BLU	508985
Current, voltage and frequency	Square	Green	ND3-22AVHz/S GRN	508984
Current, voltage and frequency	Square	Red	ND3-22AVHz/S RED	508982
Current, voltage and frequency	Square	White	ND3-22AVHz/S WHT	508986
Current, voltage and frequency	Square	Yellow	ND3-22AVHz/S YEL	508983
Temperature	Round	Blue	ND3-22T BLU	508970
Temperature	Round	Green	ND3-22T GRN	508969
Temperature	Round	Red	ND3-22T RED	508967
Temperature	Round	White	ND3-22T WHT	508971
Temperature	Round	Yellow	ND3-22T YEL	508968
Temperature	Square	Blue	ND3-22T/S BLU	508975
Temperature	Square	Green	ND3-22T/S GRN	508974
Temperature	Square	Red	ND3-22T/S RED	508972
Temperature	Square	White	ND3-22T/S WHT	508976
Temperature	Square	Yellow	ND3-22T/S YEL	508973
Voltage	Round	Blue	ND3-22V BLU	508960
Voltage	Round	Green	ND3-22V GRN	508959
Voltage	Round	Red	ND3-22V RED	508957
Voltage	Round	White	ND3-22V WHT	508961
Voltage	Round	Yellow	ND3-22V YEL	508958
Voltage	Square	Blue	ND3-22V/S BLU	508965
Voltage	Square	Green	ND3-22V/S GRN	508964
Voltage	Square	Red	ND3-22V/S RED	508962
Voltage	Square	White	ND3-22V/S WHT	508966
Voltage	Square	Yellow	ND3-22V/S YEL	508963

B.3 Relays







NJX6 Series Miniature Relays

1. Scope of application

- NJX6 is a new generation relay with 6mm width, available for AC and DC voltage, can be used for PLC control, with matching socket.
- Standard:IEC/EN 61810-1.
- Conformity certification:CE, TUV.

2. Type designation

Relay:

N JX 6 / □ □ □

- Coil voltage: DC12V/24V/48V/60V
- Rated current: 6A/10A
- 1Z: 1 changeover contact
- 6mm width
- Miniature electromagnetic relay
- Company code

Socket:

N JX 6 - □ □

- Terminal: L-screw terminal, T-spring terminal
- Operating voltage: 12/24/60/110/220C AC/DC
- 6mm width
- Miniature electromagnetic relay
- Company code

Complete set:

N JX 6 - □ □ □ □

- Operating voltage: 12/24/48/110/220C AC/DC
- Rated current: 6A/10A
- Terminal: L-screw terminal, T-spring terminal
- CT: Complete set (relay+socket)
- 6mm width
- Miniature electromagnetic relay
- Company code

3. Main parameters and technical performance

Normal operating conditions and installation conditions

Ambient temperature	-40℃ ~+70℃
Environmental humidity	5%RH~85%RH
Atmospheric pressure	86kPa~106kPa

Contact parameters

Contact form	1Z
Contact resistance	100mΩ max.(DC6V、1A)
Contact material	Silver alloy
Contact load (resistive)	6A type: 6A 277VAC 10A type: NO:10A 277VAC;NC:6A 277VAC
Maximum switching voltage	277VAC/30VDC
Maximum switching current	6A、10A
Maximum switching power	6A: 1662VA/180W 10A: 2770VA/180W
Electrical life (cycles)	6×10^4
Mechanical life (cycles)	1×10^7
Minimum load	DC5V、100mA

Note: 1. In order to maintain the initial performance, please be careful not to drop it or subject it to shock;

2. Avoid using it in a normal temperature and humidity environment containing dust, SO 2 , H 2 S or organic gases.

3. The silver alloy contacts will be oxidized after long term storage, resulting in weak conduction capacity. It can return to normal after switching several times in a large load, and if the load is small, suggest to choose gold-plated contacts.

4. the same contact to withstand the above resistive, inductive, capacitive, motor load current ratio of about 1:0.3:0.15:0.15, rated resistive load current is 6/10A, the use of inductive load types need to be derated to 1.5/3A (AC-15) use.

5. Life expectancy varies depending on the environment and conditions of use. When using the product, be sure to check the actual conditions of use. If the product is used in a state of deterioration, the insulation may deteriorate and cause abnormal heat, smoke, or fire. In order to prevent personal injury or death, fire, social damage, etc. due to malfunction or expiration of the product life, please adopt safety designs such as redundancy design, fire-resistant delayed burn design, and anti-failure design, etc., and carry out regular maintenance. 6, the above minimum load is a reference value, applicable to normal temperature, humidity, normal pressure, normal installation environment. The reference value may change according to the on-off frequency, environmental conditions, usage time and installation direction, so please confirm the test according to the actual load before use.

Performance parameters

Insulation resistance	100MΩ or more (500VDC)
Operating time (23℃ , at rated voltage)	≤ 10ms
Release time (23℃, at rated voltage)	≤ 5ms
Shock (Stability)	Acceleration 250m/s ^{2}
Vibration	Frequency 10Hz-150Hz, double amplitude 0.35mm
Terminal form	Plug-in
Maximum external dimensions (mm)	28×6×14.8

Coil parameters

Rated power consumption	3-24VDC approx. 0.18W, 48-60VDC approx. 0.25W
Operating voltage	DC: ≤ 80% of rated voltage; AC: ≤ 80% of rated voltage
Release Voltage	DC: ≥ 10% of rated voltage; AC: ≥ 20% of rated voltage
Maximum voltage	110% Rated voltage

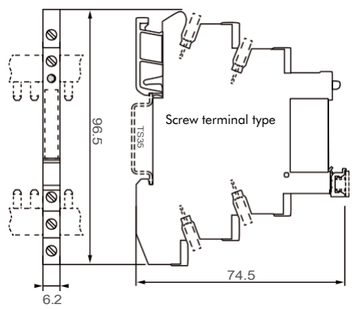
Coil specification parameters

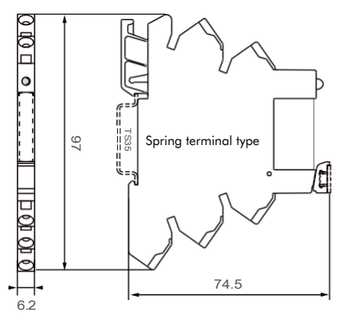
Rated Voltage VDC	Operating voltage (% of rated voltage) (23℃)	Release voltage (% of rated voltage) (23℃)	Coil power W	Coil resistance Ω, Ω
12	80%MAX.	5%MIN.	0.18	800×(1±10%)
24			0.18	3200×(1±10%)
48			0.25	9200×(1±10%)
60			0.25	14400×(1±10%)

Selection table

Description for the complete set	Description for the socket	Description for the relay
NJX6-CTL-6A AC/DC12V	NJX6-12-L	NJX6/1Z 6A DC12V
NJX6-CTL-6A AC/DC24V	NJX6-24-L	NJX6/1Z 6A DC24V
NJX6-CTL-6A AC/DC48V	NJX6-60-L	NJX6/1Z 6A DC48V
NJX6-CTL-6A AC/DC110V	NJX6-110-L	NJX6/1Z 6A DC60V
NJX6-CTL-6A AC/DC220V	NJX6-220-L	NJX6/1Z 6A DC60V
NJX6-CTL-10A AC/DC12V	NJX6-12-L	NJX6/1Z 10A DC12V
NJX6-CTL-10A AC/DC24V	NJX6-24-L	NJX6/1Z 10A DC24V
NJX6-CTL-10A AC/DC48V	NJX6-60-L	NJX6/1Z 10A DC48V
NJX6-CTL-10A AC/DC110V	NJX6-110-L	NJX6/1Z 10A DC60V
NJX6-CTL-10A AC/DC220V	NJX6-220-L	NJX6/1Z 10A DC60V
NJX6-CTT-6A AC/DC12V	NJX6-12-T	NJX6/1Z 6A DC12V
NJX6-CTT-6A AC/DC24V	NJX6-24-T	NJX6/1Z 6A DC24V
NJX6-CTT-6A AC/DC48V	NJX6-60-T	NJX6/1Z 6A DC48V
NJX6-CTT-6A AC/DC110V	NJX6-110-T	NJX6/1Z 6A DC60V
NJX6-CTT-6A AC/DC220V	NJX6-220-T	NJX6/1Z 6A DC60V
NJX6-CTT-10A AC/DC12V	NJX6-12-T	NJX6/1Z 10A DC12V
NJX6-CTT-10A AC/DC24V	NJX6-24-T	NJX6/1Z 10A DC24V
NJX6-CTT-10A AC/DC48V	NJX6-60-T	NJX6/1Z 10A DC48V
NJX6-CTT-10A AC/DC110V	NJX6-110-T	NJX6/1Z 10A DC60V
NJX6-CTT-10A AC/DC220V	NJX6-220-T	NJX6/1Z 10A DC60V

4. External and mounting dimensions





Relay:

NJX6	-	1Z	6A	DC12V
Product Series		Contact group	Rated current	Coil voltage
		1Z: 1 changeover contact	6A 10A	DC12V DC24V DC48V DC60V

Socket:

NJX6	-	110	-	L
Product Series		Operating voltage		Terminal type
		24: AC/DC24V 60: AC/DC60V 110: AC/DC110V 220: AC/DC220V		L: screw terminal T: spring terminal

Complete set:

NJX6	-	CT	L	10A	AC/DC110V
Product Series		Complete set	Terminal type	Rated current	Operating voltage
			L: screw terminal T: spring terminal	6A 10A	DC12V DC24V DC48V DC110V DC220V

Contact	Rated current	Function	Rated voltage	Model Description	Code
1Z	-	Socket	110V AC/DC	NJX6-110-L	525369
1Z	-	Socket	110V AC/DC	NJX6-110-T	525370
1Z	-	Socket	220V AC/DC	NJX6-220-L	525371
1Z	-	Socket	220V AC/DC	NJX6-220-T	525372
1Z	-	Socket	24V AC/DC	NJX6-24-L	525373
1Z	-	Socket	24V AC/DC	NJX6-24-T	525374
1Z	-	Socket	60V AC/DC	NJX6-60-L	525375
1Z	-	Socket	60V AC/DC	NJX6-60-T	525376
1Z	10A	Socket+Relay	110V AC/DC	NJX6-CTL 10A AC/DC110V	525377
1Z	10A	Socket+Relay	12V AC/DC	NJX6-CTL 10A AC/DC12V	525378
1Z	10A	Socket+Relay	220V AC/DC	NJX6-CTL 10A AC/DC220V	525379
1Z	10A	Socket+Relay	24V AC/DC	NJX6-CTL 10A AC/DC24V	525380
1Z	10A	Socket+Relay	48V AC/DC	NJX6-CTL 10A AC/DC48V	525381
1Z	6A	Socket+Relay	110V AC/DC	NJX6-CTL 6A AC/DC110V	525382
1Z	6A	Socket+Relay	12V AC/DC	NJX6-CTL 6A AC/DC12V	525383
1Z	6A	Socket+Relay	220V AC/DC	NJX6-CTL 6A AC/DC220V	525384
1Z	6A	Socket+Relay	24V AC/DC	NJX6-CTL 6A AC/DC24V	525385
1Z	6A	Socket+Relay	48V AC/DC	NJX6-CTL 6A AC/DC48V	525386
1Z	10A	Socket+Relay	110V AC/DC	NJX6-CTT 10A AC/DC110V	525387
1Z	10A	Socket+Relay	12V AC/DC	NJX6-CTT 10A AC/DC12V	525388
1Z	10A	Socket+Relay	220V AC/DC	NJX6-CTT 10A AC/DC220V	525389
1Z	10A	Socket+Relay	24V AC/DC	NJX6-CTT 10A AC/DC24V	525390
1Z	10A	Socket+Relay	48V AC/DC	NJX6-CTT 10A AC/DC48V	525391
1Z	6A	Socket+Relay	110V AC/DC	NJX6-CTT 6A AC/DC110V	525392
1Z	6A	Socket+Relay	12V AC/DC	NJX6-CTT 6A AC/DC12V	525393
1Z	6A	Socket+Relay	220V AC/DC	NJX6-CTT 6A AC/DC220V	525394
1Z	6A	Socket+Relay	24V AC/DC	NJX6-CTT 6A AC/DC24V	525395
1Z	6A	Socket+Relay	48V AC/DC	NJX6-CTT 6A AC/DC48V	525396
1Z	10A	Relay	12VDC	NJX6/1Z 10A DC12V	525397
1Z	10A	Relay	24VDC	NJX6/1Z 10A DC24V	525398
1Z	10A	Relay	48VDC	NJX6/1Z 10A DC48V	525399
1Z	10A	Relay	60VDC	NJX6/1Z 10A DC60V	525400
1Z	6A	Relay	12VDC	NJX6/1Z 6A DC12V	525401
1Z	6A	Relay	24VDC	NJX6/1Z 6A DC24V	525402
1Z	6A	Relay	48VDC	NJX6/1Z 6A DC48V	525403
1Z	6A	Relay	60VDC	NJX6/1Z 6A DC60V	525404









NJX12 Series Miniature Relays

1. Product Overview

- NJX12 is a new generation relay with 12mm width, available for AC and DC voltage, can be used for PLC control, with matching socket.
- Mechanical locking and power indication function are available for selection.
- Conformity certification: CE.

2. Normal operating conditions and installation conditions

Temperature range	-40℃～+70℃
Relative humidity	+25°C up to 95%
Atmospheric pressure	86kPa~106kPa
Altitude	≤2000m (above 2000m, see elevation coefficient of reduction graph)

3. Main parameters and technical performance

3.1 Contact parameters

Contact form	1Z(C)、2Z(C)
Contact resistance	50mΩ(DC6V、1A)
Contact material	Silver alloy
Contact load (resistive)	1Z：12A 250VAC/30VDC 2Z：8A 250VAC/30VDC
Maximum switching voltage	250VAC/30VDC
Maximum switching current	1Z：12A 2Z：8A
Maximum switching power	1Z：3000VA/360W 2Z：2000VA/240W
Electrical life (cycles)	1×10^5 (ambient temperature: 25℃ ±2℃)
Mechanical life (cycles)	$1X10^7$

3.2 Performance, characterization parameters

Insulation resistance		100MΩ(500VDC)
Withstand pressure	Between coil and contact	5000VAC，1min
	Between different contacts	3000VAC
	Breaking contacts	1000VAC
Operating time (25℃ , rated voltage)		≤ 20ms
Release time (25°C, rated voltage)		≤ 20ms
Shock (Stability)		Acceleration 100m/s^2 , pulse duration 11ms
Vibration		Double amplitude 1mm, (10~55)Hz
Terminal forms		Plug-in
Maximum external dimensions (mm)		29 x 13 x 30.5 (standard)

3.3 Coil parameters

Rated power consumption	0.64W 、1.2VA
Operating voltage	DC: ≤ 75% of rated voltage; AC: ≤ 80% of rated voltage
Release voltage	DC: ≥ 10% of rated voltage; AC: ≥ 20% of rated voltage
Maximum voltage	110% rated voltage

3.4 Coil specification sheet

Rated voltage VDC	Operating Voltage VDC (≤)	Release Voltage VDC (≥)	Coil resistance Ω
6	4.5	0.6	67.9×(1±10%)
9	6.75	0.9	152.8×(1±10%)
12	9	1.2	271.7×(1±10%)
24	18	2.4	1087×(1±10%)
36	27	3.6	2445×(1±15%)
48	36	4.8	4347×(1±15%)
110	82.5	11	22830×(1±15%)

Rated voltage VAC	Operating Voltage VAC (≤)	Release Voltage VAC (≥)	Coil resistance Ω
6	4.8	1.2	16×(1±10%)
12	9.6	2.4	63×(1±10%)
24	19.2	4.8	243×(1±10%)
48	38.4	9.6	1085×(1±10%)
115	92	23	6030×(1±15%)
220	176	44	21530×(1±15%)
230	184	46	24100×(1±15%)
240	192	48	25570×(1±15%)

Note 1: Coil parameters and specifications are values at 25°C coil temperature.

Note 2: In high temperature and high humidity environment, when the surrounding temperature changes drastically, condensation may occur inside the relay, then appropriate dehumidification measures should be taken.

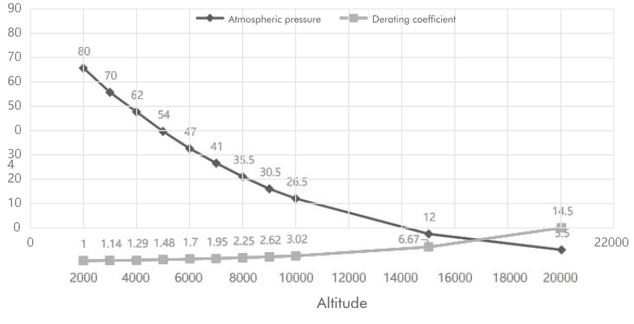
Note 3: The operating voltage is predicted to be 80% or less of the actual value due to individual product variations. The relay will operate normally when a voltage of 80% or more of the rated value is applied, but to realize the specified performance, apply the rated voltage to the coil when using the relay.

Note 4: The actual values of release voltage are predicted to be 20% or more of AC and 10% or more of DC, depending on the product. Make sure that the actual release voltage is less than this value.

Note 5: Maximum voltage is the maximum voltage value that the relay coil can withstand in a short period of time.

Note 6: Elevation derating coefficient graph (product derating reference multiplication factor)

Derating curve for altitude

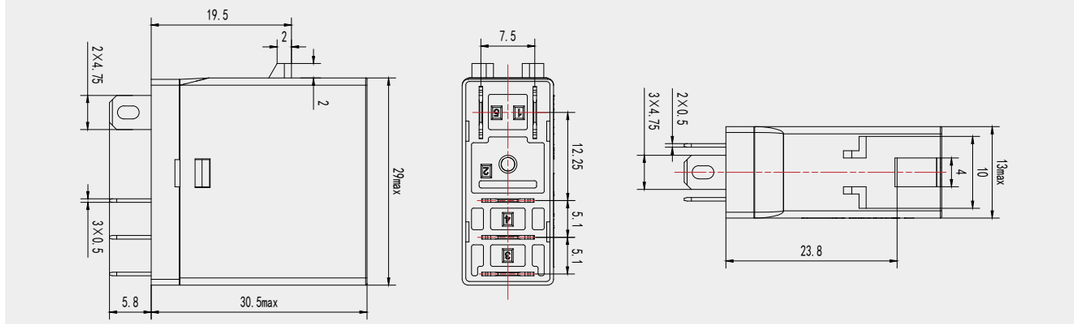


4. Sockets

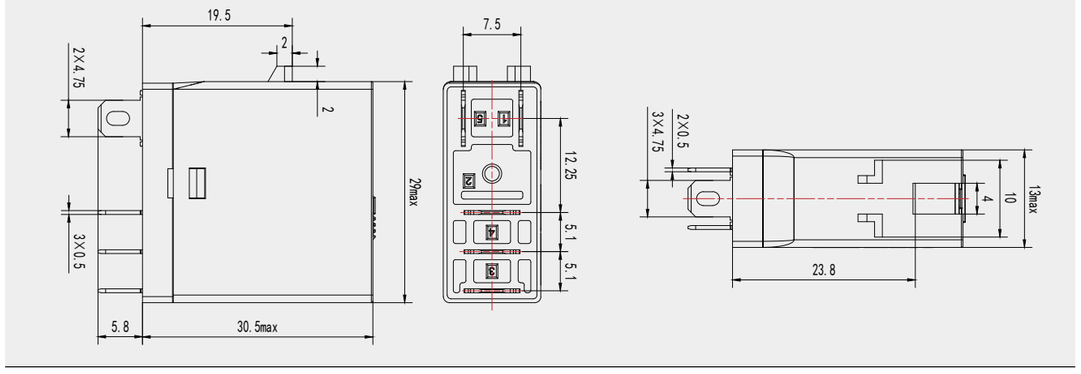
Relay Model	NJX12/1Z	Relay Model	NJX12/2Z
Socket model	NTC12-1Z	Socket model	NTC12-2Z
Maximum external dimensions of the socket (mm)	72×57×16.5	Maximum external dimensions of the socket (mm)	72×57×16.5
Terminal form of socket	Screw Type	Terminal form of socket	Screw Type

5. Dimensions

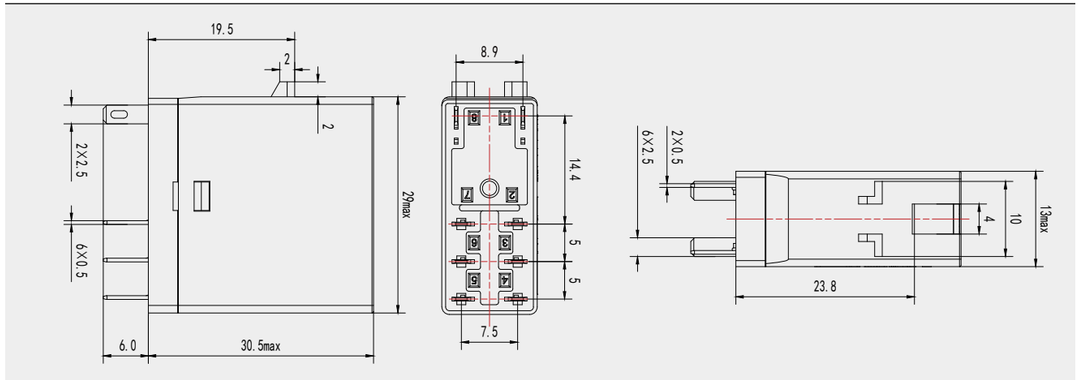
1Z (Standard)



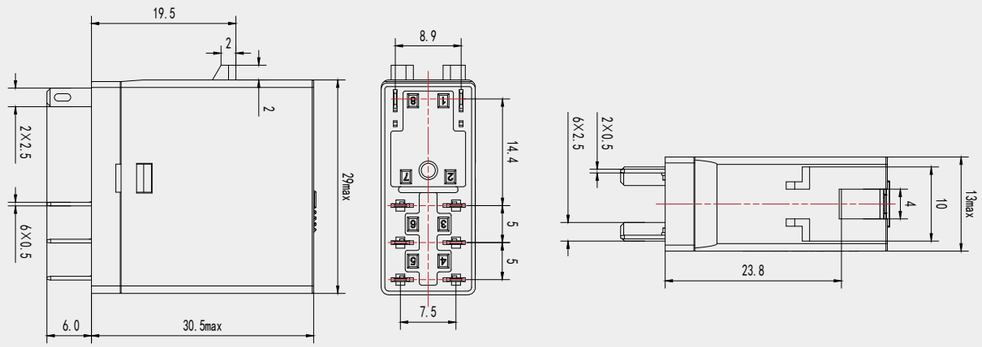
1Z (With mechanical locking)



2Z (Standard)

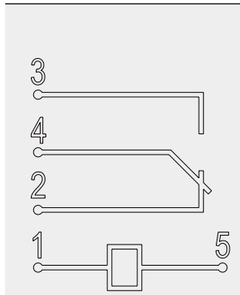


2Z (With mechanical locking)

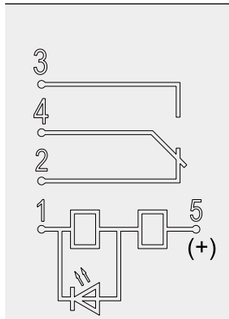


6. Wiring Diagram

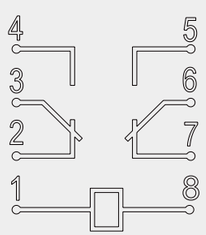
NJX12/1Z



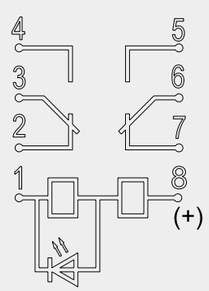
NJX12/1Z(D)



NJX12/2Z



NJX12/2Z(D)



Relay:

NJX12	-	1Z	(D)	AC220V
Relay Model		Contact form	Function codes	Coil voltage
Relay Model		1Z: one changeover contact 2Z: two changeover contacts	None: standard (D): with power-on indication (BS): with mechanical locking	AC6V DC6V 10AAC12V DC9V AC24V DC12V AC48V DC24V AC115V DC36V AC220V DC48V AC230V DC110V AC240V

Socket:

NTC12	-	1Z
Product Series		Contact form
		1Z 2Z

Contact	Rated current	Function	Coil	Model Description	Code
1Z	12A	-	115VAC	NJX12/1Z 115VAC	526070
1Z	12A	-	12VAC	NJX12/1Z 12VAC	526067
1Z	12A	-	220VAC	NJX12/1Z 220VAC	526071
1Z	12A	-	230VAC	NJX12/1Z 230VAC	526072
1Z	12A	-	240VAC	NJX12/1Z 240VAC	526073
1Z	12A	-	24VAC	NJX12/1Z 24VAC	526068
1Z	12A	-	48VAC	NJX12/1Z 48VAC	526069
1Z	12A	-	6VAC	NJX12/1Z 6VAC	526066
1Z	12A	-	110VDC	NJX12/1Z 110VDC	526080
1Z	12A	-	12VDC	NJX12/1Z 12VDC	526076
1Z	12A	-	24VDC	NJX12/1Z 24VDC	526077
1Z	12A	-	36VDC	NJX12/1Z 36VDC	526078
1Z	12A	-	48VDC	NJX12/1Z 48VDC	526079
1Z	12A	-	6VDC	NJX12/1Z 6VDC	526074
1Z	12A	-	9VDC	NJX12/1Z 9VDC	526075
1Z	12A	Mechanical latching	115VAC	NJX12/1Z(BS) 115VAC	526130
1Z	12A	Mechanical latching	12VAC	NJX12/1Z(BS) 12VAC	526127
1Z	12A	Mechanical latching	220VAC	NJX12/1Z(BS) 220VAC	526131
1Z	12A	Mechanical latching	230VAC	NJX12/1Z(BS) 230VAC	526132
1Z	12A	Mechanical latching	240VAC	NJX12/1Z(BS) 240VAC	526133
1Z	12A	Mechanical latching	24VAC	NJX12/1Z(BS) 24VAC	526128
1Z	12A	Mechanical latching	48VAC	NJX12/1Z(BS) 48VAC	526129
1Z	12A	Mechanical latching	6VAC	NJX12/1Z(BS) 6VAC	526126
1Z	12A	Mechanical latching	110VDC	NJX12/1Z(BS) 110VDC	526140
1Z	12A	Mechanical latching	12VDC	NJX12/1Z(BS) 12VDC	526136
1Z	12A	Mechanical latching	24VDC	NJX12/1Z(BS) 24VDC	526137
1Z	12A	Mechanical latching	36VDC	NJX12/1Z(BS) 36VDC	526138
1Z	12A	Mechanical latching	48VDC	NJX12/1Z(BS) 48VDC	526139
1Z	12A	Mechanical latching	6VDC	NJX12/1Z(BS) 6VDC	526134
1Z	12A	Mechanical latching	9VDC	NJX12/1Z(BS) 9VDC	526135
1Z	12A	LED indicator	115VAC	NJX12/1Z(D) 115VAC	526100
1Z	12A	LED indicator	12VAC	NJX12/1Z(D) 12VAC	526097
1Z	12A	LED indicator	220VAC	NJX12/1Z(D) 220VAC	526101
1Z	12A	LED indicator	230VAC	NJX12/1Z(D) 230VAC	526102
1Z	12A	LED indicator	240VAC	NJX12/1Z(D) 240VAC	526103
1Z	12A	LED indicator	24VAC	NJX12/1Z(D) 24VAC	526098
1Z	12A	LED indicator	48VAC	NJX12/1Z(D) 48VAC	526099
1Z	12A	LED indicator	6VAC	NJX12/1Z(D) 6VAC	526096
1Z	12A	LED indicator	110VDC	NJX12/1Z(D) 110VDC	526110
1Z	12A	LED indicator	12VDC	NJX12/1Z(D) 12VDC	526106
1Z	12A	LED indicator	24VDC	NJX12/1Z(D) 24VDC	526107
1Z	12A	LED indicator	36VDC	NJX12/1Z(D) 36VDC	526108
1Z	12A	LED indicator	48VDC	NJX12/1Z(D) 48VDC	526109
1Z	12A	LED indicator	6VDC	NJX12/1Z(D) 6VDC	526104
1Z	12A	LED indicator	9VDC	NJX12/1Z(D) 9VDC	526105

Contact	Rated current	Function	Coil	Model Description	Code
1Z	12A	LED indicator, with mechanical latching	115VAC	NJX12/1Z(D)(BS) 115VAC	526160
1Z	12A	LED indicator, with mechanical latching	12VAC	NJX12/1Z(D)(BS) 12VAC	526157
1Z	12A	LED indicator, with mechanical latching	220VAC	NJX12/1Z(D)(BS) 220VAC	526161
1Z	12A	LED indicator, with mechanical latching	230VAC	NJX12/1Z(D)(BS) 230VAC	526162
1Z	12A	LED indicator, with mechanical latching	240VAC	NJX12/1Z(D)(BS) 240VAC	526163
1Z	12A	LED indicator, with mechanical latching	24VAC	NJX12/1Z(D)(BS) 24VAC	526158
1Z	12A	LED indicator, with mechanical latching	48VAC	NJX12/1Z(D)(BS) 48VAC	526159
1Z	12A	LED indicator, with mechanical latching	6VAC	NJX12/1Z(D)(BS) 6VAC	526156
1Z	12A	LED indicator, with mechanical latching	110VDC	NJX12/1Z(D)(BS) 110VDC	526170
1Z	12A	LED indicator, with mechanical latching	12VDC	NJX12/1Z(D)(BS) 12VDC	526166
1Z	12A	LED indicator, with mechanical latching	24VDC	NJX12/1Z(D)(BS) 24VDC	526167
1Z	12A	LED indicator, with mechanical latching	36VDC	NJX12/1Z(D)(BS) 36VDC	526168
1Z	12A	LED indicator, with mechanical latching	48VDC	NJX12/1Z(D)(BS) 48VDC	526169
1Z	12A	LED indicator, with mechanical latching	6VDC	NJX12/1Z(D)(BS) 6VDC	526164
1Z	12A	LED indicator, with mechanical latching	9VDC	NJX12/1Z(D)(BS) 9VDC	526165
2Z	8A	-	115VAC	NJX12/2Z 115VAC	526085
2Z	8A	-	12VAC	NJX12/2Z 12VAC	526082
2Z	8A	-	220VAC	NJX12/2Z 220VAC	526086
2Z	8A	-	230VAC	NJX12/2Z 230VAC	526087
2Z	8A	-	240VAC	NJX12/2Z 240VAC	526088
2Z	8A	-	24VAC	NJX12/2Z 24VAC	526083
2Z	8A	-	48VAC	NJX12/2Z 48VAC	526084
2Z	8A	-	6VAC	NJX12/2Z 6VAC	526081
2Z	8A	-	110VDC	NJX12/2Z 110VDC	526095
2Z	8A	-	12VDC	NJX12/2Z 12VDC	526091
2Z	8A	-	24VDC	NJX12/2Z 24VDC	526092
2Z	8A	-	36VDC	NJX12/2Z 36VDC	526093
2Z	8A	-	48VDC	NJX12/2Z 48VDC	526094
2Z	8A	-	6VDC	NJX12/2Z 6VDC	526089
2Z	8A	-	9VDC	NJX12/2Z 9VDC	526090
2Z	8A	Mechanical latching	115VAC	NJX12/2Z(BS) 115VAC	526145
2Z	8A	Mechanical latching	12VAC	NJX12/2Z(BS) 12VAC	526142
2Z	8A	Mechanical latching	220VAC	NJX12/2Z(BS) 220VAC	526146
2Z	8A	Mechanical latching	230VAC	NJX12/2Z(BS) 230VAC	526147
2Z	8A	Mechanical latching	240VAC	NJX12/2Z(BS) 240VAC	526148
2Z	8A	Mechanical latching	24VAC	NJX12/2Z(BS) 24VAC	526143
2Z	8A	Mechanical latching	48VAC	NJX12/2Z(BS) 48VAC	526144
2Z	8A	Mechanical latching	6VAC	NJX12/2Z(BS) 6VAC	526141
2Z	8A	Mechanical latching	110VDC	NJX12/2Z(BS) 110VDC	526155
2Z	8A	Mechanical latching	12VDC	NJX12/2Z(BS) 12VDC	526151
2Z	8A	Mechanical latching	24VDC	NJX12/2Z(BS) 24VDC	526152
2Z	8A	Mechanical latching	36VDC	NJX12/2Z(BS) 36VDC	526153
2Z	8A	Mechanical latching	48VDC	NJX12/2Z(BS) 48VDC	526154
2Z	8A	Mechanical latching	6VDC	NJX12/2Z(BS) 6VDC	526149
2Z	8A	Mechanical latching	9VDC	NJX12/2Z(BS) 9VDC	526150

Contact	Rated current	Function	Coil	Model Description	Code
2Z	8A	LED indicator	115VAC	NJX12/2Z(D) 115VAC	526115
2Z	8A	LED indicator	12VAC	NJX12/2Z(D) 12VAC	526112
2Z	8A	LED indicator	220VAC	NJX12/2Z(D) 220VAC	526116
2Z	8A	LED indicator	230VAC	NJX12/2Z(D) 230VAC	526117
2Z	8A	LED indicator	240VAC	NJX12/2Z(D) 240VAC	526118
2Z	8A	LED indicator	24VAC	NJX12/2Z(D) 24VAC	526113
2Z	8A	LED indicator	48VAC	NJX12/2Z(D) 48VAC	526114
2Z	8A	LED indicator	6VAC	NJX12/2Z(D) 6VAC	526111
2Z	8A	LED indicator	110VDC	NJX12/2Z(D) 110VDC	526125
2Z	8A	LED indicator	12VDC	NJX12/2Z(D) 12VDC	526121
2Z	8A	LED indicator	24VDC	NJX12/2Z(D) 24VDC	526122
2Z	8A	LED indicator	36VDC	NJX12/2Z(D) 36VDC	526123
2Z	8A	LED indicator	48VDC	NJX12/2Z(D) 48VDC	526124
2Z	8A	LED indicator	6VDC	NJX12/2Z(D) 6VDC	526119
2Z	8A	LED indicator	9VDC	NJX12/2Z(D) 9VDC	526120
2Z	8A	LED indicator, with mechanical latching	115VAC	NJX12/2Z(D)(BS) 115VAC	526175
2Z	8A	LED indicator, with mechanical latching	12VAC	NJX12/2Z(D)(BS) 12VAC	526172
2Z	8A	LED indicator, with mechanical latching	220VAC	NJX12/2Z(D)(BS) 220VAC	526176
2Z	8A	LED indicator, with mechanical latching	230VAC	NJX12/2Z(D)(BS) 230VAC	526177
2Z	8A	LED indicator, with mechanical latching	240VAC	NJX12/2Z(D)(BS) 240VAC	526178
2Z	8A	LED indicator, with mechanical latching	24VAC	NJX12/2Z(D)(BS) 24VAC	526173
2Z	8A	LED indicator, with mechanical latching	48VAC	NJX12/2Z(D)(BS) 48VAC	526174
2Z	8A	LED indicator, with mechanical latching	6VAC	NJX12/2Z(D)(BS) 6VAC	526171
2Z	8A	LED indicator, with mechanical latching	110VDC	NJX12/2Z(D)(BS) 110VDC	526185
2Z	8A	LED indicator, with mechanical latching	12VDC	NJX12/2Z(D)(BS) 12VDC	526181
2Z	8A	LED indicator, with mechanical latching	24VDC	NJX12/2Z(D)(BS) 24VDC	526182
2Z	8A	LED indicator, with mechanical latching	36VDC	NJX12/2Z(D)(BS) 36VDC	526183
2Z	8A	LED indicator, with mechanical latching	48VDC	NJX12/2Z(D)(BS) 48VDC	526184
2Z	8A	LED indicator, with mechanical latching	6VDC	NJX12/2Z(D)(BS) 6VDC	526179
2Z	8A	LED indicator, with mechanical latching	9VDC	NJX12/2Z(D)(BS) 9VDC	526180
1Z	12A	Socket		NTC12-1Z	396890
2Z	8A	Socket		NTC12-2Z	396891









NXJ Series Miniature Relays

Applicable scope

Three types of contacts (2Z, 3Z, and 4Z): complete range of AC/DC models; high contact relia-bility, applicable to PLC control; transparent dust cover encapsulation; supplied with sockets; status indicators with optional specifications.

Normal operation conditions and installation conditions

Temperature range	-40℃~+70℃
Relative humidity	Up to 95% at +25℃
Atmospheric pressure	86kPa~106kPa
Operation position	Any

Description

NXJ	-	A	220V	-	2Z	1	D
Relay model		Coil type	Coil voltage		Contact form	Connection method	Additional function
		A: AC None: DC	DC: 5V, 6V, 12V, 24V, 36V, 48V, 110V, 127V, 220V AC: 6V, 12V, 24V, 36V, 48V, 110V, 127V, 220V, 240V, 380V, 400V, 415V		2Z: Switching between two groups 3Z: Switching between three groups 4Z: Switching between four groups 2ZH: Switching between two groups with big current	1: Directly plugged 6: Welded	None: Standard product D: With status indicator B: With status indicator and surge suppressor (DC) M: With arc isolator, only for 4Z contact

Model example:

NXJ-A220-2Z1D represents the following relay: rated control coil voltage: AC220V; contact form: switching between two groups (1NO + 1NC for each contact group, contact rated ope-ration current 5A); directly plugged, with indicator function.

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
2Z	5A	LED indicator	220VAC	Plug-in	NXJ/2Z(D) 220VAC PLU	843114
2Z	5A	-	220VAC	Plug-in	NXJ/2Z 220VAC PLU	843112
2Z	5A	LED indicator	220VAC	PCB Welding	NXJ/2Z (D) 220VAC PIN	843115
2Z	5A	-	220VAC	PCB Welding	NXJ/2Z 220VAC PIN	843113
2Z	10A	LED indicator	220VAC	Plug-in	NXJ/2ZH(D) 220VAC PLU	843130
2Z	10A	-	220VAC	Plug-in	NXJ/2ZH 220VAC PLU	843128
2Z	10A	LED indicator	220VAC	PCB Welding	NXJ/2ZH(D) 220VAC PIN	843131
2Z	10A	-	220VAC	PCB Welding	NXJ/2ZH 220VAC PIN	843129
3Z	5A	LED indicator	220VAC	Plug-in	NXJ/3Z(D) 220VAC PLU	843118
3Z	5A	-	220VAC	Plug-in	NXJ/3Z 220VAC PLU	843116
3Z	5A	LED indicator	220VAC	PCB Welding	NXJ/3Z(D) 220VAC PIN	843119
3Z	5A	-	220VAC	PCB Welding	NXJ/3Z 220VAC PIN	843117
4Z	3A	LED indicator, with arc shield	220VAC	Plug-in	NXJ/4Z(MD) 220VAC PLU	843126
4Z	3A	LED indicator	220VAC	Plug-in	NXJ/4Z(D) 220VAC PLU	843122
4Z	3A	arc shield	220VAC	Plug-in	NXJ/4Z(M) 220VAC PLU	843124
4Z	3A	-	220VAC	Plug-in	NXJ/4Z 220VAC PLU	843120
4Z	3A	LED indicator, with arc shield	220VAC	PCB Welding	NXJ/4Z(MD) 220VAC PIN	843127
4Z	3A	LED indicator	220VAC	PCB Welding	NXJ/4Z(D) 220VAC PIN	843123
4Z	3A	arc shield	220VAC	PCB Welding	NXJ/4Z(M) 220VAC PIN	843125
4Z	3A	-	220VAC	PCB Welding	NXJ/4Z 220VAC PIN	843121
2Z	5A	LED indicator and surge suppression	24VDC	Plug-in	NXJ/2Z(B) 24VDC PLU	843086
2Z	5A	LED indicator	24VDC	Plug-in	NXJ/2Z(D) 24VDC PLU	843084
2Z	5A	-	24VDC	Plug-in	NXJ/2Z 24VDC PLU	843082
2Z	5A	LED indicator and surge suppression	24VDC	PCB Welding	NXJ/2Z(B) 24VDC PIN	843087
2Z	5A	LED indicator	24VDC	PCB Welding	NXJ/2Z(D) 24VDC PIN	843085
2Z	5A	-	24VDC	PCB Welding	NXJ/2Z 24VDC PIN	843083
2Z	10A	LED indicator and surge suppression	24VDC	Plug-in	NXJ/2ZH(B) 24VDC PLU	843110
2Z	10A	LED indicator	24VDC	Plug-in	NXJ/2ZH(D) 24VDC PLU	843108
2Z	10A	-	24VDC	Plug-in	NXJ/2ZH 24VDC PLU	843106
2Z	10A	LED indicator and surge suppression	24VDC	PCB Welding	NXJ/2ZH(B) 24VDC PIN	843111
2Z	10A	LED indicator	24VDC	PCB Welding	NXJ/2ZH(D) 24VDC PIN	843109
2Z	10A	-	24VDC	PCB Welding	NXJ/2ZH 24VDC PIN	843107
3Z	5A	LED indicator and surge suppression	24VDC	Plug-in	NXJ/3Z(B) 24VDC PLU	843092
3Z	5A	LED indicator	24VDC	Plug-in	NXJ/3Z(D) 24VDC PLU	843090
3Z	5A	-	24VDC	Plug-in	NXJ/3Z 24VDC PLU	843088
3Z	5A	LED indicator and surge suppression	24VDC	PCB Welding	NXJ/3Z(B) 24VDC PIN	843093
3Z	5A	LED indicator	24VDC	PCB Welding	NXJ/3Z(D) 24VDC PIN	843091
3Z	5A	-	24VDC	PCB Welding	NXJ/3Z 24VDC PIN	843089
4Z	3A	LED indicator and surge suppression, with arc shield	24VDC	Plug-in	NXJ/4Z(MB) 24VDC PLU	843104
4Z	3A	LED indicator and surge suppression	24VDC	Plug-in	NXJ/4Z(B) 24VDC PLU	843098
4Z	3A	LED indicator, with arc shield	24VDC	Plug-in	NXJ/4Z(MD) 24VDC PLU	843102
4Z	3A	LED indicator	24VDC	Plug-in	NXJ/4Z(D) 24VDC PLU	843096
4Z	3A	arc shield	24VDC	Plug-in	NXJ/4Z(M) 24VDC PLU	843100
4Z	3A	-	24VDC	Plug-in	NXJ/4Z 24VDC PLU	843094
4Z	3A	LED indicator and surge suppression, with arc shield	24VDC	PCB Welding	NXJ/4Z(MB) 24VDC PIN	843105

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
4Z	3A	LED indicator and surge suppression	24VDC	PCB Welding	NXJ/4Z(B) 24VDC PIN	843099
4Z	3A	LED indicator, with arc shield	24VDC	PCB Welding	NXJ/4Z(MD) 24VDC PIN	843103
4Z	3A	LED indicator	24VDC	PCB Welding	NXJ/4Z(D) 24VDC PIN	843097
4Z	3A	arc shield	24VDC	PCB Welding	NXJ/4Z(M) 24VDC PIN	843101
4Z	3A	-	24VDC	PCB Welding	NXJ/4Z 24VDC PIN	843095
2Z	5A	-	100/110VAC	PCB Welding	NXJ/2Z 100/110VAC PIN	829818
2Z	5A	-	100/110VAC	Plug-in	NXJ/2Z 100/110VAC PLU	829805
2Z	5A	-	100/110VDC	PCB Welding	NXJ/2Z 100/110VDC PIN	829545
2Z	5A	-	100/110VDC	Plug-in	NXJ/2Z 100/110VDC PLU	829536
2Z	5A	-	110/120VAC	PCB Welding	NXJ/2Z 110/120VAC PIN	829819
2Z	5A	-	110/120VAC	Plug-in	NXJ/2Z 110/120VAC PLU	829806
2Z	5A	-		Plug-in		829537
2Z	5A	-	12VAC	PCB Welding	NXJ/2Z 12VAC PIN	829814
2Z	5A	-	12VAC	Plug-in	NXJ/2Z 12VAC PLU	829801
2Z	5A	-	12VDC	PCB Welding	NXJ/2Z 12VDC PIN	829541
2Z	5A	-	12VDC	Plug-in	NXJ/2Z 12VDC PLU	829532
2Z	5A	-	220VAC	PCB Welding	NXJ/2Z 220VAC PIN	829820
2Z	5A	-	220VAC	Plug-in	NXJ/2Z 220VAC PLU	829807
2Z	5A	-	220VDC	PCB Welding	NXJ/2Z 220VDC PIN	829547
2Z	5A	-	220VDC	Plug-in	NXJ/2Z 220VDC PLU	829538
2Z	5A	-	200/220VAC	PCB Welding	NXJ/2Z 200/220VAC PIN	829821
2Z	5A	-	200/220VAC	Plug-in	NXJ/2Z 200/220VAC PLU	829808
2Z	5A	-	220/240VAC	PCB Welding	NXJ/2Z 220/240VAC PIN	829822
2Z	5A	-	220/240VAC	Plug-in	NXJ/2Z 220/240VAC PLU	829809
2Z	5A	-	24VAC	PCB Welding	NXJ/2Z 24VAC PIN	829815
2Z	5A	-	24VAC	Plug-in	NXJ/2Z 24VAC PLU	829802
2Z	5A	-	24VDC	PCB Welding	NXJ/2Z 24VDC PIN	829542
2Z	5A	-	24VDC	Plug-in	NXJ/2Z 24VDC PLU	829533
2Z	5A	-	36VAC	PCB Welding	NXJ/2Z 36VAC PIN	829816
2Z	5A	-	36VAC	Plug-in	NXJ/2Z 36VAC PLU	829803
2Z	5A	-	36VDC	PCB Welding	NXJ/2Z 36VDC PIN	829543
2Z	5A	-	36VDC	Plug-in	NXJ/2Z 36VDC PLU	829534
2Z	5A	-	380VAC	PCB Welding	NXJ/2Z 380VAC PIN	829823
2Z	5A	-	380VAC	Plug-in	NXJ/2Z 380VAC PLU	829810
2Z	5A	-	48VAC	PCB Welding	NXJ/2Z 48VAC PIN	829817
2Z	5A	-	48VAC	Plug-in	NXJ/2Z 48VAC PLU	829804
2Z	5A	-	48VDC	PCB Welding	NXJ/2Z 48VDC PIN	829544
2Z	5A	-	48VDC	Plug-in	NXJ/2Z 48VDC PLU	829535
2Z	5A	-	5VDC	PCB Welding	NXJ/2Z 5VDC PIN	829539
2Z	5A	-	5VDC	Plug-in	NXJ/2Z 5VDC PLU	829530
2Z	5A	-	6VAC	PCB Welding	NXJ/2Z 6VAC PIN	829813
2Z	5A	-	6VAC	Plug-in	NXJ/2Z 6VAC PLU	829800
2Z	5A	-	6VDC	PCB Welding	NXJ/2Z 6VDC PIN	829540
2Z	5A	-	6VDC	Plug-in	NXJ/2Z 6VDC PLU	829531
2Z	5A	-	100/110VAC	Plug-in	NXJ/2Z 100/110VAC PLU	146686

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
2Z	5A	-	12VDC	Plug-in	NXJ/2Z 12VDC PLU	252645
2Z	5A	-	220VDC	Plug-in	NXJ/2Z 220VDC PLU	252646
2Z	5A	-	200/220VAC	Plug-in	NXJ/2Z 200/220VAC PLU	252668
2Z	5A	-	24VAC	Plug-in	NXJ/2Z 24VAC PLU	252663
2Z	5A	-	36VAC	Plug-in	NXJ/2Z 36VAC PLU	252665
2Z	5A	-	48VAC	Plug-in	NXJ/2Z 48VAC PLU	146684
2Z	10A	-	100/110VAC	PCB Welding	NXJ/2ZH 100/110VAC PIN	843048
2Z	10A	-	100/110VAC	Plug-in	NXJ/2ZH 100/110VAC PLU	843035
2Z	10A	-	100/110VDC	PCB Welding	NXJ/2ZH 100/110VDC PIN	829761
2Z	10A	-	100/110VDC	Plug-in	NXJ/2ZH 100/110VDC PLU	829752
2Z	10A	-	110/120VAC	PCB Welding	NXJ/2ZH 110/120VAC PIN	843049
2Z	10A	-	110/120VAC	Plug-in	NXJ/2ZH 110/120VAC PLU	843036
2Z	10A	-	12VAC	PCB Welding	NXJ/2ZH 12VAC PIN	843044
2Z	10A	-	12VAC	Plug-in	NXJ/2ZH 12VAC PLU	843031
2Z	10A	-	12VDC	Plug-in	NXJ/2ZH 12VDC PLU	293435
2Z	10A	-	12VDC	PCB Welding	NXJ/2ZH 12VDC PIN	829757
2Z	10A	-	12VDC	Plug-in	NXJ/2ZH 12VDC PLU	829748
2Z	10A	-	220VAC	PCB Welding	NXJ/2ZH 220VAC PIN	843050
2Z	10A	-	220VAC	Plug-in	NXJ/2ZH 220VAC PLU	843037
2Z	10A	-	220VDC	PCB Welding	NXJ/2ZH 220VDC PIN	829763
2Z	10A	-	220VDC	Plug-in	NXJ/2ZH 220VDC PLU	829754
2Z	10A	-	200/220VAC	PCB Welding	NXJ/2ZH 200/220VAC PIN	843051
2Z	10A	-	200/220VAC	Plug-in	NXJ/2ZH 200/220VAC PLU	843038
2Z	10A	-	220/240VAC	PCB Welding	NXJ/2ZH 220/240VAC PIN	843052
2Z	10A	-	220/240VAC	Plug-in	NXJ/2ZH 220/240VAC PLU	843039
2Z	10A	-	24VAC	PCB Welding	NXJ/2ZH 24VAC PIN	843045
2Z	10A	-	24VAC	Plug-in	NXJ/2ZH 24VAC PLU	843032
2Z	10A	-	24VDC	PCB Welding	NXJ/2ZH 24VDC PIN	829758
2Z	10A	-	24VDC	Plug-in	NXJ/2ZH 24VDC PLU	829749
2Z	10A	-	36VAC	PCB Welding	NXJ/2ZH 36VAC PIN	843046
2Z	10A	-	36VAC	Plug-in	NXJ/2ZH 36VAC PLU	843033
2Z	10A	-	36VDC	PCB Welding	NXJ/2ZH 36VDC PIN	829759
2Z	10A	-	36VDC	Plug-in	NXJ/2ZH 36VDC PLU	829750
2Z	10A	-	380VAC	PCB Welding	NXJ/2ZH 380VAC PIN	843053
2Z	10A	-	380VAC	Plug-in	NXJ/2ZH 380VAC PLU	843040
2Z	10A	-	48VAC	PCB Welding	NXJ/2ZH 48VAC PIN	843047
2Z	10A	-	48VAC	Plug-in	NXJ/2ZH 48VAC PLU	843034
2Z	10A	-	48VDC	PCB Welding	NXJ/2ZH 48VDC PIN	829760
2Z	10A	-	48VDC	Plug-in	NXJ/2ZH 48VDC PLU	829751
2Z	10A	-	5VDC	PCB Welding	NXJ/2ZH 5VDC PIN	829755
2Z	10A	-	5VDC	Plug-in	NXJ/2ZH 5VDC PLU	829746
2Z	10A	-	6VAC	PCB Welding	NXJ/2ZH 6VAC PIN	843043
2Z	10A	-	6VAC	Plug-in	NXJ/2ZH 6VAC PLU	843030
2Z	10A	-	6VDC	PCB Welding	NXJ/2ZH 6VDC PIN	829756
2Z	10A	-	6VDC	Plug-in	NXJ/2ZH 6VDC PLU	829747

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
2Z	10A	-	220VDC	Plug-in	NXJ/2ZH 220VDC PLU	252660
2Z	10A	-	24VAC	Plug-in	NXJ/2ZH 24VAC PLU	252689
2Z	10A	LED indicator and surge suppression	100/110VDC	PCB Welding	NXJ/2ZH(B) 100/110VDC PIN	829797
2Z	10A	LED indicator and surge suppression	100/110VDC	Plug-in	NXJ/2ZH(B) 100/110VDC PLU	829788
2Z	10A	LED indicator and surge suppression	12VDC	PCB Welding	NXJ/2ZH(B) 12VDC PIN	829793
2Z	10A	LED indicator and surge suppression	12VDC	Plug-in	NXJ/2ZH(B) 12VDC PLU	829784
2Z	10A	LED indicator and surge suppression	220VDC	PCB Welding	NXJ/2ZH(B) 220VDC PIN	829799
2Z	10A	LED indicator and surge suppression	220VDC	Plug-in	NXJ/2ZH(B) 220VDC PLU	829790
2Z	10A	LED indicator and surge suppression	24VDC	PCB Welding	NXJ/2ZH(B) 24VDC PIN	829794
2Z	10A	LED indicator and surge suppression	24VDC	Plug-in	NXJ/2ZH(B) 24VDC PLU	829785
2Z	10A	LED indicator and surge suppression	36VDC	PCB Welding	NXJ/2ZH(B) 36VDC PIN	829795
2Z	10A	LED indicator and surge suppression	36VDC	Plug-in	NXJ/2ZH(B) 36VDC PLU	829786
2Z	10A	LED indicator and surge suppression	48VDC	PCB Welding	NXJ/2ZH(B) 48VDC PIN	829796
2Z	10A	LED indicator and surge suppression	48VDC	Plug-in	NXJ/2ZH(B) 48VDC PLU	829787
2Z	10A	LED indicator and surge suppression	5VDC	PCB Welding	NXJ/2ZH(B) 5VDC PIN	829791
2Z	10A	LED indicator and surge suppression	5VDC	Plug-in	NXJ/2ZH(B) 5VDC PLU	829782
2Z	10A	LED indicator and surge suppression	6VDC	PCB Welding	NXJ/2ZH(B) 6VDC PIN	829792
2Z	10A	LED indicator and surge suppression	6VDC	Plug-in	NXJ/2ZH(B) 6VDC PLU	829783
2Z	10A	LED indicator and surge suppression	220VDC	Plug-in	NXJ/2ZH(B) 220VDC PLU	252662
2Z	10A	LED indicator	100/110VAC	PCB Welding	NXJ/2ZH(D) 100/110VAC PIN	843074
2Z	10A	LED indicator	100/110VAC	Plug-in	NXJ/2ZH(D) 100/110VAC PLU	843061
2Z	10A	LED indicator	100/110VDC	PCB Welding	NXJ/2ZH(D) 100/110VDC PIN	829779
2Z	10A	LED indicator	100/110VDC	Plug-in	NXJ/2ZH(D) 100/110VDC PLU	829770
2Z	10A	LED indicator	110/120VAC	PCB Welding	NXJ/2ZH(D) 110/120VAC PIN	843075
2Z	10A	LED indicator	110/120VAC	Plug-in	NXJ/2ZH(D) 110/120VAC PLU	843062
2Z	10A	LED indicator	12VAC	PCB Welding	NXJ/2ZH(D) 12VAC PIN	843070
2Z	10A	LED indicator	12VAC	Plug-in	NXJ/2ZH(D) 12VAC PLU	843057
2Z	10A	LED indicator	12VDC	PCB Welding	NXJ/2ZH(D) 12VDC PIN	829775
2Z	10A	LED indicator	12VDC	Plug-in	NXJ/2ZH(D) 12VDC PLU	829766
2Z	10A	LED indicator	220VAC	PCB Welding	NXJ/2ZH(D) 220VAC PIN	843076
2Z	10A	LED indicator	220VAC	Plug-in	NXJ/2ZH(D) 220VAC PLU	843063
2Z	10A	LED indicator	220VDC	PCB Welding	NXJ/2ZH(D) 220VDC PIN	829781
2Z	10A	LED indicator	220VDC	Plug-in	NXJ/2ZH(D) 220VDC PLU	829772
2Z	10A	LED indicator	200/220VAC	PCB Welding	NXJ/2ZH(D) 200/220VAC PIN	843077
2Z	10A	LED indicator	200/220VAC	Plug-in	NXJ/2ZH(D) 200/220VAC PLU	843064
2Z	10A	LED indicator	220/240VAC	PCB Welding	NXJ/2ZH(D) 220/240VAC PIN	843078
2Z	10A	LED indicator	220/240VAC	Plug-in	NXJ/2ZH(D) 220/240VAC PLU	843065
2Z	10A	LED indicator	24VAC	PCB Welding	NXJ/2ZH(D) 24VAC PIN	843071
2Z	10A	LED indicator	24VAC	Plug-in	NXJ/2ZH(D) 24VAC PLU	843058
2Z	10A	LED indicator	24VDC	PCB Welding	NXJ/2ZH(D) 24VDC PIN	829776
2Z	10A	LED indicator	24VDC	Plug-in	NXJ/2ZH(D) 24VDC PLU	829767
2Z	10A	LED indicator	36VAC	PCB Welding	NXJ/2ZH(D) 36VAC PIN	843072
2Z	10A	LED indicator	36VAC	Plug-in	NXJ/2ZH(D) 36VAC PLU	843059
2Z	10A	LED indicator	36VDC	PCB Welding	NXJ/2ZH(D) 36VDC PIN	829777
2Z	10A	LED indicator	36VDC	Plug-in	NXJ/2ZH(D) 36VDC PLU	829768

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
2Z	10A	LED indicator	380VAC	PCB Welding	NXJ/2ZH(D) 380VAC PIN	843079
2Z	10A	LED indicator	380VAC	Plug-in	NXJ/2ZH(D) 380VAC PLU	843066
2Z	10A	LED indicator	48VAC	PCB Welding	NXJ/2ZH(D) 48VAC PIN	843073
2Z	10A	LED indicator	48VAC	Plug-in	NXJ/2ZH(D) 48VAC PLU	843060
2Z	10A	LED indicator	48VDC	PCB Welding	NXJ/2ZH(D) 48VDC PIN	829778
2Z	10A	LED indicator	48VDC	Plug-in	NXJ/2ZH(D) 48VDC PLU	829769
2Z	10A	LED indicator	5VDC	PCB Welding	NXJ/2ZH(D) 5VDC PIN	829773
2Z	10A	LED indicator	5VDC	Plug-in	NXJ/2ZH(D) 5VDC PLU	829764
2Z	10A	LED indicator	6VAC	PCB Welding	NXJ/2ZH(D) 6VAC PIN	843069
2Z	10A	LED indicator	6VAC	Plug-in	NXJ/2ZH(D) 6VAC PLU	843056
2Z	10A	LED indicator	6VDC	PCB Welding	NXJ/2ZH(D) 6VDC PIN	829774
2Z	10A	LED indicator	6VDC	Plug-in	NXJ/2ZH(D) 6VDC PLU	829765
2Z	10A	LED indicator	220VDC	Plug-in	NXJ/2ZH(D) 220VDC PLU	252661
2Z	5A	LED indicator and surge suppression	100/110VDC	PCB Welding	NXJ/2Z(B) 100/110VDC PIN	829581
2Z	5A	LED indicator and surge suppression	100/110VDC	Plug-in	NXJ/2Z(B) 100/110VDC PLU	829572
2Z	5A	LED indicator and surge suppression	12VDC	PCB Welding	NXJ/2Z(B) 12VDC PIN	829577
2Z	5A	LED indicator and surge suppression	12VDC	Plug-in	NXJ/2Z(B) 12VDC PLU	829568
2Z	5A	LED indicator and surge suppression	220VDC	PCB Welding	NXJ/2Z(B) 220VDC PIN	829583
2Z	5A	LED indicator and surge suppression	220VDC	Plug-in	NXJ/2Z(B) 220VDC PLU	829574
2Z	5A	LED indicator and surge suppression	24VDC	PCB Welding	NXJ/2Z(B) 24VDC PIN	829578
2Z	5A	LED indicator and surge suppression	24VDC	Plug-in	NXJ/2Z(B) 24VDC PLU	829569
2Z	5A	LED indicator and surge suppression	36VDC	PCB Welding	NXJ/2Z(B) 36VDC PIN	829579
2Z	5A	LED indicator and surge suppression	36VDC	Plug-in	NXJ/2Z(B) 36VDC PLU	829570
2Z	5A	LED indicator and surge suppression	48VDC	PCB Welding	NXJ/2Z(B) 48VDC PIN	829580
2Z	5A	LED indicator and surge suppression	48VDC	Plug-in	NXJ/2Z(B) 48VDC PLU	829571
2Z	5A	LED indicator and surge suppression	5VDC	PCB Welding	NXJ/2Z(B) 5VDC PIN	829575
2Z	5A	LED indicator and surge suppression	5VDC	Plug-in	NXJ/2Z(B) 5VDC PLU	829566
2Z	5A	LED indicator and surge suppression	6VDC	PCB Welding	NXJ/2Z(B) 6VDC PIN	829576
2Z	5A	LED indicator and surge suppression	6VDC	Plug-in	NXJ/2Z(B) 6VDC PLU	829567
2Z	5A	LED indicator and surge suppression	220VDC	Plug-in	NXJ/2Z(B) 220VDC PLU	252649
2Z	5A	LED indicator	100/110VAC	PCB Welding	NXJ/2Z(D) 100/110VAC PIN	829844
2Z	5A	LED indicator	100/110VAC	Plug-in	NXJ/2Z(D) 100/110VAC PLU	829831
2Z	5A	LED indicator	100/110VDC	PCB Welding	NXJ/2Z(D) 100/110VDC PIN	829563
2Z	5A	LED indicator	100/110VDC	Plug-in	NXJ/2Z(D) 100/110VDC PLU	829554
2Z	5A	LED indicator	110/120VAC	PCB Welding	NXJ/2Z(D) 110/120VAC PIN	829845
2Z	5A	LED indicator	110/120VAC	Plug-in	NXJ/2Z(D) 110/120VAC PLU	829832
2Z	5A	LED indicator	12VAC	PCB Welding	NXJ/2Z(D) 12VAC PIN	829840
2Z	5A	LED indicator	12VAC	Plug-in	NXJ/2Z(D) 12VAC PLU	829827
2Z	5A	LED indicator	12VDC	PCB Welding	NXJ/2Z(D) 12VDC PIN	829559
2Z	5A	LED indicator	12VDC	Plug-in	NXJ/2Z(D) 12VDC PLU	829550
2Z	5A	LED indicator	220VAC	PCB Welding	NXJ/2Z(D) 220VAC PIN	829846
2Z	5A	LED indicator	220VAC	Plug-in	NXJ/2Z(D) 220VAC PLU	829833
2Z	5A	LED indicator	220VDC	PCB Welding	NXJ/2Z(D) 220VDC PIN	829565
2Z	5A	LED indicator	220VDC	Plug-in	NXJ/2Z(D) 220VDC PLU	829556
2Z	5A	LED indicator	200/220VAC	PCB Welding	NXJ/2Z(D) 200/220VAC PIN	829847
2Z	5A	LED indicator	200/220VAC	Plug-in	NXJ/2Z(D) 200/220VAC PLU	829834
2Z	5A	LED indicator	220/240VAC	PCB Welding	NXJ/2Z(D) 220/240VAC PIN	829848
2Z	5A	LED indicator	220/240VAC	Plug-in	NXJ/2Z(D) 220/240VAC PLU	829835
2Z	5A	LED indicator	24VAC	PCB Welding	NXJ/2Z(D) 24VAC PIN	829841
2Z	5A	LED indicator	24VAC	Plug-in	NXJ/2Z(D) 24VAC PLU	829828
2Z	5A	LED indicator	24VDC	PCB Welding	NXJ/2Z(D) 24VDC PIN	829560
2Z	5A	LED indicator	24VDC	Plug-in	NXJ/2Z(D) 24VDC PLU	829551
2Z	5A	LED indicator	36VAC	PCB Welding	NXJ/2Z(D) 36VAC PIN	829842
2Z	5A	LED indicator	36VAC	Plug-in	NXJ/2Z(D) 36VAC PLU	829829
2Z	5A	LED indicator	36VDC	PCB Welding	NXJ/2Z(D) 36VDC PIN	829561
2Z	5A	LED indicator	36VDC	Plug-in	NXJ/2Z(D) 36VDC PLU	829552
2Z	5A	LED indicator	380VAC	PCB Welding	NXJ/2Z(D) 380VAC PIN	829849
2Z	5A	LED indicator	380VAC	Plug-in	NXJ/2Z(D) 380VAC PLU	829836
2Z	5A	LED indicator	48VAC	PCB Welding	NXJ/2Z(D) 48VAC PIN	829843
2Z	5A	LED indicator	48VAC	Plug-in	NXJ/2Z(D) 48VAC PLU	829830
2Z	5A	LED indicator	48VDC	PCB Welding	NXJ/2Z(D) 48VDC PIN	829562
2Z	5A	LED indicator	48VDC	Plug-in	NXJ/2Z(D) 48VDC PLU	829553
2Z	5A	LED indicator	5VDC	PCB Welding	NXJ/2Z(D) 5VDC PIN	829557
2Z	5A	LED indicator	5VDC	Plug-in	NXJ/2Z(D) 5VDC PLU	829548
2Z	5A	LED indicator	6VAC	PCB Welding	NXJ/2Z(D) 6VAC PIN	829839
2Z	5A	LED indicator	6VAC	Plug-in	NXJ/2Z(D) 6VAC PLU	829826
2Z	5A	LED indicator	6VDC	PCB Welding	NXJ/2Z(D) 6VDC PIN	829558
2Z	5A	LED indicator	6VDC	Plug-in	NXJ/2Z(D) 6VDC PLU	829549
2Z	5A	LED indicator	110/120VAC	Plug-in	NXJ/2Z(D) 110/120VAC PLU	252667
2Z	5A	LED indicator	12VAC	Plug-in	NXJ/2Z(D) 12VAC PLU	252664
2Z	5A	LED indicator	12VDC	Plug-in	NXJ/2Z(D) 12VDC PLU	252647
2Z	5A	LED indicator	220VDC	Plug-in	NXJ/2Z(D) 220VDC PLU	252648
2Z	5A	LED indicator	200/220VAC	Plug-in	NXJ/2Z(D) 200/220VAC PLU	843132
2Z	5A	LED indicator	220/240VAC	Plug-in	NXJ/2Z(D) 220/240VAC PLU	252669
2Z	5A	LED indicator	24VAC	Plug-in	NXJ/2Z(D) 24VAC PLU	843133
2Z	5A	LED indicator	36VAC	Plug-in	NXJ/2Z(D) 36VAC PLU	252666
3Z	5A	-	100/110VAC	PCB Welding	NXJ/3Z 100/110VAC PIN	829870
3Z	5A	-	100/110VAC	Plug-in	NXJ/3Z 100/110VAC PLU	829857
3Z	5A	-	100/110VDC	PCB Welding	NXJ/3Z 100/110VDC PIN	829599
3Z	5A	-	100/110VDC	Plug-in	NXJ/3Z 100/110VDC PLU	829590
3Z	5A	-	110/120VAC	PCB Welding	NXJ/3Z 110/120VAC PIN	829871
3Z	5A	-	110/120VAC	Plug-in	NXJ/3Z 110/120VAC PLU	829858
3Z	5A	-	12VAC	PCB Welding	NXJ/3Z 12VAC PIN	829866
3Z	5A	-	12VAC	Plug-in	NXJ/3Z 12VAC PLU	829853
3Z	5A	-	12VDC	PCB Welding	NXJ/3Z 12VDC PIN	829595
3Z	5A	-	12VDC	Plug-in	NXJ/3Z 12VDC PLU	829586
3Z	5A	-	12VDC	Plug-in	NXJ/3Z 12VDC PLU	293434
3Z	5A	-	220VAC	PCB Welding	NXJ/3Z 220VAC PIN	829872
3Z	5A	-	220VAC	Plug-in	NXJ/3Z 220VAC PLU	829859
3Z	5A	-	220VDC	PCB Welding	NXJ/3Z 220VDC PIN	829601

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
3Z	5A	-	220VDC	Plug-in	NXJ/3Z 220VDC PLU	829592
3Z	5A	-	200/220VAC	PCB Welding	NXJ/3Z 200/220VAC PIN	829873
3Z	5A	-	200/220VAC	Plug-in	NXJ/3Z 200/220VAC PLU	829860
3Z	5A	-	220/240VAC	PCB Welding	NXJ/3Z 220/240VAC PIN	829874
3Z	5A	-	220/240VAC	Plug-in	NXJ/3Z 220/240VAC PLU	829861
3Z	5A	-	24VAC	PCB Welding	NXJ/3Z 24VAC PIN	829867
3Z	5A	-	24VAC	Plug-in	NXJ/3Z 24VAC PLU	829854
3Z	5A	-	24VDC	PCB Welding	NXJ/3Z 24VDC PIN	829596
3Z	5A	-	24VDC	Plug-in	NXJ/3Z 24VDC PLU	829587
3Z	5A	-	36VAC	PCB Welding	NXJ/3Z 36VAC PIN	829868
3Z	5A	-	36VAC	Plug-in	NXJ/3Z 36VAC PLU	829855
3Z	5A	-	36VDC	PCB Welding	NXJ/3Z 36VDC PIN	829597
3Z	5A	-	36VDC	Plug-in	NXJ/3Z 36VDC PLU	829588
3Z	5A	-	380VAC	PCB Welding	NXJ/3Z 380VAC PIN	829875
3Z	5A	-	380VAC	Plug-in	NXJ/3Z 380VAC PLU	829862
3Z	5A	-	48VAC	PCB Welding	NXJ/3Z 48VAC PIN	829869
3Z	5A	-	48VAC	Plug-in	NXJ/3Z 48VAC PLU	829856
3Z	5A	-	48VDC	PCB Welding	NXJ/3Z 48VDC PIN	829598
3Z	5A	-	48VDC	Plug-in	NXJ/3Z 48VDC PLU	829589
3Z	5A	-	5VDC	PCB Welding	NXJ/3Z 5VDC PIN	829593
3Z	5A	-	5VDC	Plug-in	NXJ/3Z 5VDC PLU	829584
3Z	5A	-	6VAC	PCB Welding	NXJ/3Z 6VAC PIN	829865
3Z	5A	-	6VAC	Plug-in	NXJ/3Z 6VAC PLU	829852
3Z	5A	-	6VDC	PCB Welding	NXJ/3Z 6VDC PIN	829594
3Z	5A	-	6VDC	Plug-in	NXJ/3Z 6VDC PLU	829585
3Z	5A	-	100/110VAC	Plug-in	NXJ/3Z 100/110VAC PLU	252673
3Z	5A	-	12VAC	Plug-in	NXJ/3Z 12VAC PLU	252670
3Z	5A	-	200/220VAC	Plug-in	NXJ/3Z 200/220VAC PLU	252674
3Z	5A	-	24VAC	Plug-in	NXJ/3Z 24VAC PLU	252671
3Z	5A	-	48VAC	Plug-in	NXJ/3Z 48VAC PLU	252672
3Z	5A	LED indicator and surge suppression	100/110VDC	PCB Welding	NXJ/3Z(B) 100/110VDC PIN	829635
3Z	5A	LED indicator and surge suppression	100/110VDC	Plug-in	NXJ/3Z(B) 100/110VDC PLU	829626
3Z	5A	LED indicator and surge suppression	12VDC	PCB Welding	NXJ/3Z(B) 12VDC PIN	829631
3Z	5A	LED indicator and surge suppression	12VDC	Plug-in	NXJ/3Z(B) 12VDC PLU	829622
3Z	5A	LED indicator and surge suppression	220VDC	PCB Welding	NXJ/3Z(B) 220VDC PIN	829637
3Z	5A	LED indicator and surge suppression	220VDC	Plug-in	NXJ/3Z(B) 220VDC PLU	829628
3Z	5A	LED indicator and surge suppression	24VDC	PCB Welding	NXJ/3Z(B) 24VDC PIN	829632
3Z	5A	LED indicator and surge suppression	24VDC	Plug-in	NXJ/3Z(B) 24VDC PLU	829623
3Z	5A	LED indicator and surge suppression	36VDC	PCB Welding	NXJ/3Z(B) 36VDC PIN	829633
3Z	5A	LED indicator and surge suppression	36VDC	Plug-in	NXJ/3Z(B) 36VDC PLU	829624
3Z	5A	LED indicator and surge suppression	48VDC	PCB Welding	NXJ/3Z(B) 48VDC PIN	829634
3Z	5A	LED indicator and surge suppression	48VDC	Plug-in	NXJ/3Z(B) 48VDC PLU	829625
3Z	5A	LED indicator and surge suppression	5VDC	PCB Welding	NXJ/3Z(B) 5VDC PIN	829629
3Z	5A	LED indicator and surge suppression	5VDC	Plug-in	NXJ/3Z(B) 5VDC PLU	829620
3Z	5A	LED indicator and surge suppression	6VDC	PCB Welding	NXJ/3Z(B) 6VDC PIN	829630

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
3Z	5A	LED indicator and surge suppression	6VDC	Plug-in	NXJ/3Z(B) 6VDC PLU	829621
3Z	5A	LED indicator and surge suppression	220VDC	Plug-in	NXJ/3Z(B) 220VDC PLU	252652
3Z	5A	LED indicator	100/110VAC	PCB Welding	NXJ/3Z(D) 100/110VAC PIN	829896
3Z	5A	LED indicator	100/110VAC	Plug-in	NXJ/3Z(D) 100/110VAC PLU	829883
3Z	5A	LED indicator	100/110VDC	PCB Welding	NXJ/3Z(D) 100/110VDC PIN	829617
3Z	5A	LED indicator	100/110VDC	Plug-in	NXJ/3Z(D) 100/110VDC PLU	829608
3Z	5A	LED indicator	110/120VAC	PCB Welding	NXJ/3Z(D) 110/120VAC PIN	829897
3Z	5A	LED indicator	110/120VAC	Plug-in	NXJ/3Z(D) 110/120VAC PLU	829884
3Z	5A	LED indicator	12VAC	PCB Welding	NXJ/3Z(D) 12VAC PIN	829892
3Z	5A	LED indicator	12VAC	Plug-in	NXJ/3Z(D) 12VAC PLU	829879
3Z	5A	LED indicator	12VDC	PCB Welding	NXJ/3Z(D) 12VDC PIN	829613
3Z	5A	LED indicator	12VDC	Plug-in	NXJ/3Z(D) 12VDC PLU	829604
3Z	5A	LED indicator	220VAC	PCB Welding	NXJ/3Z(D) 220VAC PIN	829898
3Z	5A	LED indicator	220VAC	Plug-in	NXJ/3Z(D) 220VAC PLU	829885
3Z	5A	LED indicator	220VDC	PCB Welding	NXJ/3Z(D) 220VDC PIN	829619
3Z	5A	LED indicator	220VDC	Plug-in	NXJ/3Z(D) 220VDC PLU	829610
3Z	5A	LED indicator	200/220VAC	PCB Welding	NXJ/3Z(D) 200/220VAC PIN	829899
3Z	5A	LED indicator	200/220VAC	Plug-in	NXJ/3Z(D) 200/220VAC PLU	829886
3Z	5A	LED indicator	220/240VAC	PCB Welding	NXJ/3Z(D) 220/240VAC PIN	829900
3Z	5A	LED indicator	220/240VAC	Plug-in	NXJ/3Z(D) 220/240VAC PLU	829887
3Z	5A	LED indicator	24VAC	PCB Welding	NXJ/3Z(D) 24VAC PIN	829893
3Z	5A	LED indicator	24VAC	Plug-in	NXJ/3Z(D) 24VAC PLU	829880
3Z	5A	LED indicator	24VDC	PCB Welding	NXJ/3Z(D) 24VDC PIN	829614
3Z	5A	LED indicator	24VDC	Plug-in	NXJ/3Z(D) 24VDC PLU	829605
3Z	5A	LED indicator	36VAC	PCB Welding	NXJ/3Z(D) 36VAC PIN	829894
3Z	5A	LED indicator	36VAC	Plug-in	NXJ/3Z(D) 36VAC PLU	829881
3Z	5A	LED indicator	36VDC	PCB Welding	NXJ/3Z(D) 36VDC PIN	829615
3Z	5A	LED indicator	36VDC	Plug-in	NXJ/3Z(D) 36VDC PLU	829606
3Z	5A	LED indicator	380VAC	PCB Welding	NXJ/3Z(D) 380VAC PIN	829901
3Z	5A	LED indicator	380VAC	Plug-in	NXJ/3Z(D) 380VAC PLU	829888
3Z	5A	LED indicator	48VAC	PCB Welding	NXJ/3Z(D) 48VAC PIN	829895
3Z	5A	LED indicator	48VAC	Plug-in	NXJ/3Z(D) 48VAC PLU	829882
3Z	5A	LED indicator	48VDC	PCB Welding	NXJ/3Z(D) 48VDC PIN	829616
3Z	5A	LED indicator	48VDC	Plug-in	NXJ/3Z(D) 48VDC PLU	829607
3Z	5A	LED indicator	5VDC	PCB Welding	NXJ/3Z(D) 5VDC PIN	829611
3Z	5A	LED indicator	5VDC	Plug-in	NXJ/3Z(D) 5VDC PLU	829602
3Z	5A	LED indicator	6VAC	PCB Welding	NXJ/3Z(D) 6VAC PIN	829891
3Z	5A	LED indicator	6VAC	Plug-in	NXJ/3Z(D) 6VAC PLU	829878
3Z	5A	LED indicator	6VDC	PCB Welding	NXJ/3Z(D) 6VDC PIN	829612
3Z	5A	LED indicator	6VDC	Plug-in	NXJ/3Z(D) 6VDC PLU	829603
3Z	5A	LED indicator	110/120VAC	Plug-in	NXJ/3Z(D) 110/120VAC PLU	252677
3Z	5A	LED indicator	12VAC	Plug-in	NXJ/3Z(D) 12VAC PLU	252675
3Z	5A	LED indicator	12VDC	Plug-in	NXJ/3Z(D) 12VDC PLU	252650
3Z	5A	LED indicator	220VDC	Plug-in	NXJ/3Z(D) 220VDC PLU	252651
3Z	5A	LED indicator	200/220VAC	Plug-in	NXJ/3Z(D) 200/220VAC PLU	252678

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
3Z	5A	LED indicator	220/240VAC	Plug-in	NXJ/3Z(D) 220/240VAC PLU	252679
3Z	5A	LED indicator	24VAC	Plug-in	NXJ/3Z(D) 24VAC PLU	252676
4Z	3A	-	100/110VAC	PCB Welding	NXJ/4Z 100/110VAC PIN	829922
4Z	3A	-	100/110VAC	Plug-in	NXJ/4Z 100/110VAC PLU	829909
4Z	3A	-	100/110VDC	PCB Welding	NXJ/4Z 100/110VDC PIN	829653
4Z	3A	-	100/110VDC	Plug-in	NXJ/4Z 100/110VDC PLU	829644
4Z	3A	-	110/120VAC	PCB Welding	NXJ/4Z 110/120VAC PIN	829923
4Z	3A	-	110/120VAC	Plug-in	NXJ/4Z 110/120VAC PLU	829910
4Z	3A	-	12VAC	PCB Welding	NXJ/4Z 12VAC PIN	829918
4Z	3A	-	12VAC	Plug-in	NXJ/4Z 12VAC PLU	829905
4Z	3A	-	12VDC	PCB Welding	NXJ/4Z 12VDC PIN	829649
4Z	3A	-	12VDC	Plug-in	NXJ/4Z 12VDC PLU	829640
4Z	3A	-	220VAC	PCB Welding	NXJ/4Z 220VAC PIN	829924
4Z	3A	-	220VAC	Plug-in	NXJ/4Z 220VAC PLU	829911
4Z	3A	-	220VDC	PCB Welding	NXJ/4Z 220VDC PIN	829655
4Z	3A	-	220VDC	Plug-in	NXJ/4Z 220VDC PLU	829646
4Z	3A	-	200/220VAC	PCB Welding	NXJ/4Z 200/220VAC PIN	829925
4Z	3A	-	200/220VAC	Plug-in	NXJ/4Z 200/220VAC PLU	829912
4Z	3A	-	220/240VAC	PCB Welding	NXJ/4Z 220/240VAC PIN	829926
4Z	3A	-	220/240VAC	Plug-in	NXJ/4Z 220/240VAC PLU	829913
4Z	3A	-	24VAC	PCB Welding	NXJ/4Z 24VAC PIN	829919
4Z	3A	-	24VAC	Plug-in	NXJ/4Z 24VAC PLU	829906
4Z	3A	-	24VDC	PCB Welding	NXJ/4Z 24VDC PIN	829650
4Z	3A	-	24VDC	Plug-in	NXJ/4Z 24VDC PLU	829641
4Z	3A	-	36VAC	PCB Welding	NXJ/4Z 36VAC PIN	829920
4Z	3A	-	36VAC	Plug-in	NXJ/4Z 36VAC PLU	829907
4Z	3A	-	36VDC	PCB Welding	NXJ/4Z 36VDC PIN	829651
4Z	3A	-	36VDC	Plug-in	NXJ/4Z 36VDC PLU	829642
4Z	3A	-	380VAC	PCB Welding	NXJ/4Z 380VAC PIN	829927
4Z	3A	-	380VAC	Plug-in	NXJ/4Z 380VAC PLU	829914
4Z	3A	-	48VAC	PCB Welding	NXJ/4Z 48VAC PIN	829921
4Z	3A	-	48VAC	Plug-in	NXJ/4Z 48VAC PLU	829908
4Z	3A	-	48VDC	PCB Welding	NXJ/4Z 48VDC PIN	829652
4Z	3A	-	48VDC	Plug-in	NXJ/4Z 48VDC PLU	829643
4Z	3A	-	5VDC	PCB Welding	NXJ/4Z 5VDC PIN	829647
4Z	3A	-	5VDC	Plug-in	NXJ/4Z 5VDC PLU	829638
4Z	3A	-	6VAC	PCB Welding	NXJ/4Z 6VAC PIN	829917
4Z	3A	-	6VAC	Plug-in	NXJ/4Z 6VAC PLU	829904
4Z	3A	-	6VDC	PCB Welding	NXJ/4Z 6VDC PIN	829648
4Z	3A	-	6VDC	Plug-in	NXJ/4Z 6VDC PLU	829639
4Z	3A	-	100/110VAC	Plug-in	NXJ/4Z 100/110VAC PLU	146687
4Z	3A	-	12VAC	Plug-in	NXJ/4Z 12VAC PLU	252680
4Z	3A	-	12VDC	Plug-in	NXJ/4Z 12VDC PLU	252653
4Z	3A	-	220VDC	Plug-in	NXJ/4Z 220VDC PLU	252654
4Z	3A	-	200/220VAC	Plug-in	NXJ/4Z 200/220VAC PLU	252687

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
4Z	3A	-	24VAC	Plug-in	NXJ/4Z 24VAC PLU	252681
4Z	3A	-	36VAC	Plug-in	NXJ/4Z 36VAC PLU	252682
4Z	3A	-	48VAC	Plug-in	NXJ/4Z 48VAC PLU	146685
4Z	3A	LED indicator and surge suppression	100/110VDC	PCB Welding	NXJ/4Z(B) 100/110VDC PIN	829689
4Z	3A	LED indicator and surge suppression	100/110VDC	Plug-in	NXJ/4Z(B) 100/110VDC PLU	829680
4Z	3A	LED indicator and surge suppression	12VDC	PCB Welding	NXJ/4Z(B) 12VDC PIN	829685
4Z	3A	LED indicator and surge suppression	12VDC	Plug-in	NXJ/4Z(B) 12VDC PLU	829676
4Z	3A	LED indicator and surge suppression	220VDC	PCB Welding	NXJ/4Z(B) 220VDC PIN	829691
4Z	3A	LED indicator and surge suppression	220VDC	Plug-in	NXJ/4Z(B) 220VDC PLU	829682
4Z	3A	LED indicator and surge suppression	24VDC	PCB Welding	NXJ/4Z(B) 24VDC PIN	829686
4Z	3A	LED indicator and surge suppression	24VDC	Plug-in	NXJ/4Z(B) 24VDC PLU	829677
4Z	3A	LED indicator and surge suppression	36VDC	PCB Welding	NXJ/4Z(B) 36VDC PIN	829687
4Z	3A	LED indicator and surge suppression	36VDC	Plug-in	NXJ/4Z(B) 36VDC PLU	829678
4Z	3A	LED indicator and surge suppression	48VDC	PCB Welding	NXJ/4Z(B) 48VDC PIN	829688
4Z	3A	LED indicator and surge suppression	48VDC	Plug-in	NXJ/4Z(B) 48VDC PLU	829679
4Z	3A	LED indicator and surge suppression	5VDC	PCB Welding	NXJ/4Z(B) 5VDC PIN	829683
4Z	3A	LED indicator and surge suppression	5VDC	Plug-in	NXJ/4Z(B) 5VDC PLU	829674
4Z	3A	LED indicator and surge suppression	6VDC	PCB Welding	NXJ/4Z(B) 6VDC PIN	829684
4Z	3A	LED indicator and surge suppression	6VDC	Plug-in	NXJ/4Z(B) 6VDC PLU	829675
4Z	3A	LED indicator and surge suppression	12VDC	Plug-in	NXJ/4Z(B) 12VDC PLU	252658
4Z	3A	LED indicator and surge suppression	220VDC	Plug-in	NXJ/4Z(B) 220VDC PLU	252659
4Z	3A	LED indicator and surge suppression, with arc shield	100/110VDC	PCB Welding	NXJ/4Z(MB) 100/110VDC PIN	829743
4Z	3A	LED indicator and surge suppression, with arc shield	100/110VDC	Plug-in	NXJ/4Z(MB) 100/110VDC PLU	829734
4Z	3A	LED indicator and surge suppression, with arc shield	12VDC	PCB Welding	NXJ/4Z(MB) 12VDC PIN	829739
4Z	3A	LED indicator and surge suppression, with arc shield	12VDC	Plug-in	NXJ/4Z(MB) 12VDC PLU	829730
4Z	3A	LED indicator and surge suppression, with arc shield	220VDC	PCB Welding	NXJ/4Z(MB) 220VDC PIN	829745
4Z	3A	LED indicator and surge suppression, with arc shield	220VDC	Plug-in	NXJ/4Z(MB) 220VDC PLU	829736
4Z	3A	LED indicator and surge suppression, with arc shield	24VDC	PCB Welding	NXJ/4Z(MB) 24VDC PIN	829740
4Z	3A	LED indicator and surge suppression, with arc shield	24VDC	Plug-in	NXJ/4Z(MB) 24VDC PLU	829731
4Z	3A	LED indicator and surge suppression, with arc shield	36VDC	PCB Welding	NXJ/4Z(MB) 36VDC PIN	829741
4Z	3A	LED indicator and surge suppression, with arc shield	36VDC	Plug-in	NXJ/4Z(MB) 36VDC PLU	829732
4Z	3A	LED indicator and surge suppression, with arc shield	48VDC	PCB Welding	NXJ/4Z(MB) 48VDC PIN	829742
4Z	3A	LED indicator and surge suppression, with arc shield	48VDC	Plug-in	NXJ/4Z(MB) 48VDC PLU	829733
4Z	3A	LED indicator and surge suppression, with arc shield	5VDC	PCB Welding	NXJ/4Z(MB) 5VDC PIN	829737
4Z	3A	LED indicator and surge suppression, with arc shield	5VDC	Plug-in	NXJ/4Z(MB) 5VDC PLU	829728
4Z	3A	LED indicator and surge suppression, with arc shield	6VDC	PCB Welding	NXJ/4Z(MB) 6VDC PIN	829738
4Z	3A	LED indicator and surge suppression, with arc shield	6VDC	Plug-in	NXJ/4Z(MB) 6VDC PLU	829729
4Z	3A	LED indicator	100/110VAC	PCB Welding	NXJ/4Z(D) 100/110VAC PIN	829948
4Z	3A	LED indicator	100/110VAC	Plug-in	NXJ/4Z(D) 100/110VAC PLU	829935
4Z	3A	LED indicator	100/110VDC	PCB Welding	NXJ/4Z(D) 100/110VDC PIN	829671
4Z	3A	LED indicator	100/110VDC	Plug-in	NXJ/4Z(D) 100/110VDC PLU	829662
4Z	3A	LED indicator	110/120VAC	PCB Welding	NXJ/4Z(D) 110/120VAC PIN	829949
4Z	3A	LED indicator	110/120VAC	Plug-in	NXJ/4Z(D) 110/120VAC PLU	829936
4Z	3A	LED indicator	12VAC	PCB Welding	NXJ/4Z(D) 12VAC PIN	829944
4Z	3A	LED indicator	12VAC	Plug-in	NXJ/4Z(D) 12VAC PLU	829931

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
4Z	3A	LED indicator	12VDC	PCB Welding	NXJ/4Z(D) 12VDC PIN	829667
4Z	3A	LED indicator	12VDC	Plug-in	NXJ/4Z(D) 12VDC PLU	829658
4Z	3A	LED indicator	220VAC	PCB Welding	NXJ/4Z(D) 220VAC PIN	829950
4Z	3A	LED indicator	220VAC	Plug-in	NXJ/4Z(D) 220VAC PLU	829937
4Z	3A	LED indicator	220VDC	PCB Welding	NXJ/4Z(D) 220VDC PIN	829673
4Z	3A	LED indicator	220VDC	Plug-in	NXJ/4Z(D) 220VDC PLU	829664
4Z	3A	LED indicator	200/220VAC	PCB Welding	NXJ/4Z(D) 200/220VAC PIN	829951
4Z	3A	LED indicator	200/220VAC	Plug-in	NXJ/4Z(D) 200/220VAC PLU	829938
4Z	3A	LED indicator	220/240VAC	PCB Welding	NXJ/4Z(D) 220/240VAC PIN	829952
4Z	3A	LED indicator	220/240VAC	Plug-in	NXJ/4Z(D) 220/240VAC PLU	829939
4Z	3A	LED indicator	24VAC	PCB Welding	NXJ/4Z(D) 24VAC PIN	829945
4Z	3A	LED indicator	24VAC	Plug-in	NXJ/4Z(D) 24VAC PLU	829932
4Z	3A	LED indicator	24VDC	PCB Welding	NXJ/4Z(D) 24VDC PIN	829668
4Z	3A	LED indicator	24VDC	Plug-in	NXJ/4Z(D) 24VDC PLU	829659
4Z	3A	LED indicator	36VAC	PCB Welding	NXJ/4Z(D) 36VAC PIN	829946
4Z	3A	LED indicator	36VAC	Plug-in	NXJ/4Z(D) 36VAC PLU	829933
4Z	3A	LED indicator	36VDC	PCB Welding	NXJ/4Z(D) 36VDC PIN	829669
4Z	3A	LED indicator	36VDC	Plug-in	NXJ/4Z(D) 36VDC PLU	829660
4Z	3A	LED indicator	380VAC	PCB Welding	NXJ/4Z(D) 380VAC PIN	829953
4Z	3A	LED indicator	380VAC	Plug-in	NXJ/4Z(D) 380VAC PLU	829940
4Z	3A	LED indicator	48VAC	PCB Welding	NXJ/4Z(D) 48VAC PIN	829947
4Z	3A	LED indicator	48VAC	Plug-in	NXJ/4Z(D) 48VAC PLU	829934
4Z	3A	LED indicator	48VDC	PCB Welding	NXJ/4Z(D) 48VDC PIN	829670
4Z	3A	LED indicator	48VDC	Plug-in	NXJ/4Z(D) 48VDC PLU	829661
4Z	3A	LED indicator	5VDC	PCB Welding	NXJ/4Z(D) 5VDC PIN	829665
4Z	3A	LED indicator	5VDC	Plug-in	NXJ/4Z(D) 5VDC PLU	829656
4Z	3A	LED indicator	6VAC	PCB Welding	NXJ/4Z(D) 6VAC PIN	829943
4Z	3A	LED indicator	6VAC	Plug-in	NXJ/4Z(D) 6VAC PLU	829930
4Z	3A	LED indicator	6VDC	PCB Welding	NXJ/4Z(D) 6VDC PIN	829666
4Z	3A	LED indicator	6VDC	Plug-in	NXJ/4Z(D) 6VDC PLU	829657
4Z	3A	LED indicator	100/110VAC	Plug-in	NXJ/4Z(D) 100/110VAC PLU	252685
4Z	3A	LED indicator	110/120VAC	Plug-in	NXJ/4Z(D) 110/120VAC PLU	252686
4Z	3A	LED indicator	12VAC	Plug-in	NXJ/4Z(D) 12VAC PLU	252683
4Z	3A	LED indicator	12VDC	Plug-in	NXJ/4Z(D) 12VDC PLU	252655
4Z	3A	LED indicator	220VDC	Plug-in	NXJ/4Z(D) 220VDC PLU	252657
4Z	3A	LED indicator	200/220VAC	Plug-in	NXJ/4Z(D) 200/220VAC PLU	843135
4Z	3A	LED indicator	220/240VAC	Plug-in	NXJ/4Z(D) 220/240VAC PLU	252688
4Z	3A	LED indicator	24VAC	Plug-in	NXJ/4Z(D) 24VAC PLU	843134
4Z	3A	LED indicator	36VAC	Plug-in	NXJ/4Z(D) 36VAC PLU	252684
4Z	3A	LED indicator	36VDC	Plug-in	NXJ/4Z(D) 36VDC PLU	252656
4Z	3A	LED indicator, with arc shield	100/110VAC	PCB Welding	NXJ/4Z(MD) 100/110VAC PIN	843022
4Z	3A	LED indicator, with arc shield	100/110VAC	Plug-in	NXJ/4Z(MD) 100/110VAC PLU	843009
4Z	3A	LED indicator, with arc shield	100/110VDC	PCB Welding	NXJ/4Z(MD) 100/110VDC PIN	829725
4Z	3A	LED indicator, with arc shield	100/110VDC	Plug-in	NXJ/4Z(MD) 100/110VDC PLU	829716
4Z	3A	LED indicator, with arc shield	110/120VAC	PCB Welding	NXJ/4Z(MD) 110/120VAC PIN	843023

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
4Z	3A	LED indicator, with arc shield	110/120VAC	Plug-in	NXJ/4Z(MD) 110/120VAC PLU	843010
4Z	3A	LED indicator, with arc shield	12VAC	PCB Welding	NXJ/4Z(MD) 12VAC PIN	843018
4Z	3A	LED indicator, with arc shield	12VAC	Plug-in	NXJ/4Z(MD) 12VAC PLU	843005
4Z	3A	LED indicator, with arc shield	12VDC	PCB Welding	NXJ/4Z(MD) 12VDC PIN	829721
4Z	3A	LED indicator, with arc shield	12VDC	Plug-in	NXJ/4Z(MD) 12VDC PLU	829712
4Z	3A	LED indicator, with arc shield	220VAC	PCB Welding	NXJ/4Z(MD) 220VAC PIN	843024
4Z	3A	LED indicator, with arc shield	220VAC	Plug-in	NXJ/4Z(MD) 220VAC PLU	843011
4Z	3A	LED indicator, with arc shield	220VDC	PCB Welding	NXJ/4Z(MD) 220VDC PIN	829727
4Z	3A	LED indicator, with arc shield	220VDC	Plug-in	NXJ/4Z(MD) 220VDC PLU	829718
4Z	3A	LED indicator, with arc shield	200/220VAC	PCB Welding	NXJ/4Z(MD) 200/220VAC PIN	843025
4Z	3A	LED indicator, with arc shield	200/220VAC	Plug-in	NXJ/4Z(MD) 200/220VAC PLU	843012
4Z	3A	LED indicator, with arc shield	220/240VAC	PCB Welding	NXJ/4Z(MD) 220/240VAC PIN	843026
4Z	3A	LED indicator, with arc shield	220/240VAC	Plug-in	NXJ/4Z(MD) 220/240VAC PLU	843013
4Z	3A	LED indicator, with arc shield	24VAC	PCB Welding	NXJ/4Z(MD) 24VAC PIN	843019
4Z	3A	LED indicator, with arc shield	24VAC	Plug-in	NXJ/4Z(MD) 24VAC PLU	843006
4Z	3A	LED indicator, with arc shield	24VDC	PCB Welding	NXJ/4Z(MD) 24VDC PIN	829722
4Z	3A	LED indicator, with arc shield	24VDC	Plug-in	NXJ/4Z(MD) 24VDC PLU	829713
4Z	3A	LED indicator, with arc shield	36VAC	PCB Welding	NXJ/4Z(MD) 36VAC PIN	843020
4Z	3A	LED indicator, with arc shield	36VAC	Plug-in	NXJ/4Z(MD) 36VAC PLU	843007
4Z	3A	LED indicator, with arc shield	36VDC	PCB Welding	NXJ/4Z(MD) 36VDC PIN	829723
4Z	3A	LED indicator, with arc shield	36VDC	Plug-in	NXJ/4Z(MD) 36VDC PLU	829714
4Z	3A	LED indicator, with arc shield	380VAC	PCB Welding	NXJ/4Z(MD) 380VAC PIN	843027
4Z	3A	LED indicator, with arc shield	380VAC	Plug-in	NXJ/4Z(MD) 380VAC PLU	843014
4Z	3A	LED indicator, with arc shield	48VAC	PCB Welding	NXJ/4Z(MD) 48VAC PIN	843021
4Z	3A	LED indicator, with arc shield	48VAC	Plug-in	NXJ/4Z(MD) 48VAC PLU	843008
4Z	3A	LED indicator, with arc shield	48VDC	PCB Welding	NXJ/4Z(MD) 48VDC PIN	829724
4Z	3A	LED indicator, with arc shield	48VDC	Plug-in	NXJ/4Z(MD) 48VDC PLU	829715
4Z	3A	LED indicator, with arc shield	5VDC	PCB Welding	NXJ/4Z(MD) 5VDC PIN	829719
4Z	3A	LED indicator, with arc shield	5VDC	Plug-in	NXJ/4Z(MD) 5VDC PLU	829710
4Z	3A	LED indicator, with arc shield	6VAC	PCB Welding	NXJ/4Z(MD) 6VAC PIN	843017
4Z	3A	LED indicator, with arc shield	6VAC	Plug-in	NXJ/4Z(MD) 6VAC PLU	843004
4Z	3A	LED indicator, with arc shield	6VDC	PCB Welding	NXJ/4Z(MD) 6VDC PIN	829720
4Z	3A	LED indicator, with arc shield	6VDC	Plug-in	NXJ/4Z(MD) 6VDC PLU	829711
4Z	3A	arc shield	100/110VAC	PCB Welding	NXJ/4Z(M) 100/110VAC PIN	829974
4Z	3A	arc shield	100/110VAC	Plug-in	NXJ/4Z(M) 100/110VAC PLU	829961
4Z	3A	arc shield	100/110VDC	PCB Welding	NXJ/4Z(M) 100/110VDC PIN	829707
4Z	3A	arc shield	100/110VDC	Plug-in	NXJ/4Z(M) 100/110VDC PLU	829698
4Z	3A	arc shield	110/120VAC	PCB Welding	NXJ/4Z(M) 110/120VAC PIN	829975
4Z	3A	arc shield	110/120VAC	Plug-in	NXJ/4Z(M) 110/120VAC PLU	829962
4Z	3A	arc shield	12VAC	PCB Welding	NXJ/4Z(M) 12VAC PIN	829970
4Z	3A	arc shield	12VAC	Plug-in	NXJ/4Z(M) 12VAC PLU	829957
4Z	3A	arc shield	12VDC	PCB Welding	NXJ/4Z(M) 12VDC PIN	829703
4Z	3A	arc shield	12VDC	Plug-in	NXJ/4Z(M) 12VDC PLU	829694
4Z	3A	arc shield	220VAC	PCB Welding	NXJ/4Z(M) 220VAC PIN	829976
4Z	3A	arc shield	220VAC	Plug-in	NXJ/4Z(M) 220VAC PLU	829963

Contact	Rated current	Function	Coil	Terminal	Model Description	Code
4Z	3A	arc shield	220VDC	PCB Welding	NXJ/4Z(M) 220VDC PIN	829709
4Z	3A	arc shield	220VDC	Plug-in	NXJ/4Z(M) 220VDC PLU	829700
4Z	3A	arc shield	200/220VAC	PCB Welding	NXJ/4Z(M) 200/220VAC PIN	829977
4Z	3A	arc shield	200/220VAC	Plug-in	NXJ/4Z(M) 200/220VAC PLU	829964
4Z	3A	arc shield	220/240VAC	PCB Welding	NXJ/4Z(M) 220/240VAC PIN	843000
4Z	3A	arc shield	220/240VAC	Plug-in	NXJ/4Z(M) 220/240VAC PLU	829965
4Z	3A	arc shield	24VAC	PCB Welding	NXJ/4Z(M) 24VAC PIN	829971
4Z	3A	arc shield	24VAC	Plug-in	NXJ/4Z(M) 24VAC PLU	829958
4Z	3A	arc shield	24VDC	PCB Welding	NXJ/4Z(M) 24VDC PIN	829704
4Z	3A	arc shield	24VDC	Plug-in	NXJ/4Z(M) 24VDC PLU	829695
4Z	3A	arc shield	36VAC	PCB Welding	NXJ/4Z(M) 36VAC PIN	829972
4Z	3A	arc shield	36VAC	Plug-in	NXJ/4Z(M) 36VAC PLU	829959
4Z	3A	arc shield	36VDC	PCB Welding	NXJ/4Z(M) 36VDC PIN	829705
4Z	3A	arc shield	36VDC	Plug-in	NXJ/4Z(M) 36VDC PLU	829696
4Z	3A	arc shield	380VAC	PCB Welding	NXJ/4Z(M) 380VAC PIN	843001
4Z	3A	arc shield	380VAC	Plug-in	NXJ/4Z(M) 380VAC PLU	829966
4Z	3A	arc shield	48VAC	PCB Welding	NXJ/4Z(M) 48VAC PIN	829973
4Z	3A	arc shield	48VAC	Plug-in	NXJ/4Z(M) 48VAC PLU	829960
4Z	3A	arc shield	48VDC	PCB Welding	NXJ/4Z(M) 48VDC PIN	829706
4Z	3A	arc shield	48VDC	Plug-in	NXJ/4Z(M) 48VDC PLU	829697
4Z	3A	arc shield	5VDC	PCB Welding	NXJ/4Z(M) 5VDC PIN	829701
4Z	3A	arc shield	5VDC	Plug-in	NXJ/4Z(M) 5VDC PLU	829692
4Z	3A	arc shield	6VAC	PCB Welding	NXJ/4Z(M) 6VAC PIN	829969
4Z	3A	arc shield	6VAC	Plug-in	NXJ/4Z(M) 6VAC PLU	829956
4Z	3A	arc shield	6VDC	PCB Welding	NXJ/4Z(M) 6VDC PIN	829702
4Z	3A	arc shield	6VDC	Plug-in	NXJ/4Z(M) 6VDC PLU	829693
2Z	5A	Socket for plug-in			RS-NXJ-2Z/C1	829988
2Z	5A	Socket for plug-in, with finger protection			RS-NXJ-2Z/C2	829987
2Z	5A	Socket for plug-in, with blank label			RS-NXJ-2Z/C3	829986
2Z	10A	Socket for plug-in			RS-NXJ-2ZH/C1	829979
2Z	10A	Socket for plug-in, with finger protection			RS-NXJ-2ZH/C2	829978
3Z	5A	Socket for plug-in			RS-NXJ-3Z/C1	829985
3Z	5A	Socket for plug-in, with finger protection			RS-NXJ-3Z/C2	829984
3Z	5A	Socket for plug-in, with blank label			RS-NXJ-3Z/C3	829983
4Z	3A	Socket for plug-in			RS-NXJ-4Z/C1	829982
4Z	3A	Socket for plug-in, with finger protection			RS-NXJ-4Z/C2	829981
4Z	3A	Socket for plug-in, with blank label			RS-NXJ-4Z/C3	829980



NJDC-17 Series Miniature Relays with Test Button

1. General

2Z,2ZS, 3ZS, 4ZS contact forms; with self-locking test button; transparent dust cover package, diverse mounting modes available; equipped with a variety of sockets options; optional with the specifications of the status indicator.

CE

2. Operating conditions

Temperature Range	-40℃～+70℃
Relative humidity	90% RH at+20℃
Atmospheric pressure	86kPa～106kPa
Working position	Any position

3. Technical data

3.1 Contact parameters

Contact form	2Z(C),2ZS(C),3ZS(C),4ZS(C)
Initial contact resistance	100mΩ
Contact Material	Ag alloy
Contact load(COSp=1.0)	2Z:10A;2ZS,3ZS:5A;4ZS:3A(250VAC/30VDC)
Maximum switching voltage	250VAC/30 VDC
Maximum switching current	2Z:10A;2ZS,3ZS:5A;4ZS:3A
Maximum switching power	2Z:2500VA/300W
	2ZS,3ZS:1250VA/150W
	4ZS:750VA/90W
Electrical life(times)	1×10^5(See safety certification report)
Mechanical life(times)	1×10^7

3.2Performance, and characteristic parameter

Insulation Resistance		100MΩ(500VDC)
Dielectric Strength	Contact and coil	2000VAC
	Between open contacts	1000VAC
Action time		≤25ms
Release time		≤25ms
Shock(stability)		Acceleration 200m/s^2, pulse duration of 11ms
Vibration		Double amplitude of 1 mm(10~55)
Terminal form		Hz Plug-in, PCB
Outside dimensions(mm)		27.8×21.8×43

3.3 Coil parameters

Rated power consumption	(0.9~1.2)W (1.8~2.0)VA
Pull-in voltage	DC:≤80% rated voltage;AC:≤80% of rated voltage
Release voltage	DC:≥10% rated voltage;AC:≥20% of rated voltage
Maximum voltage	110% rated voltage

3.4 Specifications

Rated voltage VDC	Action voltage VDC(≤)	Release Voltage VDC(≥)	Coil resistance Ω ± 10%
5	4.0	0.5	28 x (1±10%)
6	4.8	0.6	44 x (1±10%)
12	9.6	1.2	160 x (1±10%)
24	19.2	2.4	640 x (1±10%)
36	28.8	3.6	1440 x (1±10%)
48	38.4	4.8	2300 x (1±10%)
100/110	88.0	11.0	11300 x (1±10%)
220	176.0	22.0	44000 x (1±10%)

Rated voltage VAC	Action voltage (≤)	Release Voltage (≥)	Coil resistance±10%
6	4.8	1.2	10.5 x (1±10%)
12	9.6	2.4	44 x (1±10%)
24	19.2	4.8	180 x (1±10%)
36	28.8	7.2	380 x (1±10%)
48	38.4	9.6	650 x (1±10%)
100/110	88.0	20.0	3600 x (1±10%)
110/120	96.0	22.0	3900 x (1±10%)
200/220	176.0	40.0	13500 x (1±10%)
220	176.0	44.0	14500 x (1±10%)
220/240	192.0	44.0	16300 x (1±10%)
380	304.0	76.0	42000 x (1±10%)

Note: The coil parameters are the values of coil temperatime at 25℃

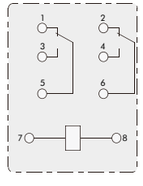
4. Other

Supporting socket (alternative)

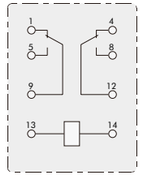
Relay Model	NJDC-17/2Z(D)(S)		
Model of equipped socket	CZT08A-E	CZT08A-02	CZT08B-01
Socket Dimensions(mm)	79×29×33	72×23×31	68×30×28
Socket lead form	Screw-type terminals (device type,Din rail type)		
Relay Mode	**NJDC-17/2ZS(D)(S)**		
Model of equipped socket	CZY08A-E	CZY08B-01	
Socket Dimensions(mm)	72×23×31	63×30.5×26	
Socket lead form I	Screw-type terminals(device type,Din rail type)		
Relay Mode	**NJDC-17/3ZS(D)(S)**		
Model of equipped socket	CZY11A-E	CZY11B	
Socket Dimensions(mm)	72×30×31	63×30.5×26	
Socket lead form I	Screw-type terminals(device type,Din rail type)		
Relay Mode	**NJDC-17/4ZS(D)(S)**		
Model of equipped socket	CZY14A-E	CZY14B	CZY14B-E
Socket Dimensions(mm)	72×30×31	63×30.5×26	63×30.5×26
Socket lead form I	Screw-type terminals (device type,Din rail type)		

5. Outside shape and mounting dimensions

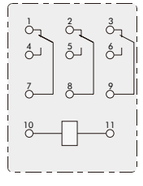
Bottom wiring diagram (2Z)



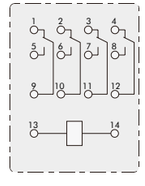
Bottom wiring diagram (2ZS)



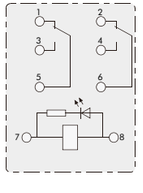
Bottom wiring diagram (3ZS)



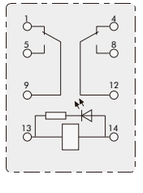
Bottom wiring diagram (4ZS)



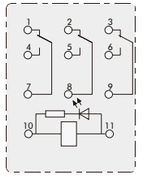
Bottom wiring diagram
(2Z with indicator)



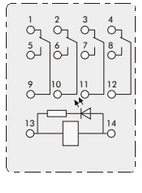
Bottom wiring diagram
(2ZS with indicator)



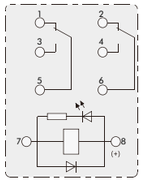
Bottom wiring diagram
(3ZS with indicator)



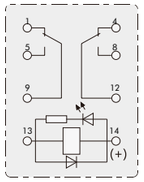
Bottom wiring diagram
(4ZS with indicator)



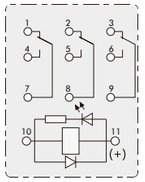
Bottom wiring diagram(2Z
with indicator and diode)



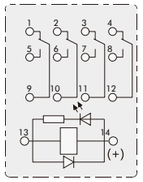
Bottom wiring diagram(2ZS
with indicator and diode)



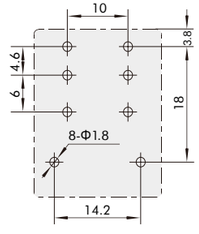
Bottom wiring diagram(3ZS
with indicator and diode)



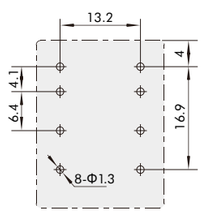
Bottom wiring diagram(4ZS
with indicator and diode)



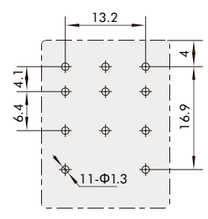
PCB outline drawing(2Z)



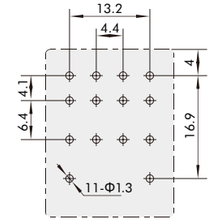
PCB outline drawing(2ZS)



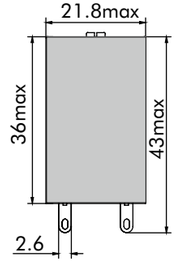
PCB outline drawing(3ZS)



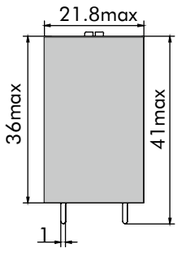
PCB outline drawing(4ZS)



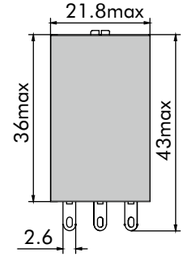
Outside dimensions drawing
(2Z pluggable)



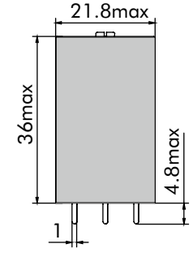
Outside dimensions drawing
(2ZS pluggable)



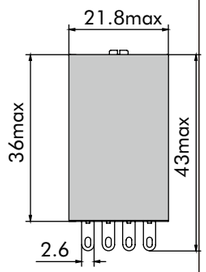
Outside dimensions drawing
(3ZS pluggable)



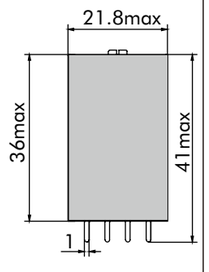
Outside dimensions drawing
(4ZS pluggable)



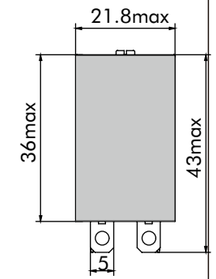
PCB outline drawing (2Z)



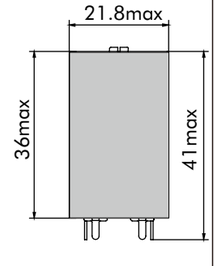
PCB outline drawing (2ZS)



PCB outline drawing (3ZS)



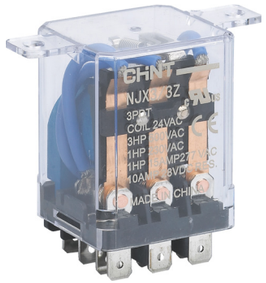
PCB outline drawing (4ZS)



6 Ordering Information

NJDC-17	/	2Z	(D)	(S)	220VAC	PLU
Series		Contact form 2Z:two sets of conversion(2C) 2ZS:two sets of conversion(2C) 3ZS:three sets of conversion(3C) 4ZS:four sets of conversion(4C)	Functions: Blank: Standard D: with status indicator B: with status indicator and surge suppression (DC) M: with arc shield (for 4zs type)	S: silver alloy	Voltage of the coil DC: 5V,6V,12V,24V,36V,48V, 100/110V,220V; AC: 6V,12V,24V,36V,48V,100/110V, 110/120V,200/220V,220V,220/240V;3 80V	Terminal form PLU:Plug-in PIN:PCB welding

Contact	Rated current	Function	Coil	Model Description	Code
2Z	10A	LED indicator and surge suppression	12VDC	NJDC-17/2Z(B)(S) 12VDC PLU	651124
2Z	10A	LED indicator and surge suppression	24VDC	NJDC-17/2Z(B)(S) 24VDC PLU	651125
2Z	5A	LED indicator and surge suppression	12VDC	NJDC-17/2ZS(B)(S) 12VDC PLU	651126
2Z	5A	LED indicator and surge suppression	24VDC	NJDC-17/2ZS(B)(S) 24VDC PLU	651127
3Z	5A	LED indicator and surge suppression	12VDC	NJDC-17/3ZS(B)(S) 12VDC PLU	651128
3Z	5A	LED indicator and surge suppression	24VDC	NJDC-17/3ZS(B)(S) 24VDC PLU	651129
4Z	3A	LED indicator and surge suppression	12VDC	NJDC-17/4ZS(B)(S) 12VDC PLU	651130
4Z	3A	LED indicator and surge suppression	24VDC	NJDC-17/4ZS(B)(S) 24VDC PLU	651131
2Z	10A	LED indicator	220VAC	NJDC-17/2Z(D)(S) 220VAC PLU	651132
2Z	10A	LED indicator	12VDC	NJDC-17/2Z(D)(S) 12VDC PLU	651133
2Z	10A	LED indicator	24VDC	NJDC-17/2Z(D)(S) 24VDC PLU	651134
2Z	5A	LED indicator	220VAC	NJDC-17/2ZS(D)(S) 220VAC PLU	651135
2Z	5A	LED indicator	12VDC	NJDC-17/2ZS(D)(S) 12VDC PLU	651136
2Z	5A	LED indicator	24VDC	NJDC-17/2ZS(D)(S) 24VDC PLU	651137
3Z	5A	LED indicator	220VAC	NJDC-17/3ZS(D)(S) 220VAC PLU	651138
3Z	5A	LED indicator	12VDC	NJDC-17/3ZS(D)(S) 12VDC PLU	651139
3Z	5A	LED indicator	24VDC	NJDC-17/3ZS(D)(S) 24VDC PLU	651140
4Z	3A	LED indicator	220VAC	NJDC-17/4ZS(D)(S) 220VAC PLU	651141
4Z	3A	LED indicator	12VDC	NJDC-17/4ZS(D)(S) 12VDC PLU	651143
4Z	3A	LED indicator	24VDC	NJDC-17/4ZS(D)(S) 24VDC PLU	651144
4Z	3A	Arc shield	220VAC	NJDC-17/4ZS(M)(S) 220VAC PLU	651145
4Z	3A	LED indicator and arc shield	220VAC	NJDC-17/4ZS(MD)(S) 220VAC PLU	651146
2Z	10A	-	220VAC	NJDC-17/2Z(S) 220VAC PLU	651147
2Z	10A	-	380VAC	NJDC-17/2Z(S) 380VAC PLU	651148
2Z	10A	-	12VDC	NJDC-17/2Z(S) 12VDC PLU	651149
2Z	10A	-	24VDC	NJDC-17/2Z(S) 24VDC PLU	651150
2Z	5A	-	220VAC	NJDC-17/2ZS(S) 220VAC PLU	651151
2Z	5A	-	380VAC	NJDC-17/2ZS(S) 380VAC PLU	651152
2Z	5A	-	12VDC	NJDC-17/2ZS(S) 12VDC PLU	651153
2Z	5A	-	24VDC	NJDC-17/2ZS(S) 24VDC PLU	651154
3Z	5A	-	220VAC	NJDC-17/3ZS(S) 220VAC PLU	651155
3Z	5A	-	12VDC	NJDC-17/3ZS(S) 12VDC PLU	651156
3Z	5A	-	24VDC	NJDC-17/3ZS(S) 24VDC PLU	651157
4Z	3A	-	220VAC	NJDC-17/4ZS(S) 220VAC PLU	651158
4Z	3A	-	12VDC	NJDC-17/4ZS(S) 12VDC PLU	651160
4Z	3A	-	24VDC	NJDC-17/4ZS(S) 24VDC PLU	651161



NJX3 Series Miniature Relays

1. Scope of application

1.1 Three contact forms, namely 1Z, 2Z and 3Z; it has the characteristics of small size, low power dissipation, big load capacity, and high reliability. It's extensively used in the HVAC industry for the control of industrial equipment such as condenser, compressor and air-conditioning. It needs no socket and realizes wire connection using quick-connect terminals, which is flexible and convenient.
1.2 Certificate: UL, CE.

2. Working conditions

Temperature Range	-45℃～+65℃
Relative humidity	Reaching 95% at+25℃
Atmospheric pressure	86kPa~106kPa
Service position	Optional

3. Major parameters and technical performance

3.1 Contact parameters

Contact form	1Z,2Z,3Z		
Initial contact resistance	100mΩ		
Contact material	Silver alloy		
Contact Ratings **Rated Voltage/ Rated Current**	**Electrical Operating Cycles**	**Load Type**	**Surrounding Air Temperature (SAT)/Ambient (℃)**
277VAC/15A	100000	Resistive	SAT 65
230VAC/1HP	6000	HP	SAT 65
600VAC/6.8A	6000	GP	SAT 65
28VDC/10A	100000	Resistive	SAT 65
Mechanical endurance	2 million times		

3.2 Performance and characteristic parameters

Insulation resistance	1000MΩ(500VDC)
Dielectric withstand voltage	Between contact coils:2200VAC
	Between break contacts:800VAC
Operate time (25℃ ,rated voltage)	≤15ms
Release time (25℃ ,rated voltage)	≤15ms
Shock(stability)	Acceleration 100m/s2 Pulse duration 11ms
Vibration	Double-amplitude 1mm,10～55Hz
Leading-out terminal form	Quick-connect terminal
Overall dimension(mm)	64.3×34.5×57.2

3.3 Coil parameters

Pull-in voltage	≤85% rated voltage
Release voltage	≥20% rated voltage
Peak voltage	110% rated voltage

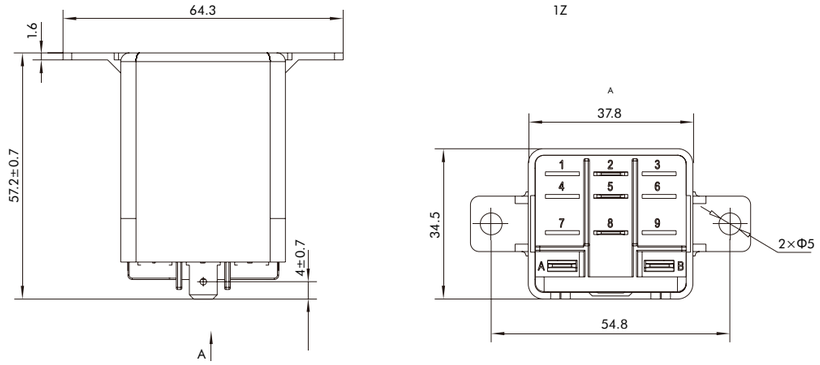
3.3 Coil parameters

Rated voltage VAC	Operate voltage ≤VAC	Release voltage ≥VAC	Coil resistance Ω
24	20.4	4.8	42×(1±10%)

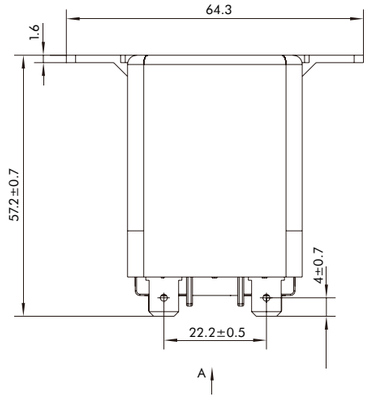
Note:The coli coli temperrature parameter is value in 25 ℃

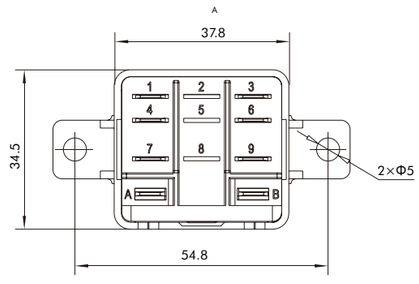
4. Overall and installation dimension

1Z

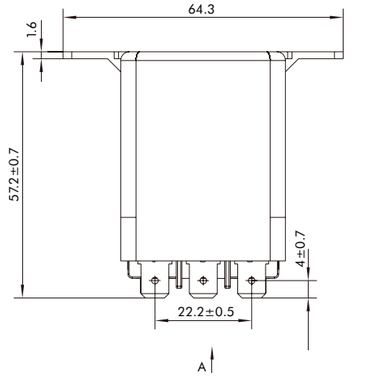


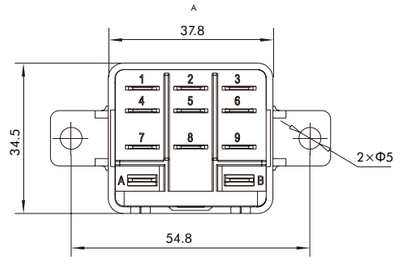
2Z





2Z





NJX3	-	1Z	AC24V
↓		↓	↓
Product Series		Contact group	Coil voltage
		1Z 2Z 3Z	AC24V

Contact	Rated current	Coil voltage	Model Description	Code
1Z	277V/15A	AC24V	NJX3/1Z AC24V	265325
2Z	277V/15A	AC24V	NJX3/2Z AC24V	265326
3Z	277V/15A	AC24V	NJX3/3Z AC24V	265327



NJDC-12 Series Miniature Relays with Test Button

1. General

2Z, 3Z contacts form; contacts switching current up to 10A; complete AC and DC specifications; with test button functions, A wide range of device socket are available.

NTDC-12 / 2Z

- Contact form:
  2Z:two sets of conversions
  3Z:three sets of conversionsr
- Relay Series:NDC-12

2. Operating conditions

Temperature Range	-25℃～+55℃
Relative humidity	+25℃ Reach95%
Atmospheric pressure	86kPa～106kPa
Working position	Upright or side mounted(reed at the top)

3. Technical data

3.1 Contact parameters

Contact form	2Z(C),3Z(C)
Initial contact resistance	100mΩ
Contact Material	Silver alloy
Contact load(resistive)	10A/250VAC,10A/30VDC
Maximum switching voltage	250VAC/30VDC
Maximum switching current	10A
Maximum switching power	2500VAC 300W
Electrical life(times)	1×10^5(See safety certification report)
Mechanical life(times)	1×10^7

3.2 Performance and characteristic parameter

Insulation Resistance		100MΩ(500VDC)
Dielectric Strength	Contact and coil,between different sets of contacts	1500VAC
	Between open contacts	500VAC
Action time (25℃ ,rated voltage)		≤20ms
Release time (25℃ ,rated voltage)		≤20ms
Shock(stability)		Acceleration 100m/s, pulse duration of 11ms
Vibration		Double amplitude of 1 mm(10～55) Hz
Terminal form		Plug-in
Outside dimensions(mm)		35×35×52.5

3.3 Coil parameters

Rated power consumption	1.6W 3VA
Pull-in voltage	DC:s 80% rated voltage;AC:s 80% of rated voltage
Release voltage	DC:≥10% rated voltage;AC:≥20% of rated voltage
Maximum voltage	110% rated voltage

3.4 Specifications

Rated voltage VDC	Action voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance Ω±10%
6	4.8	0.6	22
12	9.6	1.2	80
24	19.2	2.4	360
36	28.8	3.6	840
48	38.4	4.8	1440
110	88.0	11.0	7560
220	176.0	22.0	29000

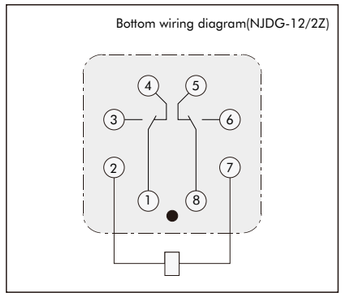
Rated voltage VDC	Action voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance Ω±10%
6	4.8	1.2	7
12	9.6	2.4	19
24	19.2	4.8	80
48	38.4	9.6	400
110	88.0	22	1600
220	176.0	44	7300
380	304.0	76	21000

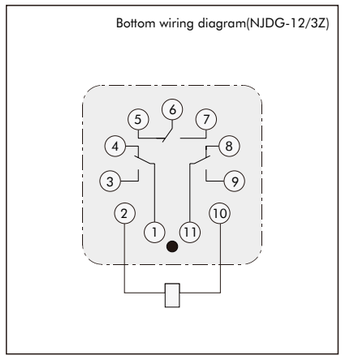
Note: The coil coil temperature parameter is value in 25℃ .

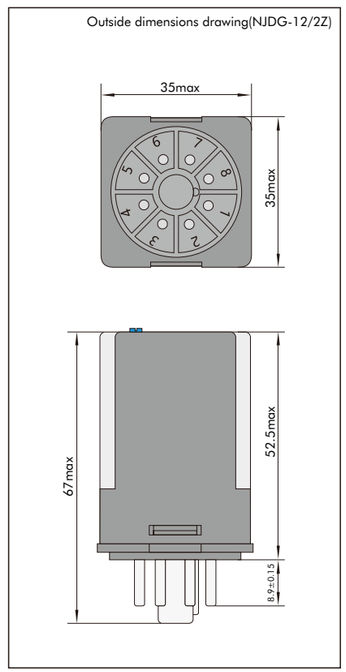
4. Matching socket (optional)

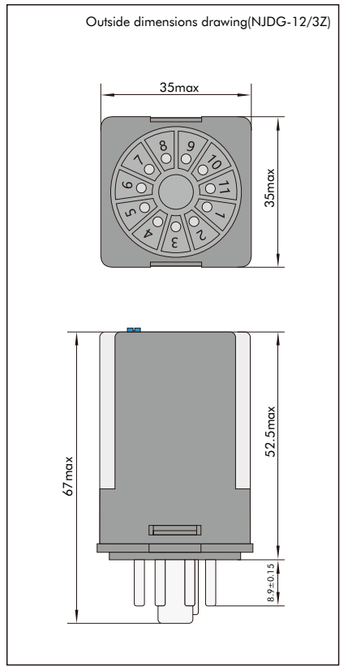
Relay Model	NJDC-12/2Z	
Model of equipped socket	CZF08A	CZF08A-E
Socket Dimensions(mm)	52×41×21.5	52×41×21.5
Socket lead form	Screw-type terminals(device type, Din-rail type)	
Relay Mode	**NJDC-12/3Z**	
Model of equipped socket	CZF11A	CZF11A-E
Socket Dimensions(mm)	52×44×31	52×44×31
Socket lead forml	Screw-type terminals (device type, Din-rail type)	

5. Outside shape and mounting dimensions

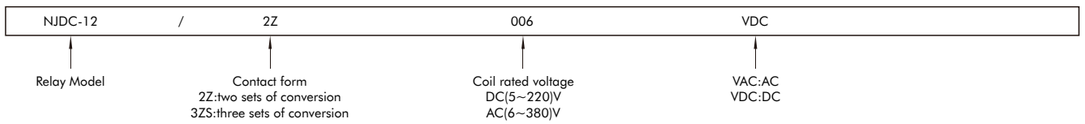








6. Ordering Information



NJDC	-	12	/	2Z	DC12V
Product Series		Derivative code		Contact group	Coil voltage
				2Z 3Z	AC24V AC110V AC220V AC380V DC12V DC24V DC110V DC220V

Contact	Rated current	Coil voltage	Model Description	Code
2Z	250V/10A	AC24V	NJDC-12/2Z AC24V	651109
2Z	250V/10A	AC110V	NJDC-12/2Z AC110V	651107
2Z	250V/10A	AC220V	NJDC-12/2Z AC220V	651108
2Z	250V/10A	AC380V	NJDC-12/2Z AC380V	651110
2Z	250V/10A	DC12V	NJDC-12/2Z DC12V	651112
2Z	250V/10A	DC24V	NJDC-12/2Z DC24V	651114
2Z	250V/10A	DC110V	NJDC-12/2Z DC110V	651111
2Z	250V/10A	DC220V	NJDC-12/2Z DC220V	651113
3Z	250V/10A	AC24V	NJDC-12/3Z AC24V	651117
3Z	250V/10A	AC110V	NJDC-12/3Z AC110V	651115
3Z	250V/10A	AC220V	NJDC-12/3Z AC220V	651116
3Z	250V/10A	AC380V	NJDC-12/3Z AC380V	651118
3Z	250V/10A	DC12V	NJDC-12/3Z DC12V	651120
3Z	250V/10A	DC24V	NJDC-12/3Z DC24V	651122
3Z	250V/10A	DC110V	NJDC-12/3Z DC110V	651119
3Z	250V/10A	DC220V	NJDC-12/3Z DC220V	651121



NJMC1 Series Pulse Relays

1. General

Contact switching current of up to 16A and 32A; a complete range of AC/DC specifications; NJMC1 pulse relay is a mechanical bistable relay that changes the contact state by inputting pulse signals.

2. Normal operating conditions and mounting conditions

2.1 Contact parameters

Temperature range	**-25℃～+55℃**
Pollution degree	1
Mounting position	Any position
Environmental protection category	Dustproof type
Overvoltage category	Ⅱ

3. Technical data

3.1 Contact data

Contact form	**1P,2P,3P,4P**	
Contact material	Silver alloy	
Contact load(resistive)	NJMC1-16:16A 250VC	NJMC1-32:32A 250VC
Max. switching voltage	250VAC	
Max. switching current	NJMC1-16:16A	NJMC1-32:32A
Max. switching power	NJMC1-16:4000VA	NJMC1-32:8000VA
Electrical life(times)	1×10^6	5×10^5
Mechanical life(times)	2×10^5	

3.2 Characteristics data

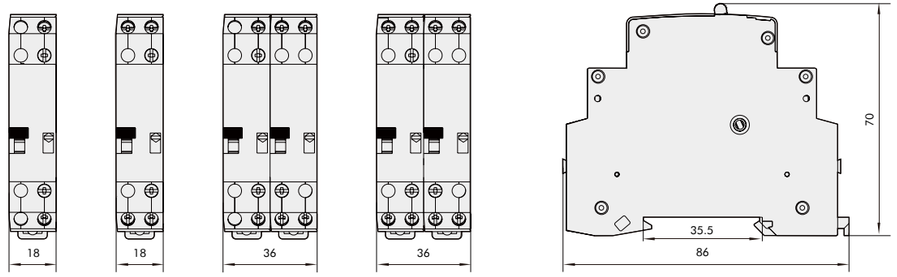
Insulation resistance	**100MΩ(500VDC)**	
Dielectric strength	Between contact & coil	1500VAC
	Between open contacts	1500VAC
Shock(resistance)	Acceleration:100m/s^2,pulse duration:11ms	
Vibration	1mm double amplitude,(10～55)Hz	
Mounting type	Din rail type	
Overall dimensions(mm)	86×70	
Frequency of action	≤ 5 times/min	

3.3 Coil data

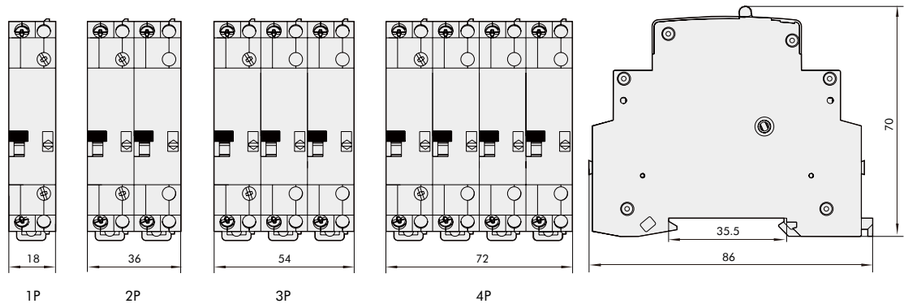
Pulse voltage duration	**≥50ms(200ms is recommended)**
Voltage range	(85%～110%)Us

4. Overall and mounting dimensions (mm)

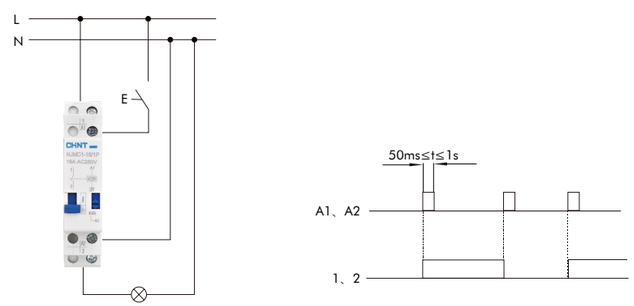
NJMC1-16



NJMC1-32



Connection diagram and sequence chart



Relay model	Coli rated voltage VDC	Coli resistance±10%	Coli rated voltage VAC	Coli resistance±10%
NJMC1-16/1P/2P	6	5	12	5.5
	12	19	24	23.5
	24	75	48	100
	48	300	130	705
	110	1600	220	2100
	127	2100	230	2100
	220	6031	240	2100
			380	6200
NJMC1-16/3P/4P	6	2.5	12	2.75
	12	9.5	24	11.75
	24	37.5	48	50
	48	150	130	352.5
	110	800	220	1050
	127	1050	230	1050
	220	3015.5	240	1050
			380	3100
NJMC1-32/1P	6	5	12	5.5
	12	19	24	23.5
	24	75	48	100
	48	300	130	705
	110	1600	220	1500
	127	2100	230	1500
	220	6031	240	1500
			380	6200
NJMC1-32/2P	6	2.5	12	2.75
	12	9.5	24	11.75
	24	37.5	48	50
	48	150	130	352.5
	110	800	220	750
	127	1050	230	750
	220	3015.5	240	750
			380	3100
NJMC1-32/3P	6	1.67	12	1.83
	12	6.33	24	7.83
	24	25	48	33.33
	48	100	130	235
	110	533.33	220	500
	127	700	230	500
	220	2010.33	240	500
			380	2066.67
NJMC1-32/4P	6	1.25	12	1.375
	12	4.75	24	5.875
	24	18.75	48	25
	48	75	130	176.25
	110	400	220	375
	127	525	230	375
	220	1507.75	240	375
			380	1550

Note:The coli coli temperrature parameter is value in 25 ℃

NJMC1	-	32	/	4P	DC24V
Product Series		**Contact ability**		**Poles**	**Coil voltage**
				1P 2P 3P 4P	AC24V AC48V AC220V AC230V AC240V DC24V DC127V DC220V

Contact ability	Poles	Coil voltage	Model Description	Code
250V/16A	1P	AC24V	NJMC1-16/1P AC24V	215817
250V/16A	1P	AC48V	NJMC1-16/1P AC48V	296579
250V/16A	1P	AC220V	NJMC1-16/1P AC220V	657012
250V/16A	1P	AC230V	NJMC1-16/1P AC230V	657077
250V/16A	1P	AC240V	NJMC1-16/1P AC240V	215816
250V/16A	1P	DC24V	NJMC1-16/1P DC24V	657011
250V/16A	1P	DC127V	NJMC1-16/1P DC127V	657078
250V/16A	1P	DC220V	NJMC1-16/1P DC220V	281274
250V/16A	2P	AC24V	NJMC1-16/2P AC24V	657069
250V/16A	2P	AC220V	NJMC1-16/2P AC220V	657052
250V/16A	2P	AC230V	NJMC1-16/2P AC230V	657053
250V/16A	2P	DC24V	NJMC1-16/2P DC24V	657051
250V/16A	2P	DC220V	NJMC1-16/2P DC220V	281275
250V/16A	3P	AC24V	NJMC1-16/3P AC24V	657070
250V/16A	3P	AC220V	NJMC1-16/3P AC220V	657055
250V/16A	3P	AC230V	NJMC1-16/3P AC230V	657056
250V/16A	3P	DC24V	NJMC1-16/3P DC24V	657054
250V/16A	3P	DC220V	NJMC1-16/3P DC220V	281276
250V/16A	4P	AC24V	NJMC1-16/4P AC24V	657071
250V/16A	4P	AC220V	NJMC1-16/4P AC220V	657058
250V/16A	4P	AC230V	NJMC1-16/4P AC230V	657059
250V/16A	4P	DC24V	NJMC1-16/4P DC24V	657057
250V/16A	4P	DC220V	NJMC1-16/4P DC220V	281277
250V/32A	1P	AC220V	NJMC1-32/1P AC220V	657014
250V/32A	1P	AC230V	NJMC1-32/1P AC230V	657079
250V/32A	1P	DC24V	NJMC1-32/1P DC24V	657013
250V/32A	1P	DC220V	NJMC1-32/1P DC220V	281220
250V/32A	2P	AC24V	NJMC1-32/2P AC24V	657072
250V/32A	2P	AC220V	NJMC1-32/2P AC220V	657061
250V/32A	2P	AC230V	NJMC1-32/2P AC230V	657062
250V/32A	2P	DC24V	NJMC1-32/2P DC24V	657060
250V/32A	2P	DC220V	NJMC1-32/2P DC220V	281221
250V/32A	3P	AC24V	NJMC1-32/3P AC24V	657073
250V/32A	3P	AC220V	NJMC1-32/3P AC220V	657064
250V/32A	3P	AC230V	NJMC1-32/3P AC230V	657065
250V/32A	3P	DC24V	NJMC1-32/3P DC24V	657063
250V/32A	3P	DC220V	NJMC1-32/3P DC220V	281222
250V/32A	4P	AC24V	NJMC1-32/4P AC24V	657074
250V/32A	4P	AC220V	NJMC1-32/4P AC220V	657067
250V/32A	4P	AC230V	NJMC1-32/4P AC230V	657068
250V/32A	4P	DC24V	NJMC1-32/4P DC24V	657066
250V/32A	4P	DC220V	NJMC1-32/4P DC220V	281223





NJG2 Series Solid-state Relays

1. Scope of Application

- NJG2 solid-state relays (SSRs) are switching devices that use semiconductor components to replace contact contacts. Photoelectric isolation is provided between the input and output ends. When a control signal is applied to the input end, the output end can change from the off state to the on state.
- NJG2 SSRs are suitable for resistive, inductive and capacitive loads, and can be widely used in various automation control fields such as electric furnace heating/thermostatic systems, CNC machinery, plastic machinery, food machinery, packaging machinery, textile machinery, petrochemical equipment, entertainment facilities. NJG2 SSRs are available with an input control voltage of DC3~32V/AC90~250V, an output current of 10A/15A/20A/25A/30A/40A/60A/80A/100A /120A, and an output voltage range of AC24~240V/AC40~480V/ DC12~250V.

2. Normal Operating and Installation Conditions

- Temperature range: -5℃ ~40℃
- Humidity range: up to 85% @ +25℃
- Installation: panel-mounted

3. Main Parameters and Technical Performance

Table 1

Model		Input Parameters						Output Parameters							Operating Current Safety Factor	
		Control Voltage (V)	Control Current (mA)	On Voltage (VDC)	On Current (mA)	Off Voltage (VDC)	Operation Indicator	Output Voltage (V)	Output Current (A)	Medium Withstand Voltage (VAC)	On-state Voltage Drop (VAC)	Frequency Range (HZ)	Voltage Rise Rate (V/μS)	Cooling	Resistive Load	Inductive Load
Single-phase	NJG2-SD	5-32 VDC		5	≤7	3.0	LED	12-250 VDC	10-20	≥1500	< 1.5 VDC	/	1000	10-100A models: heatsink +additional fan forced cooling (tobe activated when the temperatureexceeds 60℃) Thermal silicone grease must be applied between the product and the heatsink	60%	40%
		3-32 VDC	< 25	3	≤7	≤1.5	LED	24-240 40-480 VAC	10-120	≥2500	< 1.5	47-63	500			
		90-250 VAC	< 16	90VAC	≤7	10VAC	LED			≥2500	< 1.5	47-63	500			
Three-phase		3-32 VDC	< 25	3	≤15	≤1.5	LED		10-120	≥2500	< 1.5	47-63	500			
		90-250 VAC	< 30	90VAC	≤15	10VAC	LED			≥2500	< 1.5	47-63	500			

For selection of heatsinks, please refer to Table 2.

Table 2

SSR Type & Current	Single-phase,≤20A	Single-phase,≤40A	Single-phase,≤60A	Single-phase,≤80A	Single-phase,≤120A	Three-phase,≤20A	Three-phase,≤30A	Three-phase,≤40A	Three-phase,≤60A	Three-phase,≤120A
Heatsink Model	RAD-NJG2 -060	RAD-NJG2 -061	RAD-NJG2 -062	RAD-NJG2 -063	RAD-NJG2 -036	RAD-NJG2 -035	RAD-NJG2 -034	RAD-NJG2 -036	RAD-NJG2 -037	RAD-NJG2 -038

For load derating, please refer to Table 3.

Table 3

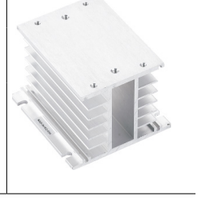
Load Type	Pure Resistance	Heating Wire	Incandescent Lamp	Transformer	Electromagnet	Single-phase Motor	Three-phase Motor	Capacitor Switching
Power Factor	1.0	0.7	0.5	0.4	0.5	0.2	0.3	Surge
Amplification Factor	1.5 times	2 times	2.5 times	4 times	4 times	7 times	6 times	10 times

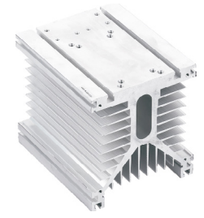
Model	Input Parameters					Output Parameters														
	Input Control Voltage	On Voltage	Off Voltage	Input Control Voltage	Reverse Polarity Voltage	Output Voltage Range	Output Voltage Frequency	Blocking Voltage	On-state Current	Overload Current	Maximum I²t	Maximum Surge Current	Off-state Current	On-state Voltage	Turn-on Time	Turn-off Time	Off-state Voltage Critical Rise Rate	Minimum Load Power Factor	Medium Withstand Voltage	Insulation Resistance	Operation Indicator	Protection Type
NJG2-SDA032-10A220	3-32 VDC	3 VDC	≤1.5 VDC	< 25 mA	-32 VDC	24-240 VAC	47-63Hz	550 VAC	10A	<150%	85	120	≤ 10mA	< 1.5 VAC	≤1/2 cycle +1ms	≤1/2 cycle +1ms	500V /μs	0.5	≥ 2500 VAC	500 MΩ (DC 500V)	LED	RC protectio
NJG2-SDA032-15A220									15A		128	160										
NJG2-SDA032-20A220									20A		288	240										
NJG2-SDA032-25A220									25A		450	300										
NJG2-SDA032-30A220									30A		660	380										
NJG2-SDA032-40A220									40A		840	410										
NJG2-SDA032-60A220									60A		1800	780										
NJG2-SDA032-80A220									80A		3200	1000										
NJG2-SDA032-100A220									100A		6000	1600										
NJG2-SDA032-120A220									120A		8500	1800										
NJG2-SDA032-10A380						40-480 VAC	47-63Hz	550 VAC	10A	<150%	85	120	≤ 10mA	< 1.5 VAC	≤1/2 cycle +1ms	≤ 40ms	500V /μs	0.5	≥ 2500 VAC	500 MΩ (DC 500V)		RC protectio
NJG2-SDA032-15A380									15A		128	160										
NJG2-SDA032-20A380									20A		288	240										
NJG2-SDA032-25A380									25A		450	300										
NJG2-SDA032-30A380									30A		660	380										
NJG2-SDA032-40A380									40A		840	410										
NJG2-SDA032-60A380									60A		1800	780										
NJG2-SDA032-80A380									80A		3200	1000										
NJG2-SDA032-100A380									100A		6000	1600										
NJG2-SDA032-120A380									120A		8500	1800										
NJG2-SAA250-10A220	90-250 VAC	90 VAC	10 VAC	< 30 mA		24-240 VAC	47-63Hz	550 VAC	10A	150%	85	120	≤ 10mA	< 1.5 VAC	≤1/2 cycle +1ms	≤ 40ms	500V /μs	0.5	≥ 2500 VAC	500 MΩ (DC 500V)		RC protectio
NJG2-SAA250-15A220									15A		128	160										
NJG2-SAA250-20A220									20A		288	240										
NJG2-SAA250-25A220									25A		450	300										
NJG2-SAA250-30A220									30A		660	380										
NJG2-SAA250-40A220									40A		840	410										
NJG2-SAA250-60A220									60A		1800	780										
NJG2-SAA250-80A220									80A		3200	1000										
NJG2-SAA250-100A220									100A		6000	1600										
NJG2-SAA250-120A220									120A		8500	1800										
NJG2-SAA250-10A380						40-480 VAC	47-63Hz	550 VAC	10A	150%	85	120	≤ 10mA	< 1.5 VAC	≤1/2 cycle +1ms	≤ 40ms	500V /μs	0.5	≥ 2500 VAC	500 MΩ (DC 500V)		RC protectio
NJG2-SAA250-15A380									15A		128	160										
NJG2-SAA250-20A380									20A		288	240										
NJG2-SAA250-25A380									25A		450	300										
NJG2-SAA250-30A380									30A		660	380										
NJG2-SAA250-40A380									40A		840	410										
NJG2-SAA250-60A380									60A		1800	780										
NJG2-SAA250-80A380									80A		3200	1000										
NJG2-SAA250-100A380									100A		6000	1600										
NJG2-SAA250-120A380									120A		8500	1800										
NJG2-SDD032-10A024	5-32 VDC	5 VDC	3.0 VDC	< 45 mA	-32 VDC	12-250 VDC		250 VDC	10A	110%		90 120 150	≤ 5mA	< 1.5 VDC	≤ 5ms	≤ 5ms	1000V /μs		≥ 1500 VAC	500 MΩ (DC 500V)		
NJG2-SDD032-15A024									15A													
NJG2-SDD032-20A024									20A													
NJG2-TDA032-10A380	3-32 VDC	3 VDC	≤ 1.5 VDC	< 25 mA	-32 VDC	40-480 VAC	47-63Hz	550 VAC	10A	150%	85	120	≤ 10mA	< 1.5 VAC	≤1/2 cycle +1ms	≤1/2 cycle +1ms	500V /μs	0.5	≥ 2500 VAC	500 MΩ (DC 500V)	LED	RC protection
NJG2-TDA032-15A380									15A		128	160										
NJG2-TDA032-20A380									20A		288	240										
NJG2-TDA032-25A380									25A		450	300										
NJG2-TDA032-30A380									30A		660	380										
NJG2-TDA032-40A380									40A		840	410										
NJG2-TDA032-60A380									60A		1800	780										
NJG2-TDA032-80A380									80A		3200	1000										
NJG2-TDA032-100A380								800 VAC	100A		6000	1600										
NJG2-TDA032-120A380									120A		8500	1800										

Model	Input Parameters					Output Parameters														
	Input Control Voltage	On Voltage	Off Voltage	Input Control Voltage	Reverse Polarity Voltage	Output Voltage Range	Output Voltage Frequency	Blocking Voltage	On-state Current	Overload Current	Maximum I²t	Maximum Surge Current	Off-state Current	On-state Voltage	Turn-on Time	Turn-off Time	Off-state Voltage Critical Rise Rate	Minimum Load Power Factor	Medium Withstand Voltage	Insulation Resistance	Operation Indicator	Protection Type
NJG2-TAA250-10A380	90-250 VAC	90 VAC	10 VAC	< 30 mA		40-480 VAC	47-63Hz	550 VAC	10A	<150%	85	120	≤ 10mA	< 1.5 VAC	≤1/2 cycle +1ms	≤ 40ms	500V /μs	0.5	≥ 2500 VAC	500 MΩ (DC 500V)		RC protectio
NJG2-TAA250-15A380									15A		128	160										
NJG2-TAA250-20A380									20A		288	240										
NJG2-TAA250-25A380									25A		450	300										
NJG2-TAA250-30A380									30A		660	380										
NJG2-TAA250-40A380									40A		840	410										
NJG2-TAA250-60A380									60A		1800	780										
NJG2-TAA250-80A380									80A		3200	1000										
NJG2-TAA250-100A380								800 VAC	100A		6000	1600										
NJG2-TAA250-120A380									120A		8500	1800										

4. Accessories

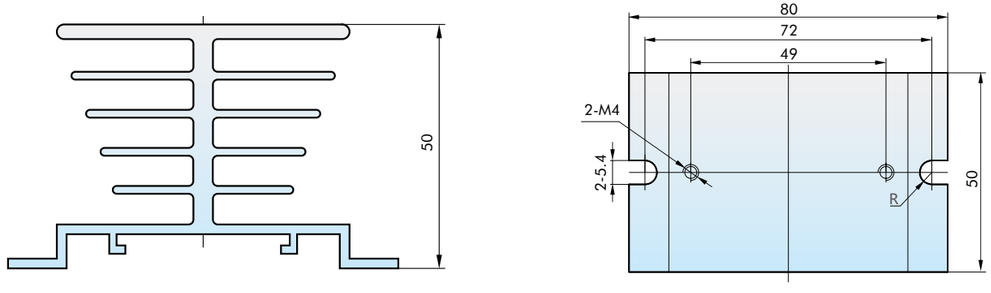
Product Model	Rated On-state (Load)Current	Heatsink	HeatsinkThermal Resistance (℃ /W)	Weight (≈g)	Cooling	Overall Dimensions (mm)	Installation Dimensions (mm)	
NJG2-SDA032-10A220	10A	RAD-NJG2 -060	2.19	100	Natural cooling	50*80*50	72	
NJG2-SDA032-10A380								
NJG2-SAA250-10A220								
NJG2-SAA250-10A380								
NJG2-SDD032-10A024								
NJG2-SDA032-15A220	15A							
NJG2-SDA032-15A380								
NJG2-SAA250-15A220								
NJG2-SAA250-15A380								
NJG2-SDD032-15A024								
NJG2-SDA032-20A220	20A							
NJG2-SDA032-20A380								
NJG2-SAA250-20A220								
NJG2-SAA250-20A380								
NJG2-SDD032-20A024								
NJG2-SDA032-25A220	25A	RAD-NJG2 -061	1.49	200	Natural cooling	70*125*50	115	
NJG2-SDA032-25A380								
NJG2-SAA250-25A220								
NJG2-SAA250-25A380								
NJG2-SDA032-30A220	30A							
NJG2-SDA032-30A380								
NJG2-SAA250-30A220								
NJG2-SAA250-30A380								
NJG2-SDA032-40A220	40A							
NJG2-SDA032-40A380								
NJG2-SAA250-40A220								
NJG2-SAA250-40A380								

Product Model	Rated On-state (Load)Current	Heatsink	HeatsinkThermal Resistance (℃ /W)	Weight (≈g)	Cooling	Overall Dimensions (mm)	Installation Dimensions (mm)	
NJG2-SDA032-60A220	60A	RAD-NJG2 -062	1.35	300	Natural cooling	110*125*50	115*50	
NJG2-SDA032-60A380								
NJG2-SAA250-60A220								
NJG2-SAA250-60A380								
NJG2-SDA032-80A220	80A	RAD-NJG2 -063	1.07	530	Natural cooling	180*125*50	115*110	
NJG2-SDA032-80A380								
NJG2-SAA250-80A220								
NJG2-SAA250-80A380								
NJG2-SDA032-100A220	100A	RAD-NJG2 -036	0.48	680	Natural cooling	150*100*80	91*92	
NJG2-SDA032-100A380								
NJG2-SAA250-100A220								
NJG2-SAA250-100A380								
NJG2-SDA032-120A220	120A							
NJG2-SDA032-120A380								
NJG2-SAA250-120A220								
NJG2-SAA250-120A380								
NJG2-TDA032-10A380	10A	RAD-NJG2 -035	0.93	370	Natural cooling	150*88*35	130	
NJG2-TAA250-10A380								
NJG2-TDA032-15A380	15A							
NJG2-TAA250-15A380								
NJG2-TDA032-20A380	20A							
NJG2-TAA250-20A380								
NJG2-TDA032-25A380	25A	RAD-NJG2 -034	0.65	475	Natural cooling	105*100*80	91*75	
NJG2-TAA250-25A380								
NJG2-TDA032-30A380	30A							
NJG2-TAA250-30A380								

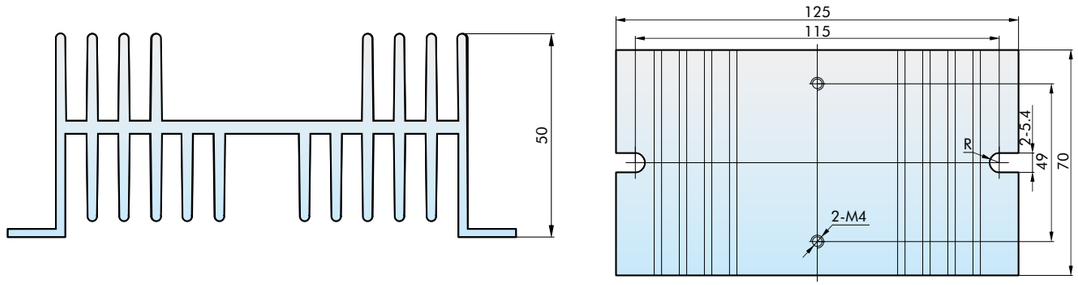
Product Model	Rated On-state (Load)Current	Heatsink	HeatsinkThermal Resistance (℃ /W)	Weight (≈g)	Cooling	Overall Dimensions (mm)	Installation Dimensions (mm)	
NJG2-TDA032-40A380	40A	RAD-NJG2 -036	0.48	680	Natural cooling	150*100*80	91*92	
NJG2-TAA250-40A380								
NJG2-TDA032-60A380	60A	RAD-NJG2 -037	0.44	1400	Natural cooling	260*180*50	168*140	
NJG2-TAA250-60A380								
NJG2-TDA032-80A380	80A	RAD-NJG2 -038	0.39	2000	Natural cooling	150*125*135	91*92	
NJG2-TAA250-80A380								
NJG2-TDA032-100A380	100A							
NJG2-TAA250-100A380								
NJG2-TDA032-120A380	120A							
NJG2-TAA250-120A380								

5. Overall & Installation Dimensions of Heatsink

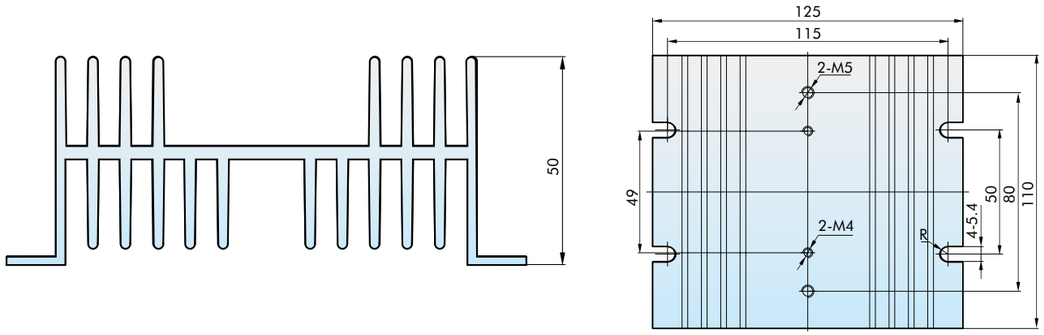
· RAD-NJG2-060



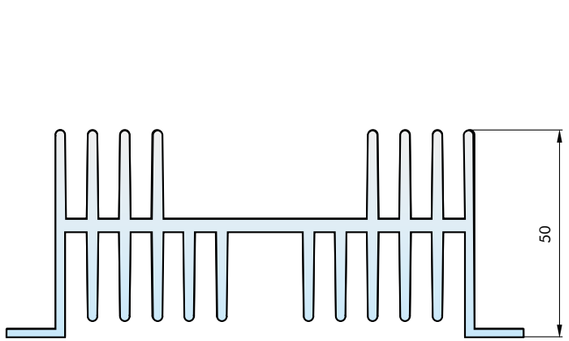
· RAD-NJG2-061



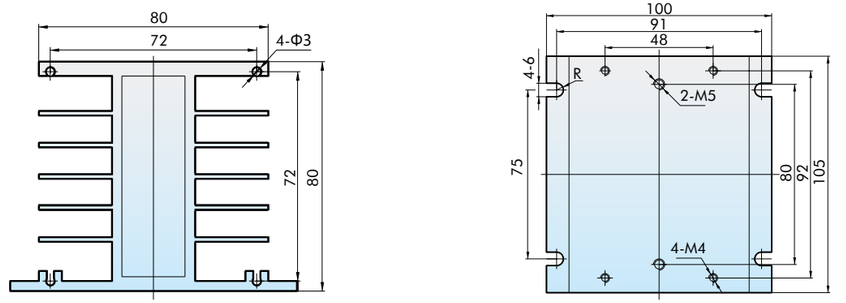
· RAD-NJG2-062



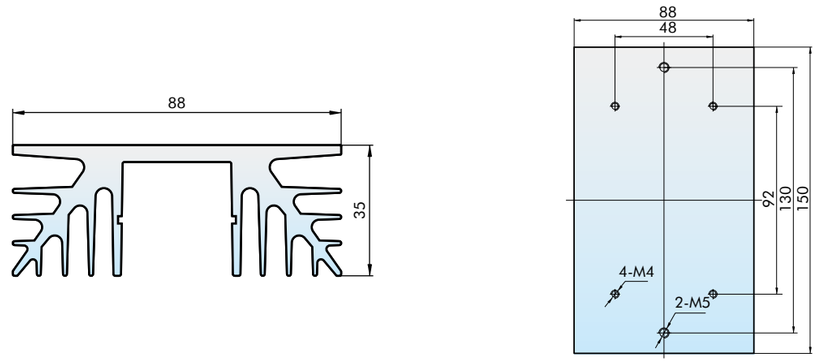
· RAD-NJG2-063



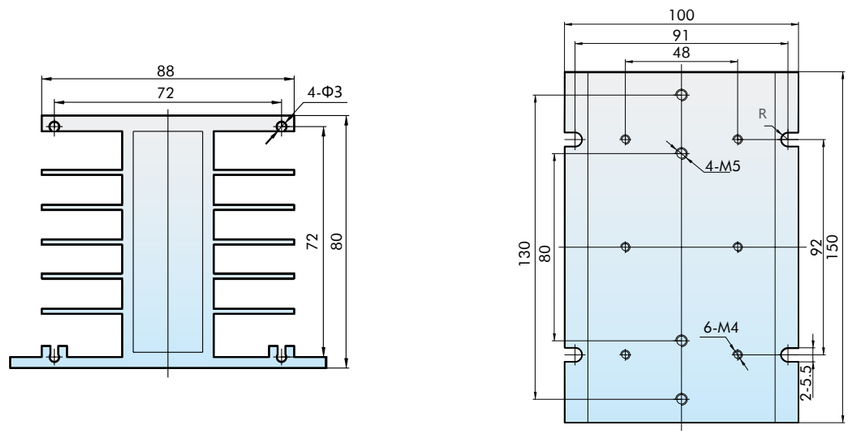
· RAD-NJG2-034



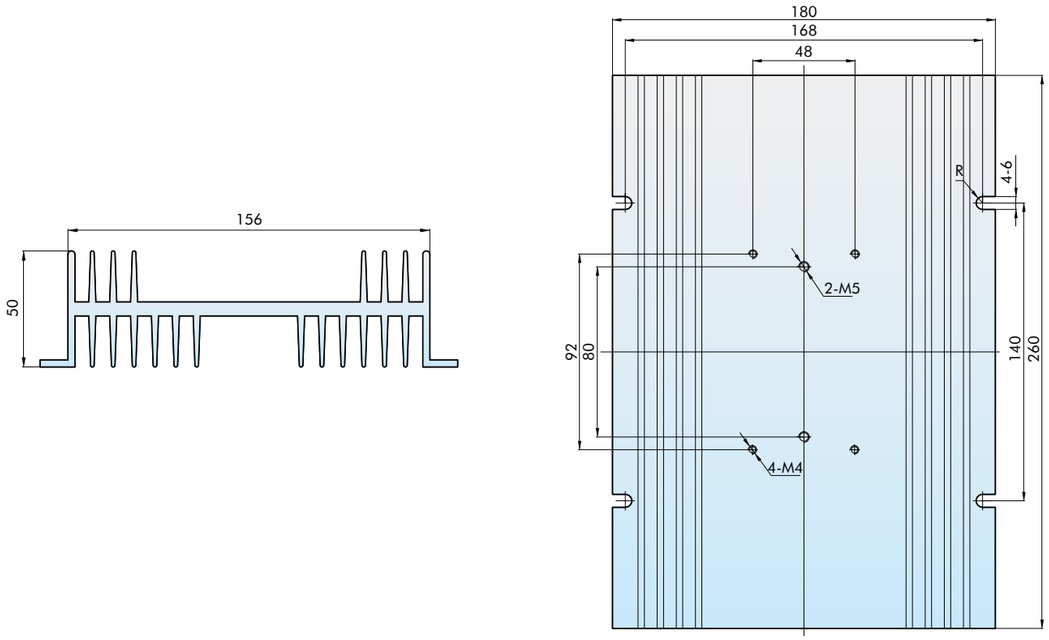
· RAD-NJG2-035



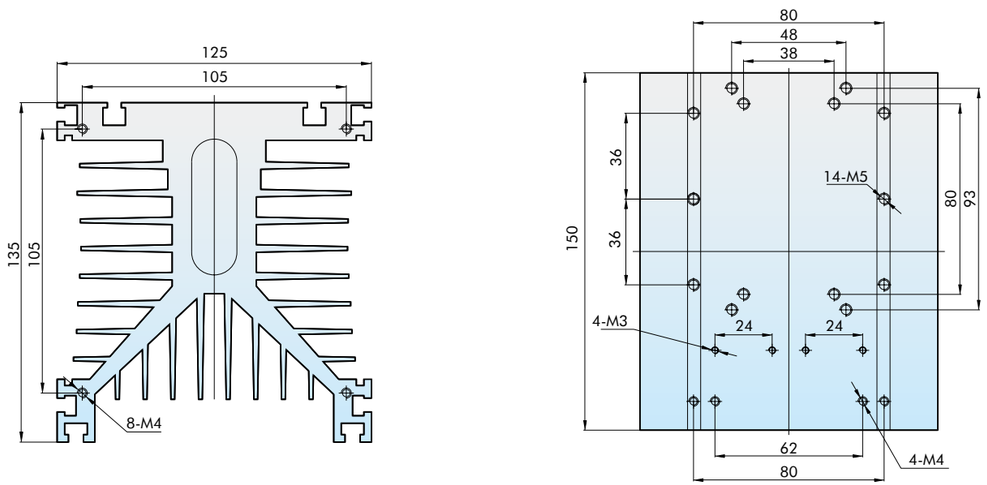
· RAD-NJG2-036



· RAD-NJG2-037



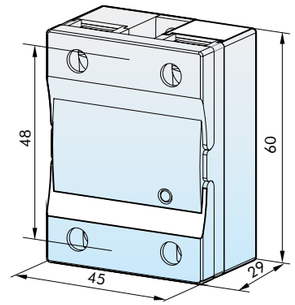
· RAD-NJG2-038



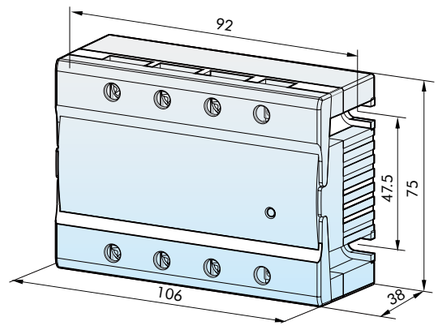
Note: It is recommended to mount the heatsink by inserting the hexagonal nuts into the guide grooves.

6. Overall & Installation Dimensions Diagram

· Single-phase SSR



· Three-phase SSR



8. Precautions for Use

Input operating conditions:

· Attention should be paid to the operating voltage range and the correct polarity (positive and negative terminals).

· To ensure the normal operation of SSRs, the input current should be increased at a low ambient temperature, or reduced at a high ambient temperature.

· When using integrated circuits (ICs) to directly drive SSRs, it is important to ensure the IC has sufficient load capacity and "0" level output as low as possible.
Output Operating Conditions:

· To ensure the reliable operation of SSRs, it is important to use their limit parameters correctly and implement necessary protective measures.

· Selection of peak voltage: inductive load: take 2-3 times the circuit voltage (effective value); pure resistive load: take 1-2 times the circuit voltage (effective value).

· Selection of varistor: The nominal operating voltage of the varistor should be selected according to 1.8-2 times the effective value of the SSR's operating voltage.

· Products with an operating current below 5A should be installed near a heat dissipation window with good ventilation, or where is exposed to the cooling wind.

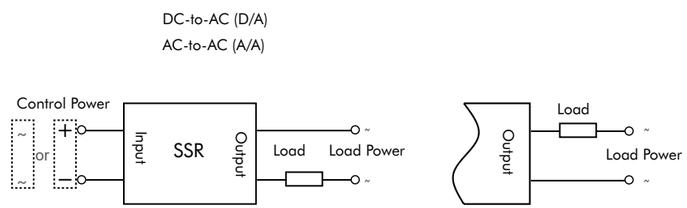
· Products with an operating current above 5A should be installed with a heatsink. Thermal conductive silicone grease should be applied between the relay and the heatsink to enhance heat dissipation. When the surface temperature of the heatsink approaches 60°C, forced air cooling should be implemented.

· In order to prevent the temperature rise of SSRs from exceeding the allowable value, the heat dissipation effect and installation location should be fully considered during design and application. When installing multiple SSRs side by side, it is required to leave a suitable distance between them.

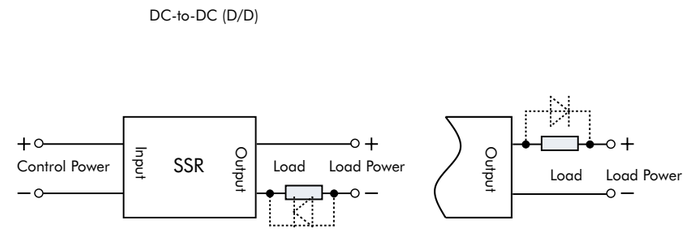
7. Wiring Diagram

Wiring Diagram - Application Circuit

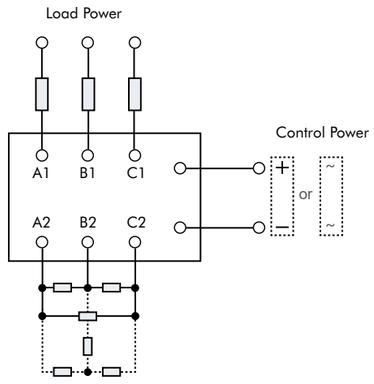
· Wiring Diagram for AC SSR



· Wiring Diagram for DC SSR



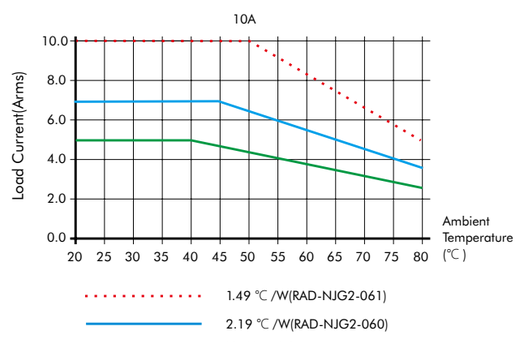
· Wiring Diagram for Three-phase SSR



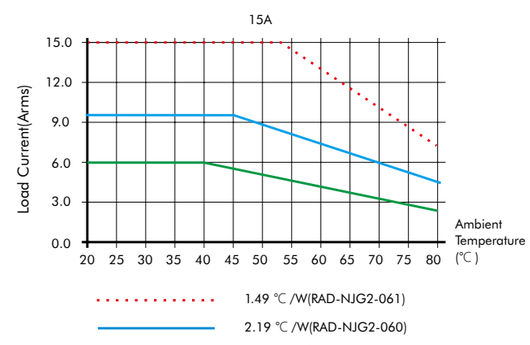
The center point can be connected to the N (neutral) terminal

Appendix 1: Characteristic Curve

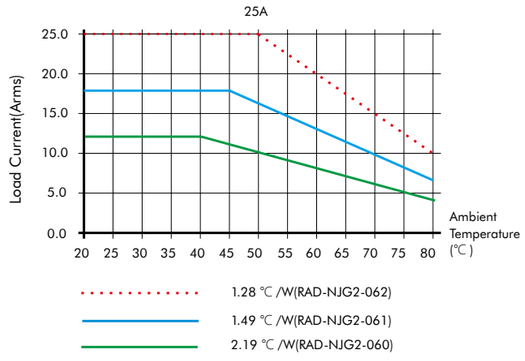
· Maximum Load Current & Ambient Temperature Curve (10A)



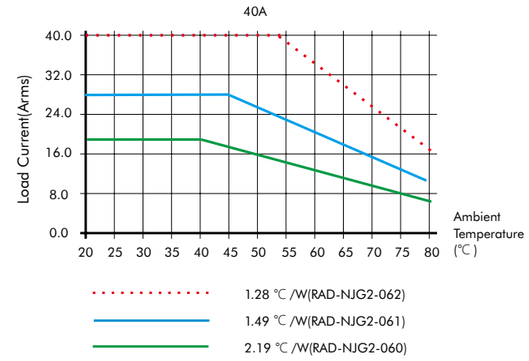
· Maximum Load Current & Ambient Temperature Curve (15A)



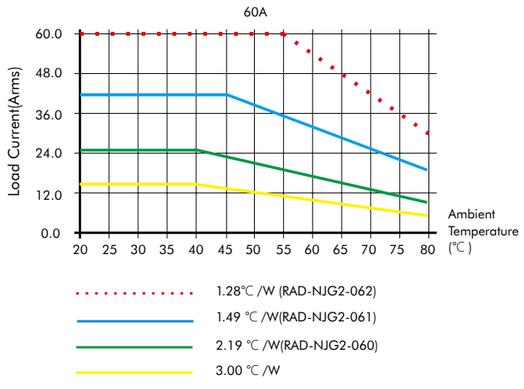
· Maximum Load Current & Ambient Temperature Curve (25A)



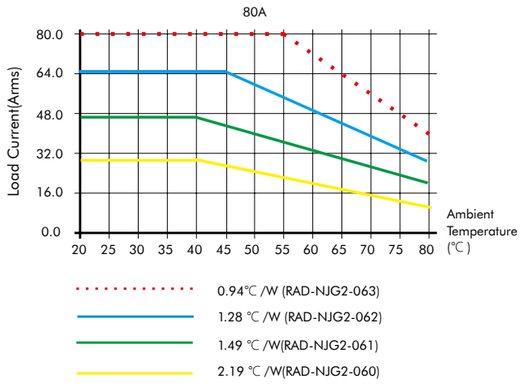
· Maximum Load Current & Ambient Temperature Curve (40A)



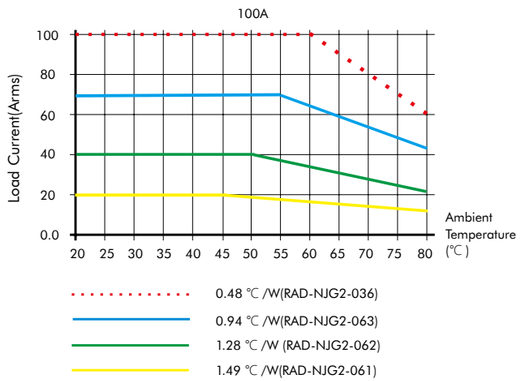
· Maximum Load Current & Ambient Temperature Curve (60A)



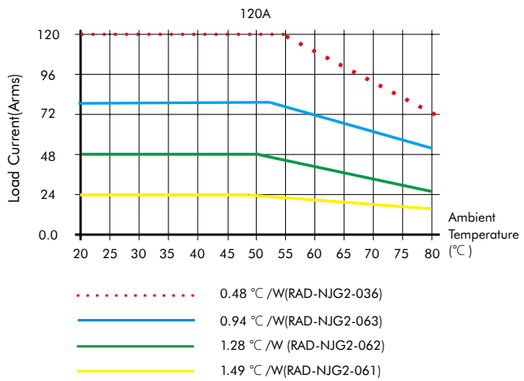
· Maximum Load Current & Ambient Temperature Curve (80A)



· Maximum Load Current & Ambient Temperature Curve (100A)



· Maximum Load Current & Ambient Temperature Curve (120A)



Relay:

NJG2	-	S	D	A	032	-	10A	220
Product Series		**Poles**	**Input voltage type**	**Output voltage type**	**Input voltage range**		**Maximum load current**	**Load voltage**
		S: 1P T: 3P	D: DC A: AC	D: DC A: AC	(DD) 032:DC 5~32V (DA) 032:DC 3~32V (AA) 250:AC 90-250V		10A 15A 20A 25A 30A 40A 60A 80A 100A 120A	220: AC24~240V 380: AC40~480V 024: DC12~250V

Radiator:

RAD	-	NJG2	-	060
Product Series		**Matched relay**		**Shape code**
		S: 1P T: 3P		060 061 062 063 034 035 036 037 038

Poles	Input voltage	Output voltage	Input voltage range	Maximum load current	Load voltage	Model Description	Code
1P	DC	AC	DC 3~32V	10A	AC24~240V	G NJG2-SDA032-10A220	471477
1P	DC	AC	DC 3~32V	15A	AC24~240V	G NJG2-SDA032-15A220	471478
1P	DC	AC	DC 3~32V	20A	AC24~240V	G NJG2-SDA032-20A220	471479
1P	DC	AC	DC 3~32V	25A	AC24~240V	G NJG2-SDA032-25A220	471480
1P	DC	AC	DC 3~32V	30A	AC24~240V	G NJG2-SDA032-30A220	471481
1P	DC	AC	DC 3~32V	40A	AC24~240V	G NJG2-SDA032-40A220	471482
1P	DC	AC	DC 3~32V	60A	AC24~240V	G NJG2-SDA032-60A220	471483
1P	DC	AC	DC 3~32V	80A	AC24~240V	G NJG2-SDA032-80A220	471484
1P	DC	AC	DC 3~32V	100A	AC24~240V	G NJG2-SDA032-100A220	471485
1P	DC	AC	DC 3~32V	120A	AC24~240V	G NJG2-SDA032-120A220	471486
1P	DC	AC	DC 3~32V	10A	AC40~480V	G NJG2-SDA032-10A380	471487
1P	DC	AC	DC 3~32V	15A	AC40~480V	G NJG2-SDA032-15A380	471488
1P	DC	AC	DC 3~32V	20A	AC40~480V	G NJG2-SDA032-20A380	471489
1P	DC	AC	DC 3~32V	25A	AC40~480V	G NJG2-SDA032-25A380	471490
1P	DC	AC	DC 3~32V	30A	AC40~480V	G NJG2-SDA032-30A380	471491
1P	DC	AC	DC 3~32V	40A	AC40~480V	G NJG2-SDA032-40A380	471492
1P	DC	AC	DC 3~32V	60A	AC40~480V	G NJG2-SDA032-60A380	471493
1P	DC	AC	DC 3~32V	80A	AC40~480V	G NJG2-SDA032-80A380	471494
1P	DC	AC	DC 3~32V	100A	AC40~480V	G NJG2-SDA032-100A380	471495
1P	DC	AC	DC 3~32V	120A	AC40~480V	G NJG2-SDA032-120A380	471496
1P	AC	AC	AC 90-250V	10A	AC24~240V	G NJG2-SAA250-10A220	471497
1P	AC	AC	AC 90-250V	15A	AC24~240V	G NJG2-SAA250-15A220	471498
1P	AC	AC	AC 90-250V	20A	AC24~240V	G NJG2-SAA250-20A220	471499
1P	AC	AC	AC 90-250V	25A	AC24~240V	G NJG2-SAA250-25A220	471500
1P	AC	AC	AC 90-250V	30A	AC24~240V	G NJG2-SAA250-30A220	471501
1P	AC	AC	AC 90-250V	40A	AC24~240V	G NJG2-SAA250-40A220	471502
1P	AC	AC	AC 90-250V	60A	AC24~240V	G NJG2-SAA250-60A220	471503
1P	AC	AC	AC 90-250V	80A	AC24~240V	G NJG2-SAA250-80A220	471504
1P	AC	AC	AC 90-250V	100A	AC24~240V	G NJG2-SAA250-100A220	471505
1P	AC	AC	AC 90-250V	120A	AC24~240V	G NJG2-SAA250-120A220	471506
1P	AC	AC	AC 90-250V	10A	AC40~480V	G NJG2-SAA250-10A380	471507
1P	AC	AC	AC 90-250V	15A	AC40~480V	G NJG2-SAA250-15A380	471508
1P	AC	AC	AC 90-250V	20A	AC40~480V	G NJG2-SAA250-20A380	471509
1P	AC	AC	AC 90-250V	25A	AC40~480V	G NJG2-SAA250-25A380	471510
1P	AC	AC	AC 90-250V	30A	AC40~480V	G NJG2-SAA250-30A380	471511
1P	AC	AC	AC 90-250V	40A	AC40~480V	G NJG2-SAA250-40A380	471512
1P	AC	AC	AC 90-250V	60A	AC40~480V	G NJG2-SAA250-60A380	471513
1P	AC	AC	AC 90-250V	80A	AC40~480V	G NJG2-SAA250-80A380	471514
1P	AC	AC	AC 90-250V	100A	AC40~480V	G NJG2-SAA250-100A380	471515
1P	AC	AC	AC 90-250V	120A	AC40~480V	G NJG2-SAA250-120A380	471516
1P	DC	DC	DC 5~32V	10A	DC12~250V	G NJG2-SDD032-10A024	471517
1P	DC	DC	DC 5~32V	15A	DC12~250V	G NJG2-SDD032-15A024	471518
1P	DC	DC	DC 5~32V	20A	DC12~250V	G NJG2-SDD032-20A024	471519

Poles	Input voltage	Output voltage	Input voltage range	Maximum load current	Load voltage	Model Description	Code
3P	DC	AC	DC 3~32V	10A	AC40~480V	G NJG2-TDA032-10A380	471520
3P	DC	AC	DC 3~32V	15A	AC40~480V	G NJG2-TDA032-15A380	471521
3P	DC	AC	DC 3~32V	20A	AC40~480V	G NJG2-TDA032-20A380	471522
3P	DC	AC	DC 3~32V	25A	AC40~480V	G NJG2-TDA032-25A380	471523
3P	DC	AC	DC 3~32V	30A	AC40~480V	G NJG2-TDA032-30A380	471524
3P	DC	AC	DC 3~32V	40A	AC40~480V	G NJG2-TDA032-40A380	471525
3P	DC	AC	DC 3~32V	60A	AC40~480V	G NJG2-TDA032-60A380	471526
3P	DC	AC	DC 3~32V	80A	AC40~480V	G NJG2-TDA032-80A380	471527
3P	DC	AC	DC 3~32V	100A	AC40~480V	G NJG2-TDA032-100A380	471528
3P	DC	AC	DC 3~32V	120A	AC40~480V	G NJG2-TDA032-120A380	471529
3P	AC	AC	AC 90-250V	10A	AC40~480V	G NJG2-TAA250-10A380	471530
3P	AC	AC	AC 90-250V	15A	AC40~480V	G NJG2-TAA250-15A380	471531
3P	AC	AC	AC 90-250V	20A	AC40~480V	G NJG2-TAA250-20A380	471532
3P	AC	AC	AC 90-250V	25A	AC40~480V	G NJG2-TAA250-25A380	471533
3P	AC	AC	AC 90-250V	30A	AC40~480V	G NJG2-TAA250-30A380	471534
3P	AC	AC	AC 90-250V	40A	AC40~480V	G NJG2-TAA250-40A380	471535
3P	AC	AC	AC 90-250V	60A	AC40~480V	G NJG2-TAA250-60A380	471536
3P	AC	AC	AC 90-250V	80A	AC40~480V	G NJG2-TAA250-80A380	471537
3P	AC	AC	AC 90-250V	100A	AC40~480V	G NJG2-TAA250-100A380	471538
3P	AC	AC	AC 90-250V	120A	AC40~480V	G NJG2-TAA250-120A380	471539
/				/	/	G RAD-NJG2-060	471540
/				/	/	G RAD-NJG2-061	471541
/				/	/	G RAD-NJG2-062	471542
/				/	/	G RAD-NJG2-063	471543
/				/	/	G RAD-NJG2-035	471544
/				/	/	G RAD-NJG2-034	471545
/				/	/	G RAD-NJG2-036	471546
/				/	/	G RAD-NJG2-037	471547
/				/	/	G RAD-NJG2-038	471548



NJB1-X Protection Relay (phase sequence,phase failure and three phase voltage unbalance)

1. General

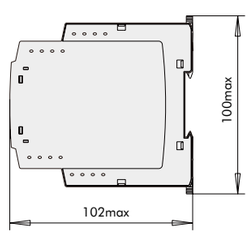
NJB1-X protection relay is suitable for use in control circuits with AC frequency of 50Hz/60Hz and a rated control power supply voltage of AC380V~AC480V as a phase failure, phase sequence, and three-phase voltage unbalance protection device to connect or disconnect circuits.

2. Technical data

Type	NJB1-X
Operating voltage	Three-phase three-wire system:AC380V,AC400V, AC415V, AC480V, 50Hz/60Hz Three-phase four-wire system: AC220V, AC230V
Three-phase unbalance Operation	Unbalance rate: 2%~22%
Unbalance Operation time	(0.1~30)s adjustable
Contact number	Delay 1 group of
Contact capacity	Ue/Ie:AC-15 240V/0.75A,415V/0.47A;Ith:3A
Indication mode	Power supply: green LED, delay output: yellow LED, alarm indication: red LED
Ambient temperature	-5℃~+40℃
Installation mode	Rail mounting, Equipment type

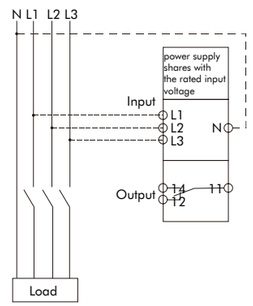
3. Overall and mounting dimensions (mm)

NJB1-X

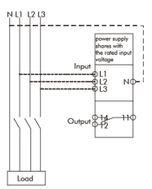


4. Wiring diagram

NJB1-X



NJB1	-	X
↓		↓
Product Series		**Functional code**
		X: phase sequence phase failure three-phase unbalance

	Operating voltage	Contact ability	Unbalance operating time	Contact group	Description	Code
	AC380V~480V	240V/0.75A,Ith:3A	(0.1~30)s adjusted	1Z	NJB1-X	310008



NJYB3 Series Voltage Protection Relays

1. General

NJYB3 voltage protection relay is mainly used in control circuit with AC frequency of 50Hz/60Hz and rated supply voltage of AC415V (3-phase, 3-wire) and of AC240V (3-phase, 4-wire) as protector of open pZZhase, phase sequence, three-phase voltage imbalance, overvoltage, undervoltage, PTC temperature protection and load terminal, making or breaking circuits. Standards:IEC/EN 60947-5-1.

2. Type designation

N JYB 3 - □ □

- P:PTC temperature protection,optional (Refer to following table)
- 1～18 Function code
- Design S.N
- Relay
- Enterprise featured code

N JYB 2 - □

- G: basic type; H: multifunctional
- Design serial number
- Protection relay
- Enterprise characteristic code of voltage

CE

3. Technical data

Model	Protection function	Protection operation time	Rated operational voltage	Contact capacity	Contact form	Electrical life	Mechanical life
NJYB3	Overvoltage	0.1s~10s	AC220V、AC240V(3-phase,4-wire)	Ue/Ie: AC-15 240V/0.75A, 415V/0.47A; Ith:3A	1Z	10^5	10^6
	Undervoltage						
	Three-phase voltage unbalance						
	Phase failure, phase sequence PTC temperature	≤1s	AC380V、AC 415V(3-phase,3-wire), 50Hz/60Hz				

Model	Three-phase	Three-phase four-wire	Single-phase/ two-phase	Overvoltage protection	Undervoltage protection	Unbalance protection	Phase sequence protection	Phase failure protection	PTC Temperature protection	Load protection
NJYB3-1	●	-	-	-	-	-	●	●	○	-
NJYB3-2	●	-	-	(1.05～1.30)×Us	-	-	-	●	-	-
NJYB3-3	●	-	-	-	(0.70～0.95)×Us	-	-	●	-	-
NJYB3-4	●	-	-	(1.05～1.30)×Us	(0.70～0.95)×Us	-	-	●	-	-
NJYB3-5	●	-	-	(1.05～1.30)×Us	(0.70～0.95)×Us	-	●	●	-	-
NJYB3-6	●	-	-	(1.05～1.30)×Us	(0.70～0.95)×Us	Fixed 20%	●	●	○	-
NJYB3-7	●	-	-	Fixed 120%×Us	Fixed 80%×Us	5%～15%	●	●	○	-
NJYB3-8	●	-	-	(1.05～1.30)×Us	(0.70～0.95)×Us	5%～15%	●	●	○	-
NJYB3-9	-	●	●	(1.05～1.30)×Us	-	-	-	●	-	-
NJYB3-10	-	●	●	-	(0.70～0.95)×Us	-	-	●	-	-
NJYB3-11	-	●	●	(1.05～1.30) xUs	(0.70～0.95)×Us	-	-	●	-	-
NJYB3-12	-	●	-	(1.05～1.30)×Us	(0.70～0.95)×Us	-	●	●	-	-
NJYB3-13	-	●	-	(1.05～1.30)×Us	(0.70～0.95)×Us	Fixed 20%	●	●	○	-
NJYB3-14	-	●	-	Fixed 120% xUs	Fixed 80%×Us	5%～15%	●	●	○	-
NJYB3-15	-	●	-	(1.05～1.30) xUs	(0.70～0.95)×Us	5%～15%	●	●	○	-
NJYB3-16	-	●	-	-	-	-	●	●	○	-
NJYB3-17P	●	-	-	-	-	-	-	●	●	-
NJYB3-18	●	-	-	(1.05～1.30)xUs	(0.70～0.95)×Us	Fixed 20%	●	●	-	●

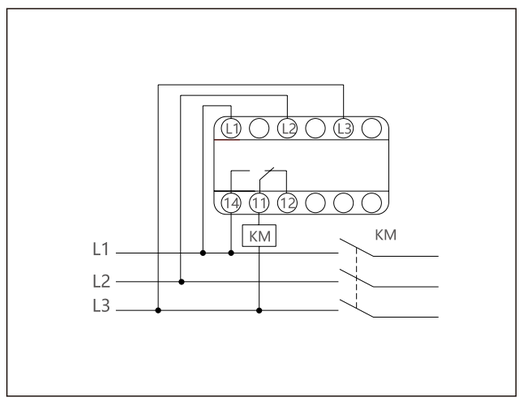
Note: ● mean it must have this function;
- mean it certainly does not have this function;
○ mean this function can be chosen, or can be selected.

Immunity

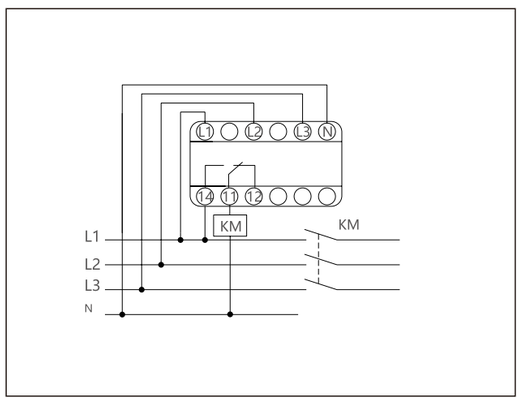
Item	Severity level
Electrostatic discharge immunity	8kV(air discharge)
Radiated electromagnetic field immunity	Test eletric field strength:10V/m
Fast transient immunity	2kV/5kHz on the power supply side
Surge(impact)immunity	1kV(wire to wire)

4. Wiring diagram

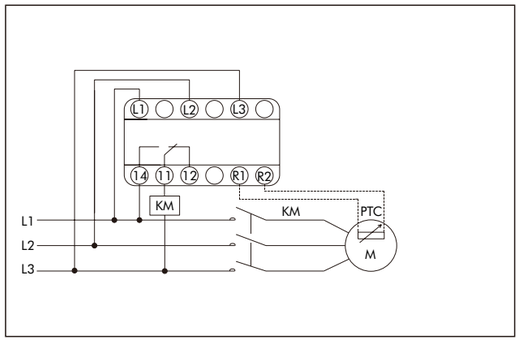
NJYB3-1, NJYB3-2, NJYB3-3, NJYB3-4, NJYB3-5, NJYB3-6,NJYB3-7, NJYB3-8 Wiring diagram



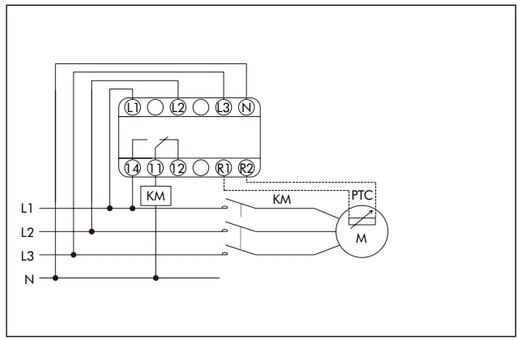
NJYB3-12, NJYB3-13, NJYB3-14, NJYB3-15, NJYB3-16 Wiring diagram



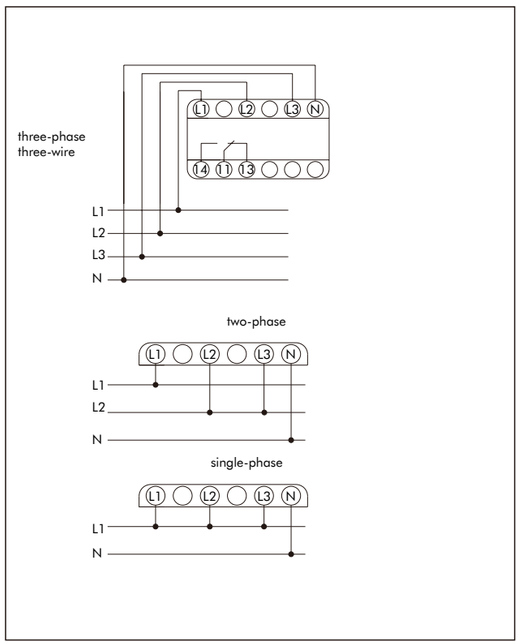
NJYB3-1P、NJYB3-6P、NJYB3-7P、NJYB3-8P、NJYB3-17P
Wiring diagram



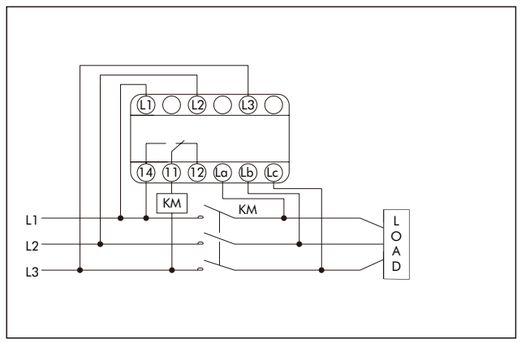
NJYB3-13P、NJYB3-14P、NJYB3-15P、NJYB3-16P
Wiring diagram



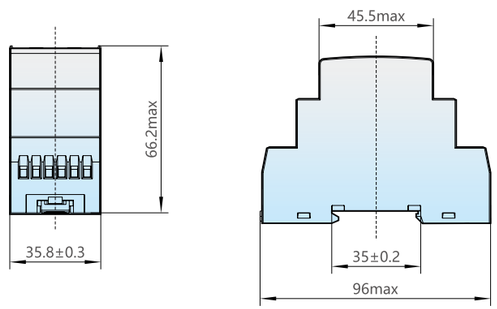
NJYB3-9、NJYB3-10、NJYB3-11 Wiring diagram



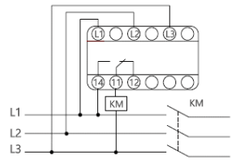
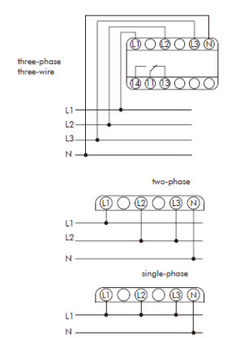
NJYB3-18 Wiring diagram

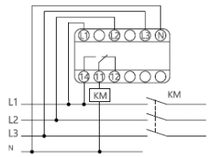
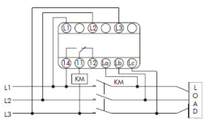
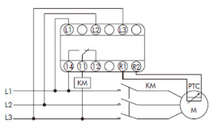
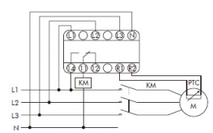


5. Overall and mounting dimensions (mm)



NJYB3	-	13	P	AC415V
Product Series		**Functional code**	**Additional function**	**Control voltage**
		G: phase sequence, phase failure H: phase sequence, phase failure, three-phase unbalance, overvoltage, undervoltage	Blank: no additional function P: PTC temperature protection	AC220V AC240V AC380V AC415V

	Control voltage	Contact ability	Operating time (phase failure, phase sequence, PTC)	Contact group	Description	Code
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-1 AC380V	697020
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-2 AC380V	697021
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-3 AC380V	697022
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-4 AC380V	697023
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-5 AC380V	697024
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-6 AC380V	697025
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-7 AC380V	697026
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-8 AC380V	697027
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-1 AC415V	292481
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-2 AC415V	292482
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-3 AC415V	292483
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-4 AC415V	292484
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-5 AC415V	292485
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-6 AC415V	292486
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-7 AC415V	292487
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-8 AC415V	292488
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-9 AC220V	697028
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-10 AC220V	697029
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-11 AC220V	697030
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-9 AC240V	292489
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-10 AC240V	292490
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-11 AC240V	292491

	Control voltage	Contact ability	Operating time (phase failure, phase sequence, PTC)	Contact group	Description	Code
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-12 AC220V	697031
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-13 AC220V	697032
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-14 AC220V	697033
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-15 AC220V	697034
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-16 AC220V	697035
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-12 AC240V	292492
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-13 AC240V	292493
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-14 AC240V	292494
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-15 AC240V	292495
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-16 AC240V	292496
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-18 AC380V	697037
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-18 AC415V	292498
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-1P AC380V	697038
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-6P AC380V	697039
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-7P AC380V	697040
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-8P AC380V	697041
	AC380V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-17P AC380V	697036
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-1P AC415V	292499
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-6P AC415V	292500
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-7P AC415V	292501
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-8P AC415V	292502
	AC415V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-17P AC415V	292497
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-13P AC220V	697042
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-14P AC220V	697043
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-15P AC220V	697044
	AC220V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-16P AC220V	697045
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-13P AC240V	292503
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-14P AC240V	292504
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-15P AC240V	292505
	AC240V	240V/0.75A,Ith:3A	≤0.1s	1Z	NJYB3-16P AC240V	292506



XJ3 Series Phase Failure and Phase Sequence Protection Relays

1. General

Phase failure and phase sequence protective relay (hereinafter referred to as relay) is applicable to control circuits with frequency of AC 50Hz/60Hz and rated control power supply voltage up to AC380V, for protection of phase failure, phase sequence, overvoltage and undervoltage. XJ3-G series phase failure and phase sequence protective relay("relay" in short) is mainly used in control circuit with AC frequency of 50Hz/60Hz and rated control supply voltage up to AC380V for the protection and control of fault status such as open phase, phase sequence and three-phase voltage imbalance. Standards:IEC/EN 60947-5-1.

2. Type designation

XJ 3 - □

- Remodel(derived model)
  - G: monochrome luminotron fault indication type (open-phase, phase sequence, three-phase voltage imbalance)
  - G1: monochrome luminotron fault indication type (open-phase, phase sequence)
  - D: multifunction protection,multimode indication type
- Design sequence No.
- Phase-failure and phase-sequence protective relay

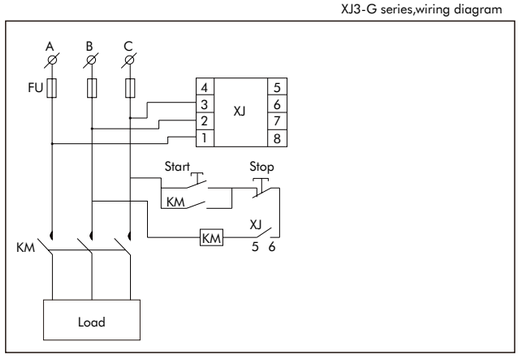
3. Technical data

Type	XJ3-G	XJ3-G1	XJ3-D
Protection function	open-phase,phase sequence,three-phase voltage imbalance,unbalance≥8%-13%	open-phase,phase sequence	Phase failure, phase sequence, overvoltage, undervoltage
Overvoltage protection(AC)			AC380V~AC460V adjustable, operating time:1.5s~4s adjustable
Undervoltage protection(AC)			AC300V~AC380V adijustable, operating time:2s~9s adjustable
Operating voltage	AC 380V 50Hz/60Hz, Allowable fluctuating range±10%		AC380 50Hz/60Hz
Contact number	1 normally open & 1 normally close		1 group changeover
Contact capacity	Ue/Ie: AC-15 240V/0.75A,415V/0.47A;; Ith:5A		Ue/Ie: AC-15 415V/0.47A; Ith:3A
Phase-failure and phase-sequence protection	Reacting time≤2s		Reacting time≤1s
Electrical life	1×10^5		
Mechanical life	1×10^6		
Ambient temperature	-5℃ ~40℃		
Installation mode	TH35-7.5(thickness 1.0 mm) rail		35mm Track installation or soleplate mounting

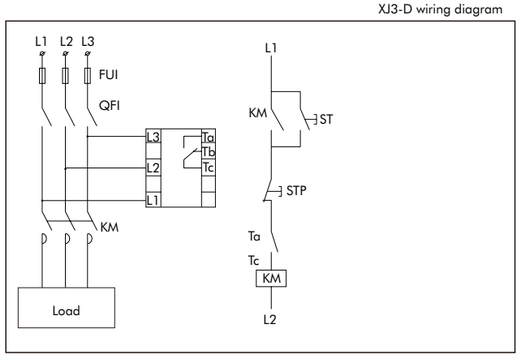
Note: In the example diagram for application circuit, protective relay can provide protection only under the condition of phase-failure occurring at terminal 1, 2, 3 and among three phase of power supply A, B, C.

4. Wiring diagram

XJ3-G series,wiring diagram

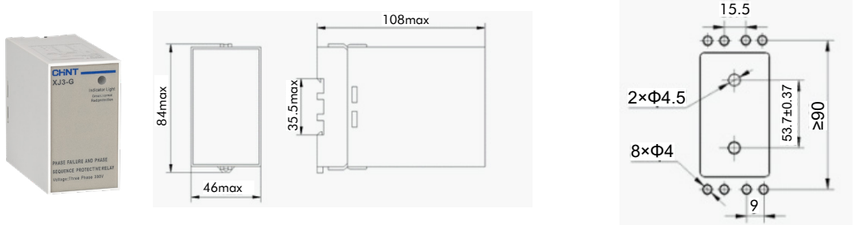


XJ3-D wiring diagram

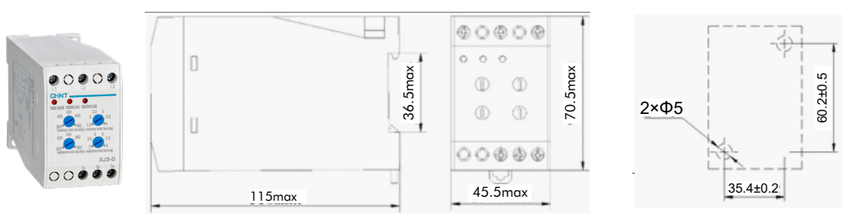


5. Overall and mounting dimensions (mm)

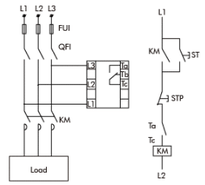
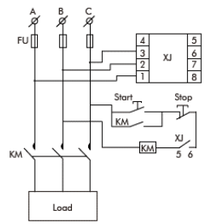
XJ3-G series overall and mouting demensions



XJ3-D overall and mounting dimension



XJ3	-	D	AC380V
Product Series		**Functional code**	**Control voltage**
		D: phase sequence, phase failure, overvoltage, undervoltage G: phase sequence, phase failure, three-phase unbalance G1: phase sequence, phase failure	AC380V

	Control voltage	Contact ability	Operating time (phase failure, phase sequence)	Contact group	Description	Code
	AC380V	240V/0.75A,Ith:5A	≤0.1s	1Z	XJ3-D AC380V	284003
	AC380V	240V/0.75A,Ith:5A	≤0.1s	1Z	XJ3-G AC380V	284004
	AC380V	240V/0.75A,Ith:5A	≤0.1s	1Z	XJ3-G1 AC380V	328170



2. Type designation

N JBK 7 - 800 □ □ / □

- Rated current:5,10,40,100,400,800
- None:communication interface is not available
  T:RS485 interface
- None:4mA~20mA analog transformation is not available
  M:4mA~20mA analog transmission
- Specification code
- Design sequence No.
- Motor protection relay
- Company code

NJBK7 Series Motor Protection Relays

1. General

NJBK7-800 motor protector (hereinafter referred to as the protector) is applicable to the protection of overload, blocking, phase failure, three-phase current unbalance, undercurrent, grounding, PTC temperature and communication failure of none-stop or intermittent duty AC motors with AC frequency 50Hz, rated insulation voltage below AC690V and rated operating current 1A~800A. Equipped with RS485 interface and 4mA ~ 20mA analog transmission interface, the protector can achieve network communication. The remote monitoring, control, fault inquiry and other functions of the motor are realized through the upper computer. The large current specification uses a flexible Rogowski coil to collect current, which has the advantages of wide range of setting current, high precision and convenient installation. The protector is generally used in conjunction with an AC contactor.

Standards:IEC/EN 60947-4-1

3.Key Technical Parameters

Table 1 Ambient Conditions

Normal use conditions	Ambient temp.: -5℃ ~+40℃ ; average value within 24h not exceeding +35℃ ; altitude not exceeding 2,000m.
Atmospheric conditions	RH shall not exceed 50% when maximum temperature is +40 ℃ ; in case of lower temperature, higher RH is allowed. Measures should be taken against occasional condensation due to temperature change.
Installation category	Ⅲ
Transport and storage conditions	-25℃ ~+55℃

Table 2 Product Specifications and Main Technical Parameters

Model	**NJBK7-800/5 NJBK7-800M/5 NJBK7-800T/5 NJBK7-800MT/5**	**NJBK7-800/10 NJBK7-800M/10 NJBK7-800T/10 NJBK7-800MT/10**	**NJBK7-800/40 NJBK7-800M/40 NJBK7-800T/40 NJBK7-800MT/40**	**NJBK7-800/100 NJBK7-800M/100 NJBK7-800T/100 NJBK7-800MT/100**	**NJBK7-800/400 NJBK7-800M/400 NJBK7-800T/400 NJBK7-800MT/400**	**NJBK7-800/800 NJBK7-800M/800 NJBK7-800T/800 NJBK7-800MT/800**
Display method	Nixie tube and indicator light.					
Protection function	Overload, blocking, loss of phase, three-phase current unbalance, undercurrent, grounding, PTC temperature and communication failure.					
Number of contacts	1 group of change-over (protective), 1 group of normally on (auxiliary).					

CE

Table 3 Main Circuit Technical Parameters

Product Model	**NJBK7-800 □□ /5**	**NJBK7-800 □□ /10**	**NJBK7-800 □□ /40**	**NJBK7-800 □□ /100**	**NJBK7-800 □□ /400**	**NJBK7-800 □□ /800**
Rated insulation voltage	AC690V					
Rated control supply voltage Us , frequency	85%Us~110%Us ,AC220V, AC230V, AC240V, AC380V, AC400V, AC415V, 50Hz					
Rated impulse withstand voltage Uimp	4kV					
Rated conditional short-circuit current	10kA				30kA	
Enclosure protection class (if applicable)	IP20					
Pollution class	Class 3					
Rated duty	8h duty or non-stop duty					
Electromagnetic environment	B					

Table 4 Auxiliary Circuit Technical Parameters

	NJBK7 Series
Rated insulation voltage (V)	AC480
Rated impulse withstand voltage Uimp (kV)	2.5
Contact capacity	Ue/Ie:480V/0.75A,240V/1.5A;Ith:5A

5. Trip characteristic

5.1 Trip characteristic of inverse time lag: When the current value exceeds 1.05 times of the setting current value, the protector will start the inverse time lag overload protection function. The protector will simulate and calculate the thermal accumulation and motion time of the motor according to the overload multiple of the overload current. When the thermal accumulation reaches a certain value, the protector will motion and cut off the AC contactor to protect the motor. For the relationship between overload current and time, please refer to Figure 1 and table 5.

Overload curve \ **Motion time(s)** \ **Overload multiple**	**1.05**	**1.2**	**1.5**	**2**	**5**	**6**	**7.2**	**Note**
Kr=1	No Motion	63	40	22	3.6	2.5	1.8	Meet the 5 level
Kr=2		125	80	45	7.2	5	3.5	Meet the 10 level
Kr=3		250	160	90	14	10	6.9	Meet the 10 level
Kr=4		500	320	180	29	20	14	Meet the 20 level
Kr=5		750	480	270	43	30	21	Meet the 30 level

5.2 Trip characteristic of blocking protection: When the maximum phase current ≥ the setting current value × the set blocking ratio, the protector motions, and the motion time is the set blocking motion time.

5.3 Trip characteristic of phase loss protection:When any one of the three-phase currents in the main circuit is zero, the protector will act within 3 seconds.

5.4 Trip characteristic of three-phase unbalance protection: When the three-phase current of the main circuit conforms to the following formula, the protector motions, and the motion time ≤3s.

$$\frac{M^{3}ax \mid Ii\text{-}Iavg \mid}{Iavg} \times 100\% \geq \text{Set current unbalancerate}$$

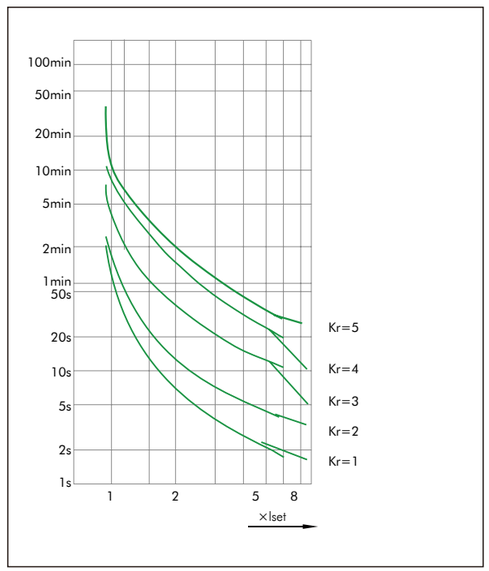
Where: I_i——Effective current value of each phase.

I_{avg}——Mean value of effective three-phase current values.

5.5 Trip characteristic of undercurrent protection: When the minimum phase current ≤ the set current value × the set undercurrent percentage, the protector motions, and the motion time is the set undercurrent motion time.

5.6 Trip characteristic of grounding protection: The ground fault protection of the protector is realized by an external zero-sequence current transformer. When the current passing through the primary side of the zero-sequence current transformer is within (0.9-1.1) times of the motion current range, the protector motions, and the motion time ≤1s.

Tripping characteristic curve



5.7 Characteristic of temperature protection: The overheat protection function of the protector is realized by detecting the resistance value of the PTC thermistor embedded in the stator winding of the motor. When the resistance value of the PTC thermistor ≤ 750 Ω, the protector will not motion; when the resistance value of the PTC thermistor is in the range of 1650 Ω ~ 4000 Ω, the protector will motion for ≤ 1s; when the resistance value of the PTC thermistor is in the range of 750 Ω ~ 1650 Ω, the protector can be reset; When the user does not select the temperature protection function, terminals T1 and T2 must be short circuited.

5.8 Characteristic of communication failure: The protector and the transformer are connected through a dedicated cable, and when the cable is broken or damaged, the protector motions, and the motion time ≤3s.

5.9 Communication the protector is provided with RS485 interface supporting Modbus protocol. If the communication network is required, please contact us, and we'll provide you with detailed communication specification for protector.

6. Typical wiring

Figure 1 Wiring Diagram of Direct Start-up(Use the START button function on the panel)

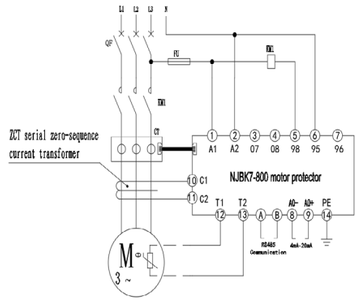


Figure 2 Wiring Diagram of Direct Start-up(Cancel the START button function on the panel)

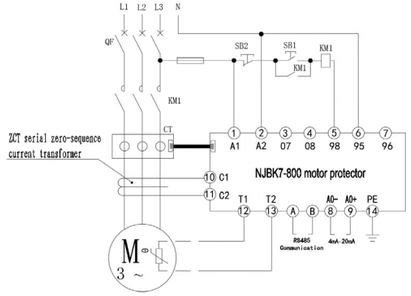


Figure 3 Wiring Diagram of Secondary Direct Start-up(Use the START button function on the panel)

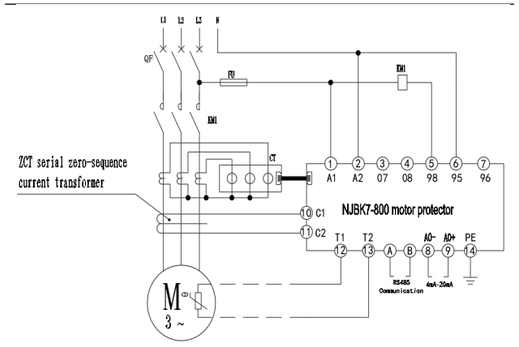


Figure 4 Wiring Diagram of Secondary Direct Start-up(Cancel the START button function on the panel)

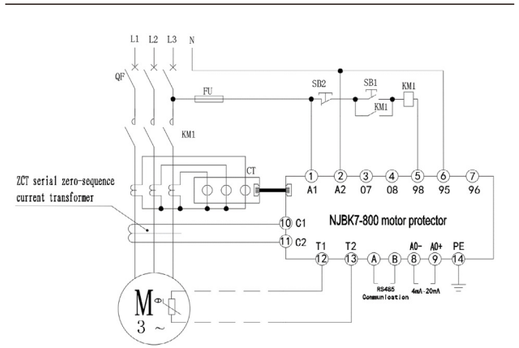


Figure 5 Wiring Diagram of Star-delta Start-up(Use the START button function on the panel)

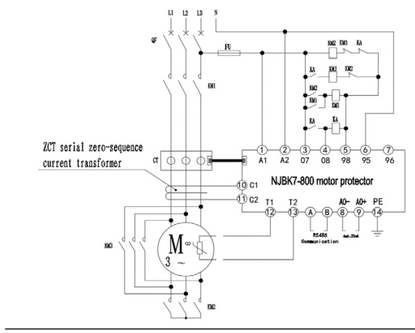


Figure 6 Wiring Diagram of Self-coupling Buck Start-up(Use the START button function on the panel)

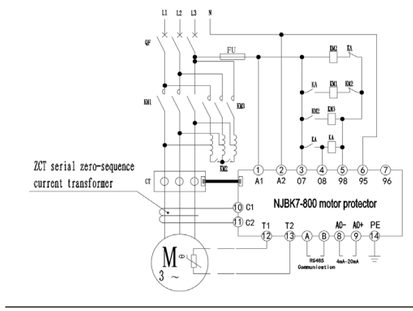


Figure 7 Outline and Installation Size of the Protector with Rated Current of 5A, 10A, 40A

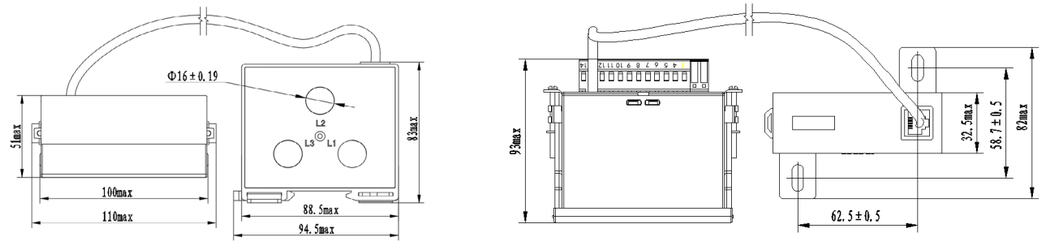


Figure 8 Outline and Installation Size of the Protector with Rated Current of 100A

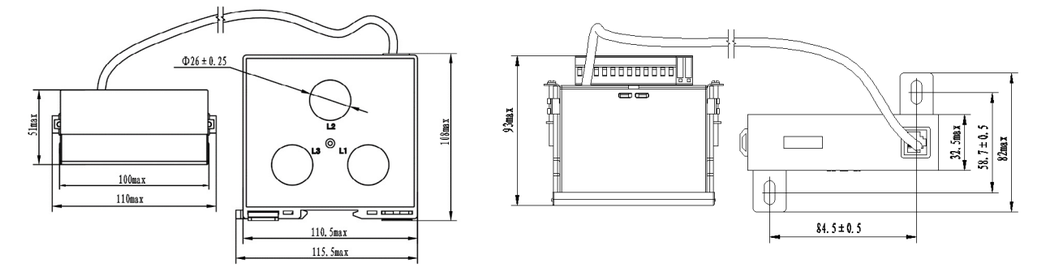
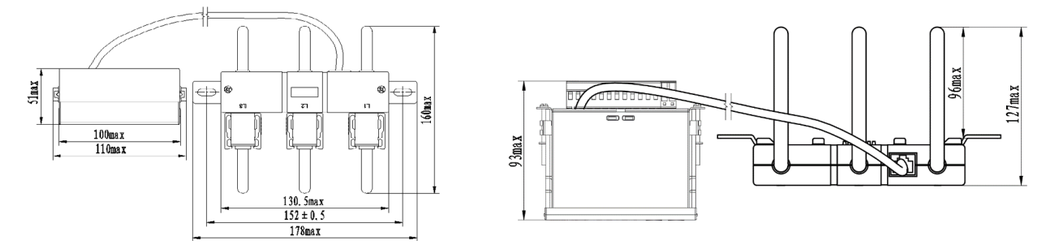


Figure 9 Outline and Installation Size of the Protector with Rated Current of 400A, 800A



NJBK7	-	800	M	T	/	800	/	AC220V	200A-800A
Product Series		Frame size	Analog transmission function	Communication function		Maximum setting current		Control voltage	Setting current range
		800	Blank: no such function M: with analog transmission function	Blank: no communication T: RS485 interface		5: 5A 10: 10A 40: 40A 100: 100A 400: 400A 800: 800A		AC220V AC380V	1A-5A 2A-10A 8A-40A 20A-100A 80A-400A 200A-800A

Functional selection table

Model	Overload	Phase failure	Ground protection	Undercurrent	Three-phase unbalance	Communication fault protection	PTC	Communication	4-20mA	Split type
NJBK7-800	●	●	●	●	●	●	●			●
NJBK7-800M	●	●	●	●	●	●	●		●	●
NJBK7-800T	●	●	●	●	●	●	●	●		●
NJBK7-800MT	●	●	●	●	●	●	●	●	●	●

Setting current	Matched motor power	Control voltage	Contact ability	Description	Code
1A-5A	0.5~2.5kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800/5/AC220V 1A-5A	107396
1A-5A	0.5~2.5kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800/5/AC380V 1A-5A	107397
2A-10A	1~5kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800/10/AC220V 2A-10A	107398
2A-10A	1~5kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800/10/AC380V 2A-10A	107399
8A-40A	4~20kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800/40/AC220V 8A-40A	107400
8A-40A	4~20kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800/40/AC380V 8A-40A	107401
20A-100A	10~50kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800/100/AC220V 20A-100A	107402
20A-100A	10~50kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800/100/AC380V 20A-100A	107403
80A-400A	40~200kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800/400/AC220V 80A-400A	107404
80A-400A	40~200kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800/400/AC380V 80A-400A	107405
200A-800A	100~400kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800/800/AC220V 200A-800A	107406
200A-800A	100~400kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800/800/AC380V 200A-800A	107407
1A-5A	0.5~2.5kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800M/5/AC220V 1A-5A	107408
1A-5A	0.5~2.5kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800M/5/AC380V 1A-5A	107409
2A-10A	1~5kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800M/10/AC220V 2A-10A	107410
2A-10A	1~5kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800M/10/AC380V 2A-10A	107411
8A-40A	4~20kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800M/40/AC220V 8A-40A	107412
8A-40A	4~20kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800M/40/AC380V 8A-40A	107413
20A-100A	10~50kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800M/100/AC220V 20A-100A	107414
20A-100A	10~50kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800M/100/AC380V 20A-100A	107415
80A-400A	40~200kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800M/400/AC220V 80A-400A	107416
80A-400A	40~200kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800M/400/AC380V 80A-400A	107417
200A-800A	100~400kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800M/800/AC220V 200A-800A	107418
200A-800A	100~400kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800M/800/AC380V 200A-800A	107419
1A-5A	0.5~2.5kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800T/5/AC220V 1A-5A	107420
1A-5A	0.5~2.5kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800T/5/AC380V 1A-5A	107421
2A-10A	1~5kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800T/10/AC220V 2A-10A	107422
2A-10A	1~5kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800T/10/AC380V 2A-10A	107423
8A-40A	4~20kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800T/40/AC220V 8A-40A	107424
8A-40A	4~20kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800T/40/AC380V 8A-40A	107425
20A-100A	10~50kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800T/100/AC220V 20A-100A	107426
20A-100A	10~50kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800T/100/AC380V 20A-100A	107427
80A-400A	40~200kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800T/400/AC220V 80A-400A	107428
80A-400A	40~200kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800T/400/AC380V 80A-400A	107429
200A-800A	100~400kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800T/800/AC220V 200A-800A	107430
200A-800A	100~400kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800T/800/AC380V 200A-800A	107431
1A-5A	0.5~2.5kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800MT/5/AC220V 1A-5A	107432
1A-5A	0.5~2.5kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800MT/5/AC380V 1A-5A	107433
2A-10A	1~5kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800MT/10/AC220V 2A-10A	107434
2A-10A	1~5kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800MT/10/AC380V 2A-10A	107435
8A-40A	4~20kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800MT/40/AC220V 8A-40A	107436
8A-40A	4~20kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800MT/40/AC380V 8A-40A	107437
20A-100A	10~50kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800MT/100/AC220V 20A-100A	107438
20A-100A	10~50kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800MT/100/AC380V 20A-100A	107439
80A-400A	40~200kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800MT/400/AC220V 80A-400A	107440
80A-400A	40~200kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800MT/400/AC380V 80A-400A	107441
200A-800A	100~400kW	AC220V	240V/0.75A,Ith:5A	NJBK7-800MT/800/AC220V 200A-800A	107442
200A-800A	100~400kW	AC380V	240V/0.75A,Ith:5A	NJBK7-800MT/800/AC380V 200A-800A	107443



NJBK1 Series Motor Protection Relays

1. General

NJBK1 series motor protector (hereinafter referred to as the protector) is applicable to the protection of overload, loss of phase and three-phase current unbalance of none-stop or intermittent duty AC motors with AC 50Hz, rated insulation voltage below 690V and rated operating current 1A~400A.
Standards:IEC/EN 60947-4-1

2.Key Technical Parameters

Table 1 Ambient Conditions

Normal use conditions	Ambient temp.: -5 ℃ ~+40 ℃ ; average value within 24h not exceeding +35 ℃ ; altitude not exceeding 2,000m.
Atmospheric conditions	RH shall not exceed 50% when maximum temperature is +40 ℃ ; in case of lower temperature, higher RH is allowed. Measures should be taken against occasional condensation due to temperature change.
Installation category	Ⅲ
Transport and storage conditions	-25℃ ~+55℃

Table 2 Product Specifications and Main Technical Parameters

Model	NJBK1-80/5	NJBK1-80/10	NJBK1-80/30	NJBK1-80/80	NJBK1-400/200	NJBK1-400/400
Setting current (A)	5	10	30	80	200	400
Current setting range (A)	1~5	2~10	6~30	16~80	40~200	80~400
Motor power (kW)	0.5~2.5	1~5	3~15	8~40	20~100	40~200
Installation method	Guide rail type, device type					
Display method	LED					
Protection function	Overload, loss of phase and three-phase current unbalance					
Setting method	Knob					
Number of contacts	2 groups of normally open (95 and 98 are protection contacts, 07 and 08 are alarm contacts)					

Table 3 Main Circuit Technical Parameters

Product Model	NJBK1-80/5	NJBK1-80/10	NJBK1-80/30	NJBK1-80/80	NJBK1-400/200	NJBK1-400/400
Rated insulation voltage	690V					
Rated control supply voltage Us , frequency	85%Us~110%Us，AC220V、AC230V、AC240V、AC380V、AC400V、AC415V，50Hz					
Rated impulse withstand voltage Uimp	4kV					
Rated conditional short-circuit current	3kA					
Enclosure protection class (if applicable)	IP20					
Pollution class	Class 3					
Rated duty	8h duty or non-stop duty					
Electromagnetic environment	B					

Table 4 Auxiliary Circuit Technical Parameters

Product model	NJBK1-80、NJBK1-400
Rated insulation voltage (V)	415
Rated impulse withstand voltage Uimp (kV)	2.5
Contact capacity	Ue/Ie:415V/0.95A,240V/1.5A;Ith:5A

3. Structure characteristic

3.1 Structure characteristic
3. 1.1Knob sets current value and trip grade.
3.2 LED displays the current value, setting state, fault code and other information about the maximum phase.
3.3 With overload inverse time-lag protection, open-phase protection, three-phase current unbalance protection and other functions.
3.4 5 optional built-in overload curves,meet the use at different occasions.
3.5 Test / Reset: Operating status, press "Test / Reset" button for a short time to conduct simulated action test, and press it for a long time to enter setup mode; press this button to reset under fault conditions.
3.6 Pluggable terminal blocks, facilitate user connection.
3.7 Integrated design, simple structure, two installation methods of guide rail installation and screw mounting.
3.8 Fault memory and its instruction. In case of motor failure, LED flashes alternately and displays the fault code and maximum phase current value.

4. Protective characteristics

4.1 Overload operating characteristics

Overload multiple / Overload curve / Action time(s)	1.05	1.2	1.5	2	5	6	7.2	Remark
Kr=1	No action	63	40	22	3.6	2.5	1.8	Conform to Class 5
Kr=2	No action	125	80	45	7.2	5	3.5	Conform to Class 10A
Kr=3	No action	250	160	90	14	10	6.9	Conform to Class 10
Kr=4	No action	500	320	180	29	20	14	Conform to Class 20
Kr=5	No action	750	480	270	43	30	21	Conform to Class 30

4.2 Open-phase protection action characteristic
When any one phase current of the three-phase current of the main circuit is 0, the protector acts for 3s, with a relative error of±20%.
4.3 Action characteristics of three-phase current unbalance protection
When three-phase current of the main circuit complies with the formula below, the protector acts for 3s, with a relative deviation of±20%.

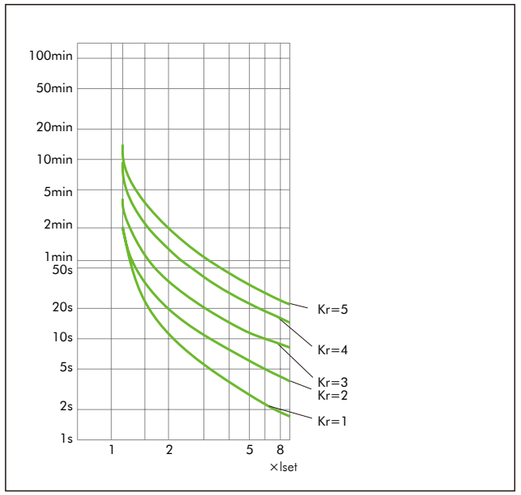
$$\frac{\max_{i=1} | Ii-Iavg |}{Iavg} \times 100\% > 30\%$$

Where:
Ii: Current effective value per phase
Iavg: Average value of three-phase current effective value

Tripping characteristic curve

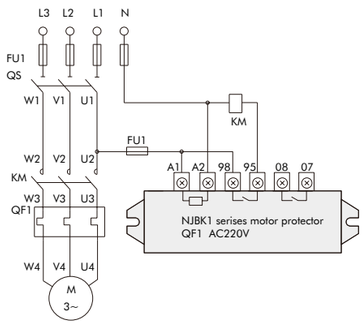
4.4 Tripping characteristic

Time - current characteristic curve

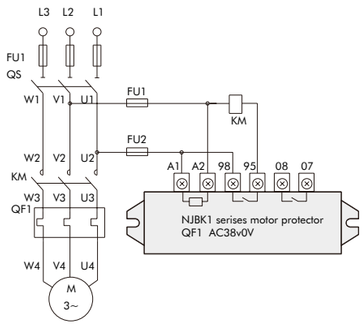


5. Wiring diagram

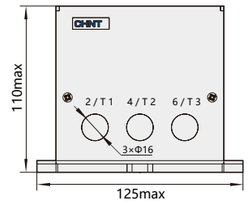
Control power supply voltage AC220V wiring diagram

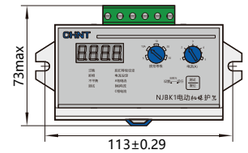


Control power supply voltage AC380V wiring diagram

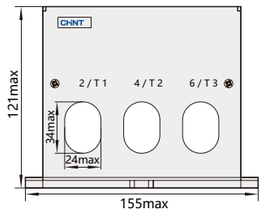


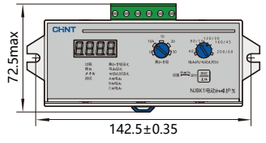
6. Overall and mounting dimensions (mm)











NJBK1	-	400	40A-200A	AC220V
↓		↓	↓	↓
Product Series		**Frame size**	**Setting current**	**Control voltage**
		80 400	1A-5A 2A-10A 6A-30A 16A-80A 40A-200A 80A-400A	AC220V AC380V

Setting current	Matched motor power	Control voltage	Contact ability	Description	Code
40A-200A	20~100kW	AC220V	240V/1.5A,Ith:5A	NJBK1-400 40A-200A AC220V	789004
40A-200A	20~100kW	AC380V	240V/1.5A,Ith:5A	NJBK1-400 40A-200A AC380V	789005
80A-400A	40~200kW	AC220V	240V/1.5A,Ith:5A	NJBK1-400 80A-400A AC220V	789006
80A-400A	40~200kW	AC380V	240V/1.5A,Ith:5A	NJBK1-400 80A-400A AC380V	789007
1A-5A	0.5~2.5kW	AC220V	240V/1.5A,Ith:5A	NJBK1-80 1A-5A AC220V	281180
1A-5A	0.5~2.5kW	AC380V	240V/1.5A,Ith:5A	NJBK1-80 1A-5A AC380V	281181
2A-10A	1~5kW	AC220V	240V/1.5A,Ith:5A	NJBK1-80 2A-10A AC220V	281182
2A-10A	1~5kW	AC380V	240V/1.5A,Ith:5A	NJBK1-80 2A-10A AC380V	281183
6A-30A	3~15kW	AC220V	240V/1.5A,Ith:5A	NJBK1-80 6A-30A AC220V	281184
6A-30A	3~15kW	AC380V	240V/1.5A,Ith:5A	NJBK1-80 6A-30A AC380V	281185
16A-80A	8~40kW	AC220V	240V/1.5A,Ith:5A	NJBK1-80 16A-80A AC220V	281186
16A-80A	8~40kW	AC380V	240V/1.5A,Ith:5A	NJBK1-80 16A-80A AC380V	281187



JD-5 Series Motor Protection Relays

1. General

JD-5 motor protector ("protector" in short) is mainly used for overload and phase-loss protection of continous duty or non-continous duty AC motor with AC frequency of 50Hz, rated insulation voltage below AC690V and rated operating current of 0.5A~400A.
Standards:IEC/EN 60947-4-1

2.Key Technical Parameters

Table 1 Ambient Conditions

Normal use conditions	Ambient temp.: -5℃ ~+40℃ ; average value within 24h not exceeding +35℃ ; altitude not exceeding 2,000m.
Atmospheric conditions	RH shall not exceed 50% when maximum temperature is +40℃ ; in case of lower temperature, higher RH is allowed. Measures should be taken against occasional condensation due to temperature change.
Installation category	Ⅲ
Transport and storage conditions	-25℃ ~+55℃

Table 2 Product specifications and key technical parameters

Model	JD-5/5	JD-5/20	JD-5/80		JD-5/200	JD-5/400
Current setup range (A)	0.5~5	2~20	20~80	1~80	80~200	160~400
Applicable motor power (kW)	0.25~2.5	1~10	10~40	0.5~40	40~100	80~200
Installation method	Molded case					
Setting method	Knob					
Display method	LED					
Protection functions	Overload, loss of phase					
Contact number	1 NO				1 change-over	

Table 3 Main Circuit Technical Parameters

Product Model	JD-5/5	JD-5/20	JD-5/80	JD-5/200	JD-5/400
Rated insulation voltage	690V				
Rated control supply voltage Us , frequency	85%Us~110%Us ,AC220V、AC380V，50Hz				
Allowable flunctuation range of rated control supply voltage	85%Us~110%Us				
Rated impulse withstand voltage Uimp	4kV				
Rated conditional short-circuit current	30kA				
Enclosure protection class (if applicable)	IP00				
Pollution class	Class 3				
Rated duty	8h duty or non-stop duty				
Electromagnetic environment (EME)	B				

3. Design features

3.1 Three-phase electronic type, tripping grade (trip class): 10A.

3.2 Equipped with function of phase-failure and overload protection.

3.3 Equipped with continuously adjustable device for setting current.

3.4 Three indicators indicate normal, overload and phase-failure status respectively.

3.5 Main circuit adopts feed through wiring.

3.6 Installation mode: use bolts for installation.

Table 4 Auxiliary Circuit Technical Parameters

Product specifications	JD-5/5, JD-5/20, JD-5/80, JD-5/200, JD-5/400
Rated insulation voltage (V)	380V
Rated impulse withstand voltage Uimp(kV)	2.5kV
Contact capacity	Ue/Ie:415V/0.95A, 240V/1.5A;Ith:5A

4. Protection features

4.1 Operation characteristics under three-phase balanced-load status (see Table 3)

Table 3

S.N.	I/In	operating time	Test Condition	Ambient temperature
1	1.05	<2h non-tripping	Cold Status	+20℃
2	1.20	<2h tripping	Hot Status	
3	1.50	<2min tripping		
4	7.20	2s<Tp≤10s	Cold Status	

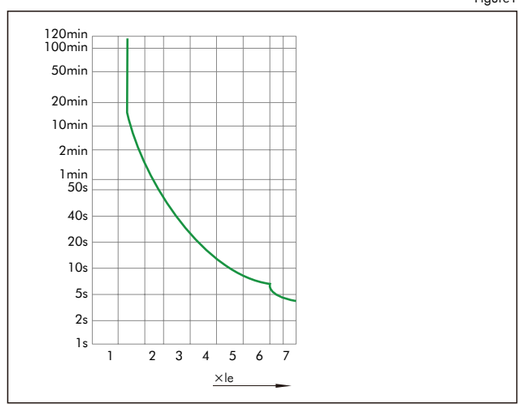
4.2 Operation characteristic under phase-failure status (see Table 4)

Table 4

S.N.	Multiple of setting current		operating time	Test Condition	Ambient temperature
	Any two phases	The Third phases			
1	1.0	0.9	<2h non-tripping	Cold Status	+20℃
2	1.15	0	≤5s	Hot Status	

4.3 Tripping feature

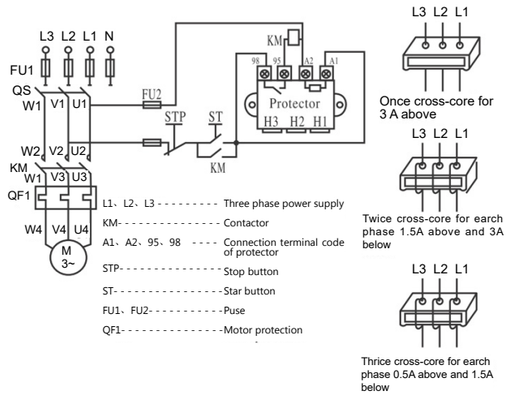
Figure1



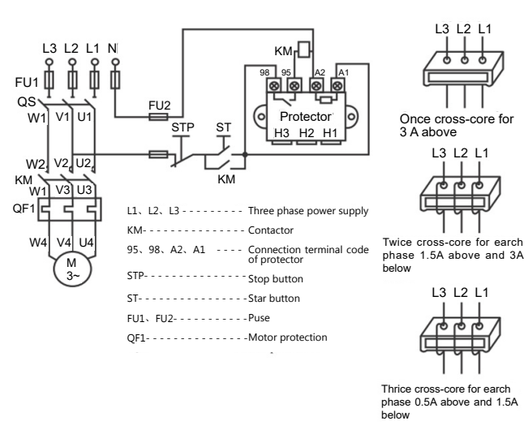
4.4 Reset mode: de-energizing reset

5. Wiring diagram

5.1 Wiring diagram for control power supply @ AC380V voltage

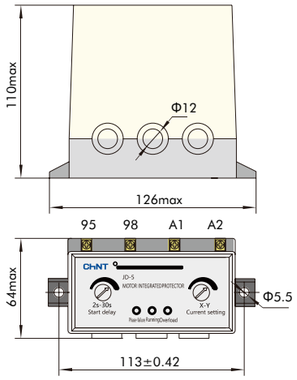


5.2 Wiring diagram for control power supply @ AC220V voltage

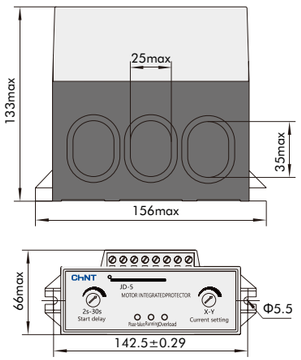


6. Overall and mounting dimensions (mm)

JD-5/80



JD-5/400



JD	-	5	2A-20A	AC220V(with buzzer)	1Z
Motor protector		**Designing series**	**Setting current**	**Control voltage and buzzer**	**Contact group**
			0.5A-5A 2A-20A 1A-80A 20A-80A 80A-200A 160A-400A	AC220V AC380V AC220V(with buzzer) AC380V(with buzzer)	Blank: 1NO 1Z: 1 change-over contact

Setting current	Matched motor power	Control voltage	Buzzer	Contact group	Description	Code
0.5A-5A	0.25~2.5kW	AC220V	/	1NO	JD-5 0.5A-5A AC220V	282059
0.5A-5A	0.25~2.5kW	AC380V	/	1NO	JD-5 0.5A-5A AC380V	282066
2A-20A	1~10kW	AC220V	/	1NO	JD-5 2A-20A AC220V	282060
2A-20A	1~10kW	AC380V	/	1NO	JD-5 2A-20A AC380V	282061
1A-80A	0.5~40kW	AC220V	/	1NO	JD-5 1A-80A AC220V	282085
1A-80A	0.5~40kW	AC380V	/	1NO	JD-5 1A-80A AC380V	282086
1A-80A	0.5~40kW	AC220V	Yes	1NO	JD-5 1A-80A AC220V(with buzzer)	282089
1A-80A	0.5~40kW	AC380V	Yes	1NO	JD-5 1A-80A AC380V(with buzzer)	282090
20A-80A	10~40kW	AC220V	/	1NO	JD-5 20A-80A AC220V	282065
20A-80A	10~40kW	AC380V	/	1NO	JD-5 20A-80A AC380V	282064
80A-200A	40~100kW	AC220V	/	1NO	JD-5 80A-200A AC220V	282067
80A-200A	40~100kW	AC380V	/	1NO	JD-5 80A-200A AC380V	282068
160A-400A	80~200kW	AC220V	/	1NO	JD-5 160A-400A AC220V	282069
160A-400A	80~200kW	AC380V	/	1NO	JD-5 160A-400A AC380V	282070
0.5A-5A	0.25~2.5kW	AC220V	/	1Z(change-over)	JD-5 0.5A-5A AC220V 1Z	218761
0.5A-5A	0.25~2.5kW	AC380V	/	1Z(change-over)	JD-5 0.5A-5A AC380V 1Z	218762
2A-20A	1~10kW	AC220V	/	1Z(change-over)	JD-5 2A-20A AC220V 1Z	218771
2A-20A	1~10kW	AC380V	/	1Z(change-over)	JD-5 2A-20A AC380V 1Z	218773
1A-80A	0.5~40kW	AC220V	/	1Z(change-over)	JD-5 1A-80A AC220V 1Z	218763
1A-80A	0.5~40kW	AC380V	/	1Z(change-over)	JD-5 1A-80A AC380V 1Z	218765
20A-80A	10~40kW	AC220V	/	1Z(change-over)	JD-5 20A-80A AC220V 1Z	218767
20A-80A	10~40kW	AC380V	/	1Z(change-over)	JD-5 20A-80A AC380V 1Z	218769
2A-20A	1~10kW	AC220V	Yes	1Z(change-over)	JD-5 2A-20A AC220V(with buzzer) 1Z	218772
2A-20A	1~10kW	AC380V	Yes	1Z(change-over)	JD-5 2A-20A AC380V(with buzzer) 1Z	218774
1A-80A	0.5~40kW	AC220V	Yes	1Z(change-over)	JD-5 1A-80A AC220V(with buzzer) 1Z	218764
1A-80A	0.5~40kW	AC380V	Yes	1Z(change-over)	JD-5 1A-80A AC380V(with buzzer) 1Z	218766
20A-80A	10~40kW	AC220V	Yes	1Z(change-over)	JD-5 20A-80A AC220V(with buzzer) 1Z	218768
20A-80A	10~40kW	AC380V	Yes	1Z(change-over)	JD-5 20A-80A AC380V(with buzzer) 1Z	218770



NJB1-YW Series Liquid Control Relays

1. General

NJB1-YW series liquid level relay(hereinafter referred to as the relay) is used for liquid level automatic control in civil water towers, elevated water tanks, underground reservoirs, etc.

with control circuits of AC frequency of 50Hz/60Hz and rated control voltage up to 380V. The relay can be wired to realize automatic water supply or discharge control upon users' request. This product is not applicable for liquid level control of poorly conductive liquids such as oil, purified water, explosive or inflammable chemical liquids as well as sewage with high density.

2. Type designation

N JB 1 - YW / □

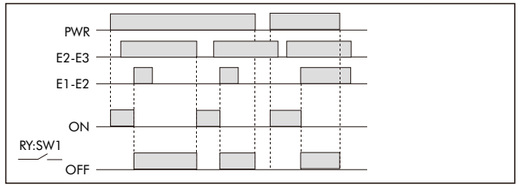
- Rated voltage of control power supply
- Function code:Liquid
- Design sequence No.
- Relay
- Enterprise featured code

3. Technical data

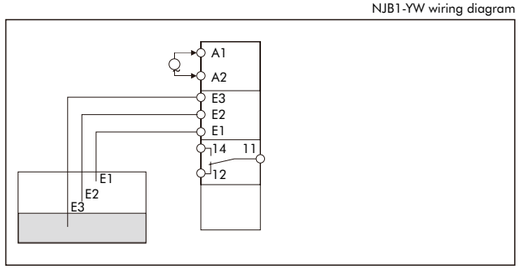
Type	NJB1-YW
Operating mode	Continuous working
Contact number	1 Switching
Contact capacity	Ue/Ie:AC-15 24V/0.75A,415V/0.47A;Ith:3A
Voltage between electrodes	DC12V
Power consumption	Max value about 3VA
Operation resistance	5kΩ~100kΩ(adjustable)
Resetting resistance	250kΩmax
Response time	0.1s~10s(adjustable)
Cable length	Max length 100m
Indication mode	Green LED: power supply indication; red LED:relay operation indication
Ambient temperature	-5℃~+40℃
Installation mode	Rail mounting, Equipment type

4. Operating time-sequence diagram and wiring diagram

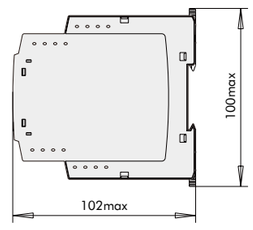
NJB1-YW operation time-sequence diagram



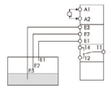
NJB1-YW wiring diagram



5. Overall and mounting dimensions (mm)



NJB1	-	YW	AC220V
↓		↓	↓
Product series		Liquid level control	Control voltage
			AC110V AC220V AC380V

	Control voltage	Contact ability	Contact group	Cable length	Description	Code
	AC110V	240V/0.75A, Ith:3A	1Z	≤100m	NJB1-YW AC110V	310021
	AC220V	240V/0.75A, Ith:3A	1Z	≤100m	NJB1-YW AC220V	310022
	AC380V	240V/0.75A, Ith:3A	1Z	≤100m	NJB1-YW AC380V	310023



NJYW1 Series Liquid Control Relays

1. General

Applied to the control circuit with AC 50Hz/60Hz and rated control power voltage up to 380V, NJYW1 series liquid level relay (hereinafter referred to as the relay) is mainly used for the automatic control of liquid level in civil water tower, high level water tank, underground water storage tank and etc. According to the user's wiring requirements, it can achieve the automatic control of water supply or drainage.

This product cannot be applied to the level control of the liquid with poor conductivity, such as oil, purified water, flammable and explosive chemical liquid and sewage with high density.

Standards:IEC/EN 60947-5-1

CE

2. Type designation

N JYW 1 - □□

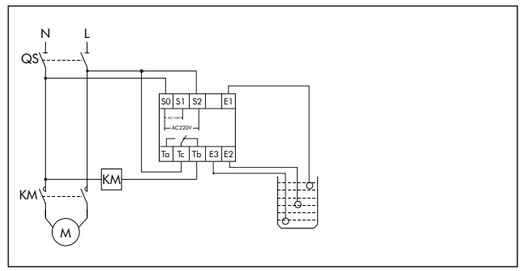
- Length of electrode lead-wire:
  L1:represents the max length of lead-wire is 1km
  L2:represents the max length of lead-wire is 2km
- Function code:
  N:water supply,water drainage type
  B:water supply and water drainage with anti-exhausted of pump type
- Design sequence No.
- Liquid
- Company code

3. Technical data

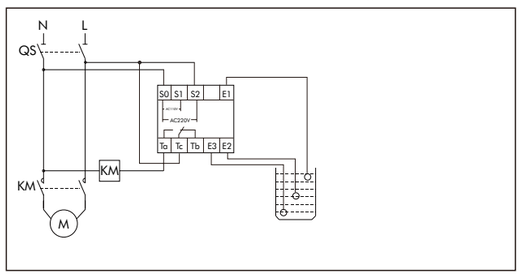
Type	NJYW1-NL1	NJYW1-NL2	NJYW1-BL1	NJYW1-BL2
Operating mode	Continuous working			
Contact number	One group changeover contact		One group of normally open,one group of normally closed	
Contact capacity	Ue/Ie: AC-15 240V/0.75A, 415V/0.47A; Ith:5A			
Rated control power voltage	AC36V, AC110V/220V, AC220V/380V,50Hz/60Hz		AC36V, AC110V, AC220V, AC380V, 50Hz/60Hz	
Allowable fluctuation range of rated control power supply voltage	85%~110%			
Control electrode voltage	24V			
Conductor length	Max 1km	Max 2km	Max 1km	Max 2km
Operating resistance	≤25kΩ			
Releasing resistance	≥2kΩ			
Response time	Reacting:max 80ms;releasing:max 160ms			
Ambient temperature	-5℃ ~+40℃			
Power consumption	<3VA			
Installation mode	Guide rail type or device type			

4. Wiring diagram

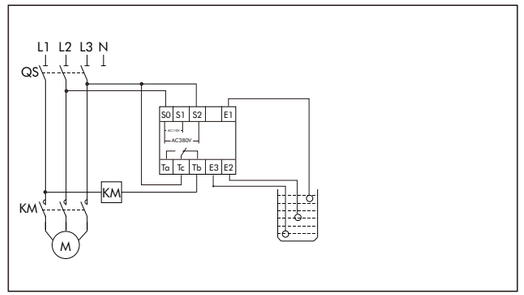
Wiring diagram for NJYW1-NL1, NJYW1-NL2
water supply mode 110V/220V



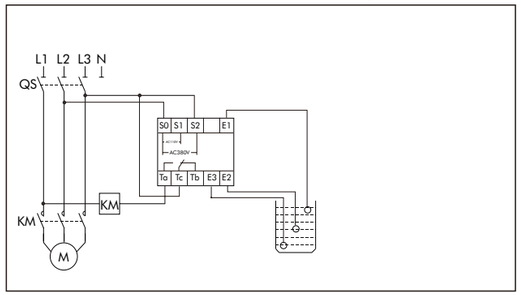
Wiring diagram for NJYW1-NL1, NJYW1-NL2
water drainage mode 110V/220V



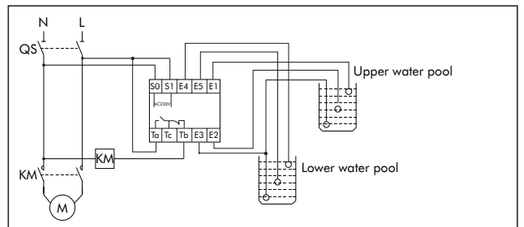
Wiring diagram for NJYW1-NL1, NJYW1-NL2
water supply mode 220V/380V



Wiring diagram for NJYW1-NL1, NJYW1-NL2
water drainage mode 220V/380V

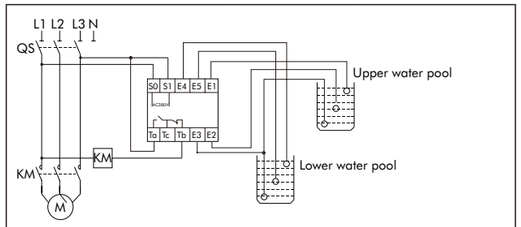


Wiring diagram for NJYW1-BL1 and NJYW1-BL2
upper/lower water pool level control 220V



Note:IN NJYW1-BL1 or NJYW1-BL2,Ta,Tc,Tb are not one group of changeover contacts,among which Ta & Tc are one group of independent normally open contacts;Tc & Tb are one group of normally closed contacts

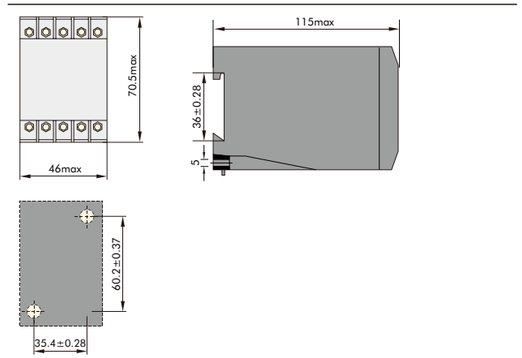
Wiring diagram for NJYW1-BL1 and NJYW1-BL2 upper/lower water pool level control 380V



Note:In NJYW1-BL1 or NJYW1-BL2,Ta,Tc,Tb are not one group of changeover contacts,among which Ta & Tc are one group of independent normally open contacts;Tc & Tb are one group of normally closed contacts

5. Overall and mounting dimensions (mm)

NJYW1-NL1,
NJYW1-NL2, NJYW1-BL1, and NJYW1-BL2



Note: NJYW1-BL1 & NJYW1-BL2 can be used as water supply or water drainage control independently, its wiring diagram referring to NJYW1-NL1.

NJYW1	-	N	L1	AC110V
Product series		Functional code	Length of electrode lead-wire:	Control voltage
		N:water supply,water drainage type B:water supply and water drainage withanti-exhausted of pump type	L1:the max length of lead-wire is 1km L2:the max length of lead-wire is 2km	AC36V AC110V AC220V AC380V AC110V/220V AC220V/380V

Control voltage	Contact ability	Contact group	Cable length	Description	Code
AC36V	240V/0.75A, Ith:5A	1Z	≤1km	NJYW1-NL1 AC36V	311014
AC220V	240V/0.75A, Ith:5A	1Z	≤1km	NJYW1-NL1 AC110V/220V	311015
AC220V/380V	240V/0.75A, Ith:5A	1Z	≤1km	NJYW1-NL1 AC220V/380V	311016
AC36V	240V/0.75A, Ith:5A	1Z	≤2km	NJYW1-NL2 AC36V	311017
AC220V	240V/0.75A, Ith:5A	1Z	≤2km	NJYW1-NL2 AC110V/220V	311018
AC220V/380V	240V/0.75A, Ith:5A	1Z	≤2km	NJYW1-NL2 AC220V/380V	311019
AC36V	240V/0.75A, Ith:5A	1NO+1NC	≤1km	NJYW1-BL1 AC36V	311020
AC110V	240V/0.75A, Ith:5A	1NO+1NC	≤1km	NJYW1-BL1 AC110V	311021
AC220V	240V/0.75A, Ith:5A	1NO+1NC	≤1km	NJYW1-BL1 AC220V	311022
AC220V/380V	240V/0.75A, Ith:5A	1NO+1NC	≤1km	NJYW1-BL1 AC380V	311023
AC36V	240V/0.75A, Ith:5A	1NO+1NC	≤2km	NJYW1-BL2 AC36V	311024
AC110V	240V/0.75A, Ith:5A	1NO+1NC	≤2km	NJYW1-BL2 AC110V	311025
AC220V	240V/0.75A, Ith:5A	1NO+1NC	≤2km	NJYW1-BL2 AC220V	311026
AC220V/380V	240V/0.75A, Ith:5A	1NO+1NC	≤2km	NJYW1-BL2 AC380V	311027
10A-16A	7.5kW	AC380V	/	NJBK5-10D 10A-16A AC380V	281121
20A-25A	11kW	AC380V	/	NJBK5-10D 20A-25A AC380V	281122



NJBK5 Series Motor Protection Relays

1. General

NJBK5 series motor (hereinafter referred to as the protector) is mainly applied in the circuit with AC 50Hz, rated operating voltage 380V and rated control power up to 11kW (current up to 22A) to control the direct start and stop of water pumps or motors. It can protect the motor from overload and phase loss, and can also realize the automatic control of liquid level in civil water towers, water reservoirs and etc.

This product does not apply to the liquid level control of oil, purified water, flammable and explosive chemical liquid, corrosive liquid and sewage with high density.

Standards:IEC/EN 60947-4-1

2.Key Technical Parameters

Table 1 Ambient Conditions

Normal use conditions	Ambient temp.: -5℃ ~+40℃ ; average value within 24h not exceeding +35℃ ; altitude not exceeding 2,000m.
Atmospheric conditions	RH shall not exceed 50% when maximum temperature is +40℃ ; in case of lower temperature, higher RH is allowed. Measures should be taken against occasional condensation due to temperature change.
Installation category	Ⅲ
Transport and storage conditions	-25℃ ~+55℃

Table 2 Product Specifications and Main Technical Parameters

Model	**NJBK5-10**				**NJBK5-10D**			
Current setting range (A)	0.72~2.4	3.5~11	10~16	20~25	0.72~2.4	3.5~11	10~16	20~25
Installation method	Device type							
Setting method	knob							
Display method	Indicator light							
Protection function	Overload, phase failure							

Table 3 Main Circuit Technical Parameters

Product Model			NJBK5-10 0.72A~2.4A NJBK5-10D 0.72A~2.4A	NJBK5-10 3.5A~11A NJBK5-10D 3.5A~11A	NJBK5-10 10A~16A NJBK5-10D 10A~16A	NJBK5-10 20A~25A NJBK5-10D 20A~25A
Rated insulation voltage			660V			
Rated control supply voltage Us , frequency			85%Us~110%Us ,AC220V、AC380V，50Hz			
Rated impulse withstand voltage Uimp			4kV			
Rated conditional short-circuit current			3kA			
Max rated power (kW)	AC-3	380V	1.1	5.5	7.5	11
		220V	0.55	3	4	5.5
Operation frequency (times / hour)		AC-3	1200			
		AC-4	300			
Conventional thermal current (A)			2.4	12	16	25
Model of supportive AC contactor			NXC-06/ CJX2-1210	NXC-12/ CJX2-1210	NXC-16/ CJX2-1810	NXC-25/ CJX2-2510
Model of supportive AC contactor			JD-8 0.5A~5A	JD-8 2A~20A	JD-8 2A~20A	JD-8 20A~80A
Number of feedthru windings			5	1	1	1
Enclosure protection class (if applicable)			IP55			
Pollution class			Class 3			
Rated duty			8h duty, non-stop duty or intermittent periodic duty			
Electromagnetic environment			B			
Liquid level control electrode lead distance			Up to 200m			
Requirements on controlled liquid			General civil water or sewage with good conductivity			
Mounting type			Installation type			

3. Protection characteristics of the controller

3.1 Phase failure protection characteristics of the controller: In case of failure of any phase of the three-phase main circuit passing through the center hole of the motor comprehensive protector in the controller, the motor comprehensive protector operates for a period of ≤5s.

3.2 Overload protection characteristics of the controller under balanced three-phase load.

No.	Setting current multiple	Operation time			Starting conditions
1	1.05	No action within 2h			Cold state start
2	1.2	Action within 2h			Start after No.1
3	1.5	Tripping class	30	≤12min	Start after applying a 1.0 times setting current for 2h
4	7.2	Tripping class	30	9s<Tp≤30s	Cold state start

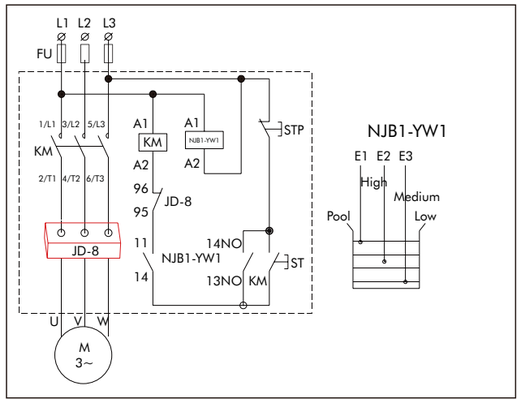
4. Features

The controller consists of a NXC or CJX2 series AC contactor, a JD-8 series motor comprehensive protector and an NJB1-YW1 liquid level relay in a protective enclosure and is divided into two types, with liquid level relay and without liquid level relay. Products with liquid level relay are used to control the start and stop and automatic pumping and drainage of water pumps and provide overload and phase failure protection. Products without liquid level relay are used to control the start and stop of motors and provide overload and phase failure protection.

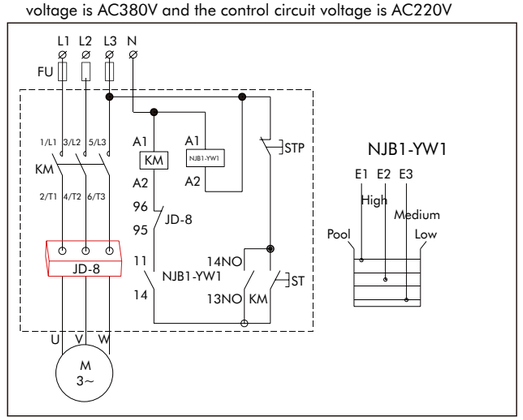
Setting of the motor comprehensive protector in the controller is required before it is connected and put into use.

5. Wiring diagram

a. Connection diagram of NJBK5-10 in case both the control circuit voltage and the main circuit voltage are AC380V



b. Connection diagram of NJBK5-10 in case the main circuit voltage is AC380V and the control circuit voltage is AC220V



a.Connection diagram of NJBK5-10D in case both the control circuit voltage and the main circuit voltage are AC380V

b.Connection diagram of NJBK5-10D in case the main circuit voltage is AC380V and the control circuit voltage is AC220V

6. Overall and mounting dimensions (mm)

NJBK5	-	10	D	10A-16A	AC220V
Product series		Frame size	Functional code	Setting current	Contact voltage
			Blank: with liquid level relay D: without liquid level relay	0.72A-2.4A 3.5A-11A 10A-16A 20A-25A	AC220V AC380V

Setting current	Maximum motor power	Control voltage	Liquid level relay	Description	Code
0.72A-2.4A	1.1kW	AC220V	Yes	NJBK5-10 0.72A-2.4A AC220V	281107
3.5A-11A	5.5kW	AC220V	Yes	NJBK5-10 3.5A-11A AC220V	281108
10A-16A	7.5kW	AC220V	Yes	NJBK5-10 10A-16A AC220V	281109
20A-25A	11kW	AC220V	Yes	NJBK5-10 20A-25A AC220V	281110
0.72A-2.4A	1.1kW	AC380V	Yes	NJBK5-10 0.72A-2.4A AC380V	281111
3.5A-11A	5.5kW	AC380V	Yes	NJBK5-10 3.5A-11A AC380V	281112
10A-16A	7.5kW	AC380V	Yes	NJBK5-10 10A-16A AC380V	281113
20A-25A	11kW	AC380V	Yes	NJBK5-10 20A-25A AC380V	281114
0.72A-2.4A	1.1kW	AC220V	/	NJBK5-10D 0.72A-2.4A AC220V	281115
3.5A-11A	5.5kW	AC220V	/	NJBK5-10D 3.5A-11A AC220V	281116
10A-16A	7.5kW	AC220V	/	NJBK5-10D 10A-16A AC220V	281117
20A-25A	11kW	AC220V	/	NJBK5-10D 20A-25A AC220V	281118
0.72A-2.4A	1.1kW	AC380V	/	NJBK5-10D 0.72A-2.4A AC380V	281119
3.5A-11A	5.5kW	AC380V	/	NJBK5-10D 3.5A-11A AC380V	281120
10A-16A	7.5kW	AC380V	/	NJBK5-10D 10A-16A AC380V	281121
20A-25A	11kW	AC380V	/	NJBK5-10D 20A-25A AC380V	281122



NTE8 Series Time Delay Relays

1. General

NTE8 series time delay relay is mainly used as the time control element to connect or disconnect the circuits according to the predetermined time in control circuits with AC 50Hz/60Hz, rated control power voltage up to 415V and DC rated control power voltage up to 24V. Standards:IEC/EN 60947-5-1

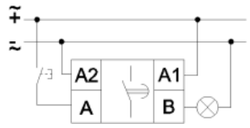
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2. Technical data

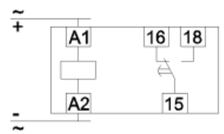
Model	NTE8-A	NTE8-B	NTE8-J	NTE8-Y	NTE8-M1	NTE8-M2	NTE8-C
Working mode	Off-delay	On-delay	Interval-delay	Star-delta starting delay	On-delay (multi-gear)	Multi delay modes (multi-gear)	Trigger interval-delay
Delay range		0.1s~5s 1s~10s 3s~30s 6s~60s 12s~120s 18s~180s 36s~360s 48s~480s 0.5min~5min 1min~10min 3min~30min 6min~60min 12min~120min 18min~180min 36min~360min 48min~480min		0.5s~5s 1s~10s 3s~30s 6s~60s 0.2min~2min 0.3min~3min 0.5min~5min 1min~10min 2min~20min (Star delta conversion 20ms~300ms)	0.1s~1s 1s~10s 0.1min~1min 1min~10min 0.1h~1h 1h~10h 0.1d~1d 1d~10d (multi-gear)	0.1s~1s 1s~10s 10s~100s 1min~10min 10min~100min 1h~10h 10h~100h (multi-gear)	0.5min~20min
Rated control supply voltage Us (V), frequency (Hz)	AC24V、AC110V、AC220V、AC230V、AC240V、AC380V、AC400V、AC415V、50Hz/60Hz; DC24V			AC220V、AC230V、AC240V、AC380V、AC400V、AC415V、50Hz/60Hz	AC36V、AC110V、AC220V、AC230V、AC240V、AC380V、AC400V、AC415V、50Hz/60Hz; DC24V	AC110V、AC220V、AC230V、AC240V、AC380V、AC400V、AC415V、50Hz/60Hz; DC24V	AC110V、AC220V、AC230V、AC240V、50Hz/60Hz
Allowable fluctuation range of rated control power supply voltage	85%Us~110%Us						
Number of contacts	1 group of normally open	1 group of change-over	1 group of change-over	2 group of normally open	1 group of change-over	1 group of change-ver	1 group of normally open
Contact capacity	Ue/Ie:AC-15 240V/0.75A,415V/0.47A; DC-13 220V/0.27A; Ith:5A						Ue/Ie:AC-15 240V/3A,415V/1.9A; DC-13 24V/1.1A; Ith:10A
Electrical life / mechanical life (10,000 times)	10/100						
Setting error	Relative value of setting error ≤10%						
Reset time	≤1s						
Ambient temperature	-5℃ ~+40℃						
Installation method	Guide rail type						

3.Wiring diagram

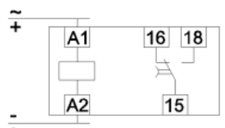
NTE8-A wiring diagram



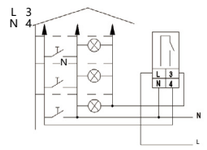
NTE8-B/NTE8-M1 wiring diagram



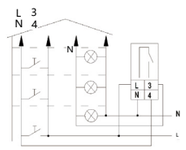
NTE8-J wiring diagram



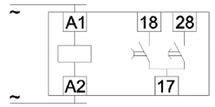
NTE8-C (3 wires) wiring diagram



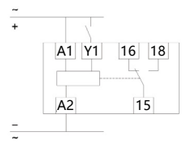
NTE8-C (4 wires) wiring diagram



NTE8-Y wiring diagram

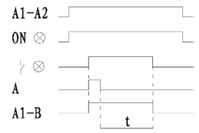


NTE8-M2 wiring diagram

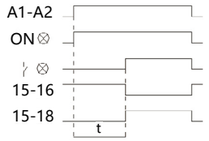


4. Time sequence chart

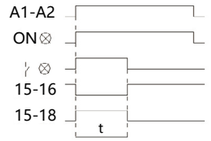
NTE8-A time sequence chart



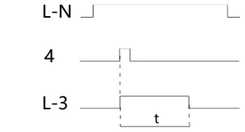
NTE8-B time sequence chart



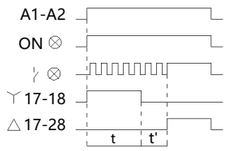
NTE8-J time sequence chart



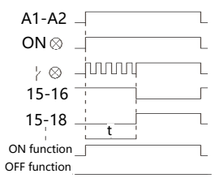
NTE8-C time sequence chart



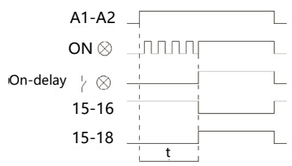
NTE8-Y time sequence chart



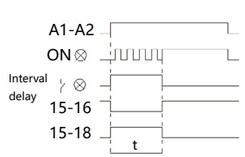
NTE8-M1 time sequence chart



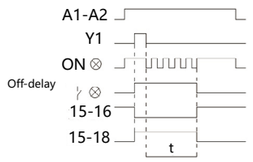
type A delay time sequence chart



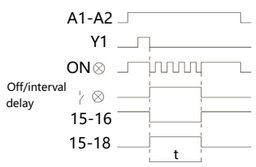
type H delay time sequence chart



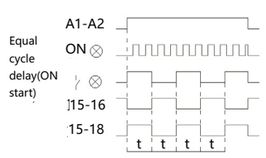
type C delay time sequence chart



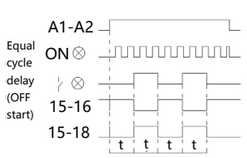
type W delay time sequence chart



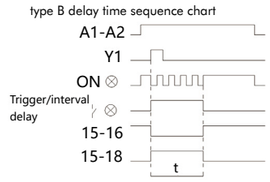
type Di delay time sequence chart



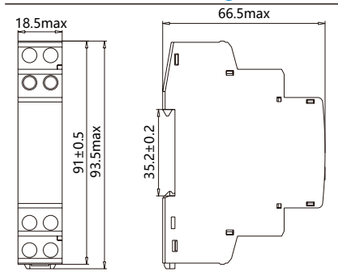
type D delay time sequence chart



type B delay time sequence chart



5. Overall and mounting dimentions (mm)



NTE8	-	A	0.1s-5s	AC24V
Product series		Working mode	Time delay range	Control voltage
		A:Off-delay B:On-delay C:Trigger interval-delay J:Interval-delay Y:Star-delta starting delay M1 :On-delay(multi-gear) M2:Multi delay modes (multi-gear)	Refer to the technical table	AC24V AC110V AC220V AC230V AC240V AC380V DC24V

Control voltage	Contact ability	Contact group	Working mode	Description	Code
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.1s-5s AC24V	258316
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.1s-5s AC110V	258317
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.1s-5s AC220V	258318
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.1s-5s AC230V	258319
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.1s-5s AC240V	258320
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.1s-5s AC380V	258321
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.1s-5s DC24V	258322
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1s-10s AC24V	258323
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1s-10s AC110V	258324
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1s-10s AC220V	258325
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1s-10s AC230V	258326
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1s-10s AC240V	258327
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1s-10s AC380V	258328
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1s-10s DC24V	258329
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3s-30s AC24V	258330
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3s-30s AC110V	258331
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3s-30s AC220V	258332
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3s-30s AC230V	258333
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3s-30s AC240V	258334
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3s-30s AC380V	258335
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3s-30s DC24V	258336
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6s-60s AC24V	258337
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6s-60s AC110V	258338
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6s-60s AC220V	258339
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6s-60s AC230V	258340
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6s-60s AC240V	258341
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6s-60s AC380V	258342
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6s-60s DC24V	258343
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12s-120s AC24V	258344
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12s-120s AC110V	258345
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12s-120s AC220V	258346
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12s-120s AC230V	258347
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12s-120s AC240V	258348

Control voltage	Contact ability	Contact group	Working mode	Description	Code
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12s-120s AC380V	258349
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12s-120s DC24V	258350
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18s-180s AC24V	258351
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18s-180s AC110V	258352
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18s-180s AC220V	258353
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18s-180s AC230V	258354
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18s-180s AC240V	258355
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18s-180s AC380V	258356
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18s-180s DC24V	258357
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36s-360s AC24V	258358
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36s-360s AC110V	258359
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36s-360s AC220V	258360
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36s-360s AC230V	258361
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36s-360s AC240V	258362
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36s-360s AC380V	258363
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36s-360s DC24V	258364
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48s-480s AC24V	258365
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48s-480s AC110V	258366
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48s-480s AC220V	258367
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48s-480s AC230V	258368
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48s-480s AC240V	258369
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48s-480s AC380V	258370
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48s-480s DC24V	258371
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.5min-5min AC24V	258372
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.5min-5min AC110V	258373
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.5min-5min AC220V	258374
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.5min-5min AC230V	258375
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.5min-5min AC240V	258376
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.5min-5min AC380V	258377
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 0.5min-5min DC24V	258378
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1min-10min AC24V	258379
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1min-10min AC110V	258380
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1min-10min AC220V	258381
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1min-10min AC230V	258382
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1min-10min AC240V	258383
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1min-10min AC380V	258384
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 1min-10min DC24V	258385
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3min-30min AC24V	258386
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3min-30min AC110V	258387
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3min-30min AC220V	258388
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3min-30min AC230V	258389
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3min-30min AC240V	258390
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3min-30min AC380V	258391

Control voltage	Contact ability	Contact group	Working mode	Description	Code
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 3min-30min DC24V	258392
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6min-60min AC24V	258393
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6min-60min AC110V	258394
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6min-60min AC220V	258395
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6min-60min AC230V	258396
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6min-60min AC240V	258397
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6min-60min AC380V	258398
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 6min-60min DC24V	258399
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12min-120min AC24V	258400
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12min-120min AC110V	258401
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12min-120min AC220V	258402
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12min-120min AC230V	258403
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12min-120min AC240V	258404
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12min-120min AC380V	258405
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 12min-120min DC24V	258406
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18min-180min AC24V	258407
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18min-180min AC110V	258408
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18min-180min AC220V	258409
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18min-180min AC230V	258410
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18min-180min AC240V	258411
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18min-180min AC380V	258412
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 18min-180min DC24V	258413
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36min-360min AC24V	258414
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36min-360min AC110V	258415
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36min-360min AC220V	258416
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36min-360min AC230V	258417
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36min-360min AC240V	258418
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36min-360min AC380V	258419
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 36min-360min DC24V	258420
AC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48min-480min AC24V	258421
	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48min-480min AC110V	258422
AC220V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48min-480min AC220V	258423
AC230V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48min-480min AC230V	258424
AC240V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48min-480min AC240V	258425
AC380V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48min-480min AC380V	258426
DC24V	240V/0.75A, Ith:5A	1NO	Off delay	NTE8-A 48min-480min DC24V	258427
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.1s-5s AC24V	258428
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.1s-5s AC110V	258429
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.1s-5s AC220V	258430
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.1s-5s AC230V	258431
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.1s-5s AC240V	258432
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.1s-5s AC380V	258433
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.1s-5s DC24V	258434

Control voltage	Contact ability	Contact group	Working mode	Description	Code
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1s-10s AC24V	258435
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1s-10s AC110V	258436
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1s-10s AC220V	258437
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1s-10s AC230V	258438
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1s-10s AC240V	258439
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1s-10s AC380V	258440
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1s-10s DC24V	258441
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3s-30s AC24V	258442
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3s-30s AC110V	258443
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3s-30s AC220V	258444
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3s-30s AC230V	258445
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3s-30s AC240V	258446
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3s-30s AC380V	258447
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3s-30s DC24V	258448
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6s-60s AC24V	258449
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6s-60s AC110V	258450
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6s-60s AC220V	258451
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6s-60s AC230V	258452
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6s-60s AC240V	258453
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6s-60s AC380V	258454
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6s-60s DC24V	258455
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12s-120s AC24V	258456
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12s-120s AC110V	258457
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12s-120s AC220V	258458
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12s-120s AC230V	258459
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12s-120s AC240V	258460
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12s-120s AC380V	258461
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12s-120s DC24V	258462
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18s-180s AC24V	258463
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18s-180s AC110V	258464
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18s-180s AC220V	258465
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18s-180s AC230V	258466
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18s-180s AC240V	258467
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18s-180s AC380V	258468
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18s-180s DC24V	258469
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36s-360s AC24V	258470
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36s-360s AC110V	258471
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36s-360s AC220V	258472
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36s-360s AC230V	258473
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36s-360s AC240V	258474
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36s-360s AC380V	258475
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36s-360s DC24V	258476
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48s-480s AC24V	258477

Control voltage	Contact ability	Contact group	Working mode	Description	Code
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48s-480s AC110V	258478
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48s-480s AC220V	258479
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48s-480s AC230V	258480
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48s-480s AC240V	258481
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48s-480s AC380V	258482
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48s-480s DC24V	258483
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.5min-5min AC24V	258484
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.5min-5min AC110V	258485
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.5min-5min AC220V	258486
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.5min-5min AC230V	258487
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.5min-5min AC240V	258488
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.5min-5min AC380V	258489
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 0.5min-5min DC24V	258490
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1min-10min AC24V	258491
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1min-10min AC110V	258492
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1min-10min AC220V	258493
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1min-10min AC230V	258494
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1min-10min AC240V	258495
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1min-10min AC380V	258496
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 1min-10min DC24V	258497
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3min-30min AC24V	258498
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3min-30min AC110V	258499
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3min-30min AC220V	258500
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3min-30min AC230V	258501
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3min-30min AC240V	258502
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3min-30min AC380V	258503
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 3min-30min DC24V	258504
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6min-60min AC24V	258505
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6min-60min AC110V	258506
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6min-60min AC220V	258507
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6min-60min AC230V	258508
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6min-60min AC240V	258509
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6min-60min AC380V	258510
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 6min-60min DC24V	258511
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12min-120min AC24V	258512
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12min-120min AC110V	258513
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12min-120min AC220V	258514
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12min-120min AC230V	258515
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12min-120min AC240V	258516
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12min-120min AC380V	258517
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 12min-120min DC24V	258518
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18min-180min AC24V	258519
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18min-180min AC110V	258520

Control voltage	Contact ability	Contact group	Working mode	Description	Code
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18min-180min AC220V	258521
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18min-180min AC230V	258522
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18min-180min AC240V	258523
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18min-180min AC380V	258524
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 18min-180min DC24V	258525
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36min-360min AC24V	258526
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36min-360min AC110V	258527
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36min-360min AC220V	258528
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36min-360min AC230V	258529
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36min-360min AC240V	258530
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36min-360min AC380V	258531
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 36min-360min DC24V	258532
AC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48min-480min AC24V	258533
	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48min-480min AC110V	258534
AC220V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48min-480min AC220V	258535
AC230V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48min-480min AC230V	258536
AC240V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48min-480min AC240V	258537
AC380V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48min-480min AC380V	258538
DC24V	240V/0.75A, Ith:5A	1Z	On delay	NTE8-B 48min-480min DC24V	258539
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.1s-5s AC24V	258540
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.1s-5s AC110V	258541
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.1s-5s AC220V	258542
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.1s-5s AC230V	258543
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.1s-5s AC240V	258544
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.1s-5s AC380V	258545
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.1s-5s DC24V	258546
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1s-10s AC24V	258547
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1s-10s AC110V	258548
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1s-10s AC220V	258549
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1s-10s AC230V	258550
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1s-10s AC240V	258551
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1s-10s AC380V	258552
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1s-10s DC24V	258553
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3s-30s AC24V	258554
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3s-30s AC110V	258555
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3s-30s AC220V	258556
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3s-30s AC230V	258557
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3s-30s AC240V	258558
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3s-30s AC380V	258559
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3s-30s DC24V	258560
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6s-60s AC24V	258561
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6s-60s AC110V	258562
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6s-60s AC220V	258563

Control voltage	Contact ability	Contact group	Working mode	Description	Code
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6s-60s AC230V	258564
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6s-60s AC240V	258565
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6s-60s AC380V	258566
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6s-60s DC24V	258567
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12s-120s AC24V	258568
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12s-120s AC110V	258569
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12s-120s AC220V	258570
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12s-120s AC230V	258571
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12s-120s AC240V	258572
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12s-120s AC380V	258573
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12s-120s DC24V	258574
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18s-180s AC24V	258575
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18s-180s AC110V	258576
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18s-180s AC220V	258577
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18s-180s AC230V	258578
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18s-180s AC240V	258579
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18s-180s AC380V	258580
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18s-180s DC24V	258581
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36s-360s AC24V	258582
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36s-360s AC110V	258583
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36s-360s AC220V	258584
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36s-360s AC230V	258585
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36s-360s AC240V	258586
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36s-360s AC380V	258587
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36s-360s DC24V	258588
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48s-480s AC24V	258589
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48s-480s AC110V	258590
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48s-480s AC220V	258591
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48s-480s AC230V	258592
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48s-480s AC240V	258593
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48s-480s AC380V	258594
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48s-480s DC24V	258595
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.5min-5min AC24V	258596
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.5min-5min AC110V	258597
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.5min-5min AC220V	258598
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.5min-5min AC230V	258599
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.5min-5min AC240V	258600
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.5min-5min AC380V	258601
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 0.5min-5min DC24V	258602
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1min-10min AC24V	258603
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1min-10min AC110V	258604
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1min-10min AC220V	258605
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1min-10min AC230V	258606

Control voltage	Contact ability	Contact group	Working mode	Description	Code
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1min-10min AC240V	258607
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1min-10min AC380V	258608
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 1min-10min DC24V	258609
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3min-30min AC24V	258610
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3min-30min AC110V	258611
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3min-30min AC220V	258612
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3min-30min AC230V	258613
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3min-30min AC240V	258614
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3min-30min AC380V	258615
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 3min-30min DC24V	258616
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6min-60min AC24V	258617
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6min-60min AC110V	258618
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6min-60min AC220V	258619
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6min-60min AC230V	258620
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6min-60min AC240V	258621
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6min-60min AC380V	258622
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 6min-60min DC24V	258623
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12min-120min AC24V	258624
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12min-120min AC110V	258625
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12min-120min AC220V	258626
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12min-120min AC230V	258627
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12min-120min AC240V	258628
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12min-120min AC380V	258629
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 12min-120min DC24V	258630
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18min-180min AC24V	258631
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18min-180min AC110V	258632
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18min-180min AC220V	258633
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18min-180min AC230V	258634
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18min-180min AC240V	258635
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18min-180min AC380V	258636
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 18min-180min DC24V	258637
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36min-360min AC24V	258638
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36min-360min AC110V	258639
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36min-360min AC220V	258640
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36min-360min AC230V	258641
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36min-360min AC240V	258642
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36min-360min AC380V	258643
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 36min-360min DC24V	258644
AC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48min-480min AC24V	258645
	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48min-480min AC110V	258646
AC220V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48min-480min AC220V	258647
AC230V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48min-480min AC230V	258648
AC240V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48min-480min AC240V	258649
AC380V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48min-480min AC380V	258650
DC24V	240V/0.75A, Ith:5A	1Z	Interval-delay	NTE8-J 48min-480min DC24V	258651
	240V/0.75A, Ith:5A	1NO	Trigger interval-delay	NTE8-C AC110V	258652
AC220V	240V/0.75A, Ith:5A	1NO	Trigger interval-delay	NTE8-C AC220V	258653
AC230V	240V/0.75A, Ith:5A	1NO	Trigger interval-delay	NTE8-C AC230V	258654
AC240V	240V/0.75A, Ith:5A	1NO	Trigger interval-delay	NTE8-C AC240V	258655
AC220V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.5s-5s AC220V	258656
AC230V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.5s-5s AC230V	258657
AC240V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.5s-5s AC240V	258658
AC380V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.5s-5s AC380V	258659
AC220V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 1s-10s AC220V	258660
AC230V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 1s-10s AC230V	258661
AC240V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 1s-10s AC240V	258662
AC380V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 1s-10s AC380V	258663
AC220V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 3s-30s AC220V	258664
AC230V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 3s-30s AC230V	258665
AC240V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 3s-30s AC240V	258666
AC380V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 3s-30s AC380V	258667
AC220V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 6s-60s AC220V	258668
AC230V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 6s-60s AC230V	258669
AC240V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 6s-60s AC240V	258670
AC380V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 6s-60s AC380V	258671
AC220V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.2min-2min AC220V	258672
AC230V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.2min-2min AC230V	258673
AC240V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.2min-2min AC240V	258674
AC380V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.2min-2min AC380V	258675
AC220V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.3min-3min AC220V	258676
AC230V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.3min-3min AC230V	258677
AC240V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.3min-3min AC240V	258678
AC380V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.3min-3min AC380V	258679
AC220V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.5min-5min AC220V	258680
AC230V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.5min-5min AC230V	258681
AC240V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.5min-5min AC240V	258682
AC380V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 0.5min-5min AC380V	258683
AC220V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 1min-10min AC220V	258684
AC230V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 1min-10min AC230V	258685
AC240V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 1min-10min AC240V	258686
AC380V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 1min-10min AC380V	258687
AC220V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 2min-20min AC220V	258688
AC230V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 2min-20min AC230V	258689
AC240V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 2min-20min AC240V	258690
AC380V	240V/0.75A, Ith:5A	2NO	Star-delta starting delay	NTE8-Y 2min-20min AC380V	258691
	240V/0.75A, Ith:5A	1Z	On-delay(multi-gear)	NTE8-M1 AC36V	258692

Control voltage	Contact ability	Contact group	Working mode	Description	Code
	240V/0.75A, Ith:5A	1Z	On-delay(multi-gear)	NTE8-M1 AC110V	258693
AC220V	240V/0.75A, Ith:5A	1Z	On-delay(multi-gear)	NTE8-M1 AC220V	258694
AC230V	240V/0.75A, Ith:5A	1Z	On-delay(multi-gear)	NTE8-M1 AC230V	258695
AC240V	240V/0.75A, Ith:5A	1Z	On-delay(multi-gear)	NTE8-M1 AC240V	258696
AC380V	240V/0.75A, Ith:5A	1Z	On-delay(multi-gear)	NTE8-M1 AC380V	258697
DC24V	240V/0.75A, Ith:5A	1Z	On-delay(multi-gear)	NTE8-M1 DC24V	258698
	240V/0.75A, Ith:5A	1Z	Multi delay modes (multi-gear)	NTE8-M2 AC110V	258699
AC220V	240V/0.75A, Ith:5A	1Z	Multi delay modes (multi-gear)	NTE8-M2 AC220V	258700
AC230V	240V/0.75A, Ith:5A	1Z	Multi delay modes (multi-gear)	NTE8-M2 AC230V	258701
AC240V	240V/0.75A, Ith:5A	1Z	Multi delay modes (multi-gear)	NTE8-M2 AC240V	258702
AC380V	240V/0.75A, Ith:5A	1Z	Multi delay modes (multi-gear)	NTE8-M2 AC380V	258703
DC24V	240V/0.75A, Ith:5A	1Z	Multi delay modes (multi-gear)	NTE8-M2 DC24V	258704



JSS48A Series Time Delay Relays

1. General

JSS48A series time delay relay is mainly used as time control component in the control circuit with AC frequency of 50Hz/60Hz, rated control supply voltage up to 380V and DC rated control supply voltage up to 240V for connecting and disconnecting the circuit at preset time.

Standards:IEC 60947-5-1.

2. Technical data

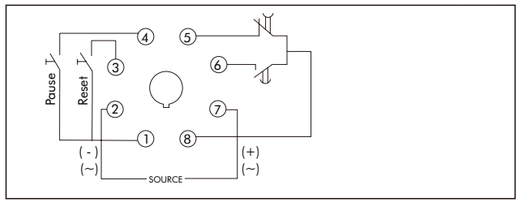
2.1 Main specifications please refer to the table

Model	JSS48A	JSS48A-2Z	JSS48A-11	JSS48A-G	JSS48A-P	JSS48A-S
Preset digits	4					T1: 2 T2: 2
Delay range	0.01s~99.99s, 1s~99min99s, 1min~99h99min 3 time ranges are available, and the time unit is configurable			0.01s~99.99s, 0.1s~999.9s, 1s~9999s, 0.1min~999.9min, 1min~9999min, 0.1h~999.9h, 10s~99990s, 1h~9999h, 1s~99min99s, 1min~99h99min 10 time ranges are available, and the time unit is configurable		1s~99s, 1min~99min, 1h~99h, 3 time ranges are available, and the time unit is configurable
Indication form	Digitron				Indicator	Digitron
Number of contacts	Delay 1 change-over set	Delay 2 change-over sets				Delay 1 change-over set
Operating method	Power-on delay					Shuttling(cycling) delay
Setting error	When delay setting value is between 0.01s~5s, setting absolute error ≤0.05s; when delay setting value is bigger than 5s, setting absolute error ≤1%					
Reset time	≤1s					
Installation method	Panel type, DIN-Rail type, equipment type. For the DIN-Rail type and equipment type, an extra base CZS08C or CZF11A-E is needed					

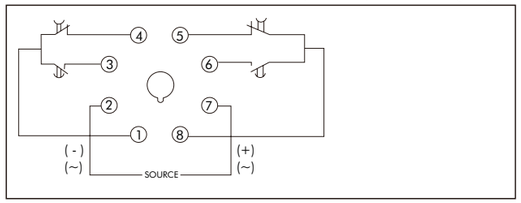
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3. Wiring diagram

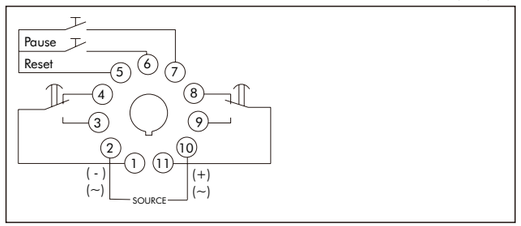
JSS48A Wiring diagram



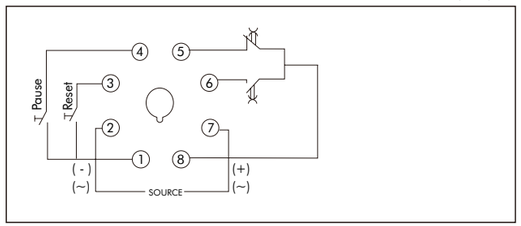
JSS48A-2Z,JSS48A-G,JSS48A-P Wiring diagram



JSS48A Wiring diagram

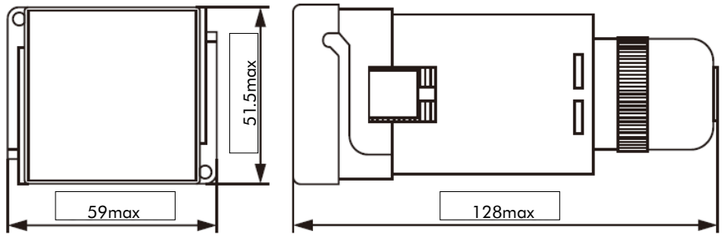


JSS48A Wiring diagram

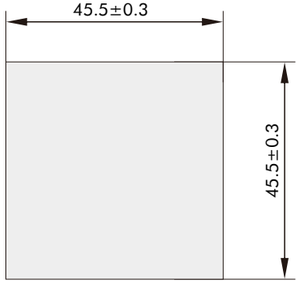


4. Overall and mounting dimensions (mm)

overall and mounting dimension



Opening size



JSS48A	-	G4	9999min	AC/DC100V-240V
↓		↓	↓	↓
Product series		**Working mode**	**Time delay range**	**Control voltage**
		Blank: 8-pin power on delay with a set of conversion types (multi speed delay); 2Z:8 Power on delay for two sets of conversion type (multi speed delay) 11: 11 pin power on delay two sets of conversion type (multi-stage delay); S: 8-pin reciprocating cycle delay with a set of conversion types (multi-stage delay): G2: Two digit dialing setting, 8-pin power on delay (single level delay) two group conversion, digital display type G3: 3-digit dialing setting, 8-pin power on delay (single level delay) two group conversion, digital display type G4: 4-digit dialing setting, 8-pin power on delay (single level delay) two group conversion, digital display type P2: Two digit dialing setting, 8-pin power on delay (single speed delay) two group conversion, indicator light indicating type P3: 3-digit dialing setting, 8-pin power on delay (single speed delay) two group conversion, indicator light indicating type P4: 4-digit dialing setting, 8-pin power on delay (single speed delay) two group conversion, indicator light indicating type	Refer to the technical table	AC12V AC220V AC380V DC12V AC/DC24V-48V AC/DC100V-240V

Control voltage	Contact ability	Contact group	Description	Code
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A AC380V	300083
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A AC/DC100V-240V	300084
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A AC/DC24V-48V	300085
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-2Z DC12V	300134
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-2Z AC380V	300086
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-2Z AC/DC100V-240V	300087
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-2Z AC/DC24V-48V	300088
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 AC12V	300135
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 DC12V	300136
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 AC380V	300071
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 AC/DC24V-48V	300123
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 AC/DC100V-240V	300082
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC380V	300021
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC380V	300089
AC220V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC220V	300090
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC/DC24V-48V	300124
AC/DC100V-240V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC/DC100V-240V	300091
AC220V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 99s AC220V	300133
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 9.9s AC/DC24V-48V	300072
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 9.9s AC/DC100V-240V	300073
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 9.9s AC380V	300074
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 99min AC/DC24V-48V	300075
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 99min AC/DC100V-240V	300076

Control voltage	Contact ability	Contact group	Description	Code
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 99min AC380V	300077
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 9.99s AC/DC24V-48V	300078
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 9.99s AC/DC100V-240V	300079
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 99.9s AC380V	300094
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 999s AC380V	300095
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 99.9min AC380V	300096
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 999min AC380V	300097
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 99.9s AC/DC100V-240V	300098
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 999s AC/DC100V-240V	300099
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 99.9min AC/DC100V-240V	300100
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 999min AC/DC100V-240V	300101
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 99.9s AC/DC24V-48V	300102
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 999s AC/DC24V-48V	300103
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-G3 999min AC/DC24V-48V	300104
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G4 9999s AC/DC100V-240V	300122
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-G4 9999min AC/DC24V-48V	300080
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G4 9999min AC/DC100V-240V	300081
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 9.9s AC380V	300111
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 99s AC380V	300112
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 9.9min AC380V	300113
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 99min AC380V	300114
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 9.9s AC/DC100V-240V	300115
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 99s AC/DC100V-240V	300116
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 9.9min AC/DC100V-240V	300117
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 99min AC/DC100V-240V	300118
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 9.9s AC/DC24V-48V	300119
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 99s AC/DC24V-48V	300120
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-P2 9.9min AC/DC24V-48V	300121
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-P3 99.9s AC/DC24V-48V	300105
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-P3 99.9s AC/DC100V-240V	300106
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-P3 999s AC/DC24V-48V	300107
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-P3 999s AC/DC100V-240V	300108
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-P3 999s AC380V	300109
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-P3 9.99s AC/DC100V-240V	300110



JSZ3 Series Time Delay Relays

1. General

JSZ3 series time delay relay ("relay" in short) is mainly used as time control component in the control circuit with AC frequency of 50Hz/60Hz, rated control supply voltage up to 380V and DC rated control supply voltage up to 24V for connecting and disconnecting the circuit at preset time. Standards:IEC/EN 60947-5-1.

2. Type designation

JS Z 3 □ - □

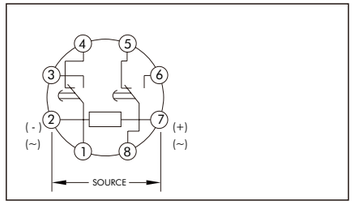
- Adopt A,B,C,D,E,F,G to represent delay rang code(applicable for multi-range type)
- A:basic type(power on delay,multi-range type)
  C:instantaneously operation type(power on delay,multi-range type)
  F:power off delay type
  Y:delta start-delay type(power on delay)
  K:control off-delay
  R:repeat circulation-delay type(power on delay)
- Design sequence No.
- Integrative type
- Time delay relay

3. Technical data

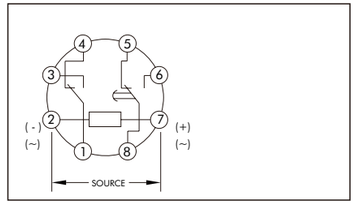
Type	JSZ3A	JSZ3C	JSZ3F	JSZ3F-2Z	JSZ3K	JSZ3Y	JSZ3R
Operating mode	power on delay	power on delay	power off delay	power off delay	Disconnection deley	Star/delta start delay	Shutling(cycling) delay
Delay range	A:(0.05-0.5)s/5s/30s/3min B:(0.1-1)s/10s/60s/6min C:(0.5-5)s/50s/5min/30min D:(1-10)s/100s/10min/60min E:(5-60)s/10min/60min/6h F:(0.25-2) min/20min/2h/12h G:(0.5-4) min/40min/4h/24h		0.1s～1s 0.5s～5s 1s～10s 2.5s～30s 5s～60s 10s～120s 15s～180s				(0.5-6)s/60s (1-10)s/10min (2.5-30)s/30min (5-60)s/60min
Set mode	Potentiometer						
Operating voltage	AC50Hz/60Hz,AC36V,AC110VAC127V AC220V,AC240V,AC380V DC24V		AC50Hz/60Hz,36V, 110V,127V AC220V AC240V AC380V DC24V		AC50Hz/60Hz AC110V AC220V AC230V AC380V AC36V DC24V	50Hz/60HzAC220V AC36V,AC110V, AC380V,DC24V	50Hz/60Hz AC220V AC36V,AC110V, AC380V,DC24V
Delay precision	≤10%		≤10%		≤10%	≤10%	≤10%
Contact number	Delay 2 switching	delay 1 changeover, instantaneous switching	Delay 1 switching	Delay 2 switching	Delay 1 switching	Delay Delta 1 switching	Delay 1 switching
Contact capacity	Ue/Ie: AC-15 240V/0.75A,415V/0.47A; DC-13 220V/0.27A; Ith:5A						
Electrical Endurance	1×10^5						
Mechanical Endurance	1×10^6						
Ambient temperature	-5℃～+40℃						
Installation mode	Equipment type, Panel type, DIN-rail type						
Matched pedestal	Panel type: FM8858, CZS08S, Equipment type, CZS08X-E						

4. Wiring diagram

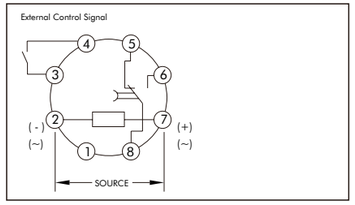
JSZ3A



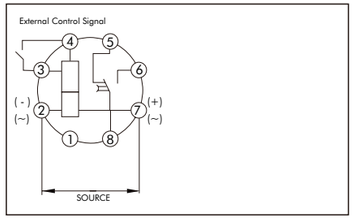
JSZ3C



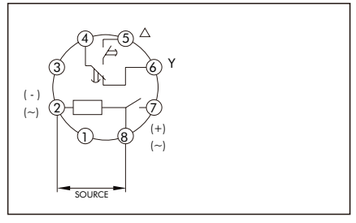
JSZ3F



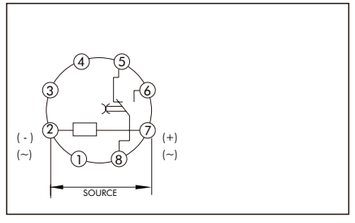
JSZ3K



JSZ3Y

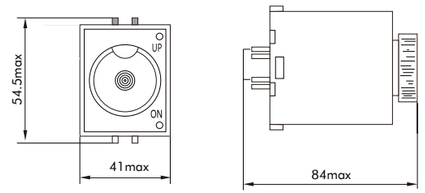


JSZ3R

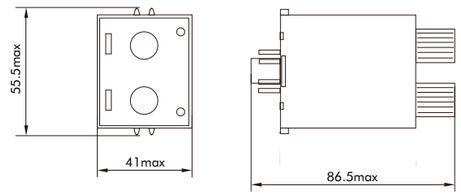


5. Overall and mounting dimensions (mm)

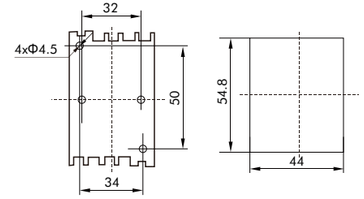
JSZ3A-,C-,F,K,Y overall and mounting dimension



JSZ3R overall and mounting dimension



Opening size



JSZ3	C	-	A	AC12V
Product series	Working mode		Time delay range	Control voltage
	A:basic type(power on delay,multi-range type) C:instantaneously operation type(power ondelay,multi-range type) F:power off delay type Y:delta start-delay type(power on delay) K:control off-delay R:repeat circulation-delay type(power on delay)		A:(0.05-0.5)s/5s/30s/3min B:(0.1-1)s/10s/60s/6min C:(0.5-5)s/50s/5min/30min D:(1-10)s/100s/10min/60min E:(5-60)s/10min/60min/6h F:(0.25-2) min/20min/2h/12h G:(0.5-4) min/40min/4h/24h	AC12V AC24V AC36V AC110V AC127V AC220V AC240V AC380V DC12V DC24V

Control voltage	Contact ability	Contact group	Description	Code
AC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-A AC24V	294299
AC36V	240V/0.75A, Ith:5A	2Z	JSZ3A-A AC36V	294341
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-A AC110V	294334
AC127V	240V/0.75A, Ith:5A	2Z	JSZ3A-A AC127V	294346
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-A AC220V	294320
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-A AC240V	296364
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-A AC380V	294309
DC12V	240V/0.75A, Ith:5A	2Z	JSZ3A-A DC12V	294316
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-A DC24V	294327
JSZ3C-D AC36V	240V/0.75A, Ith:5A	2Z	JSZ3A-B AC24V	294300
AC36V	240V/0.75A, Ith:5A	2Z	JSZ3A-B AC36V	294342
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-B AC110V	294335
AC127V	240V/0.75A, Ith:5A	2Z	JSZ3A-B AC127V	294347
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-B AC220V	294321
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-B AC240V	296365
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-B AC380V	294310
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-B DC24V	294328
DC12V	240V/0.75A, Ith:5A	2Z	JSZ3A-B DC12V	294317
AC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-C AC24V	294301
AC36V	240V/0.75A, Ith:5A	2Z	JSZ3A-C AC36V	294343
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-C AC110V	294336
AC127V	240V/0.75A, Ith:5A	2Z	JSZ3A-C AC127V	294348
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-C AC220V	294322
AC230V	240V/0.75A, Ith:5A	2Z	JSZ3A-C AC230V	294652
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-C AC240V	296366
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-C AC380V	294311
DC12V	240V/0.75A, Ith:5A	2Z	JSZ3A-C DC12V	294318
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-C DC24V	294329
AC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC24V	294302
AC36V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC36V	294344
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC110V	294337
AC127V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC127V	201726
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC220V	294323
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC240V	296367
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC380V	294312
DC12V	240V/0.75A, Ith:5A	2Z	JSZ3A-D DC12V	294319
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-D DC24V	294330
AC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC24V	294303
AC36V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC36V	294345
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC110V	294338
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC220V	294324
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC240V	296368
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC380V	294313
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-E DC24V	294331
AC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC24V	294304
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC110V	294339
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC220V	294325
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC240V	296369
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC380V	294314
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-F DC24V	294332
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-G AC110V	294340
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-G AC220V	294326
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-G AC240V	296370
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-G AC380V	294315
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-G DC24V	294333
	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC12V	294294
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC24V	294305
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC36V	294375
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC110V	294371
AC127V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC127V	294379
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC220V	294358
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC240V	296371
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC380V	294349
DC12V	240V/0.75A, Ith:5A	1Z	JSZ3C-A DC12V	294356
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-A DC24V	294365
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC24V	294306
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC36V	294376
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC110V	294372
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC220V	294359
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC240V	296372
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC380V	294350
DC12V	240V/0.75A, Ith:5A	1Z	JSZ3C-B DC12V	294357
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-B DC24V	294366
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC24V	294307

Control voltage	Contact ability	Contact group	Description	Code
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC36V	294699
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC110V	294373
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC220V	294360
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC240V	296373
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC380V	294351
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-C DC24V	294367
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC24V	294632
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC36V	294377
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC110V	294374
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC220V	294361
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC240V	296374
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC380V	294352
DC12V	240V/0.75A, Ith:5A	1Z	JSZ3C-D DC12V	294708
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-D DC24V	294368
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC24V	294308
AC127V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC127V	294651
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC220V	294362
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC240V	296375
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC380V	294353
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-E DC24V	294369
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-F AC36V	294378
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-F AC220V	294363
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-F AC240V	296376
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-F AC380V	294354
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-F DC24V	294370
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-G AC24V	294631
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-G AC220V	294364
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-G AC240V	296377
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-G AC380V	294355
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s AC24V	294633
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 1s AC36V	294380
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 5s AC36V	294385
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 10s AC36V	294389
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s AC36V	294394
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 60s AC36V	294398
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 2min AC36V	294402
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 3min AC36V	294405
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 3min AC110V	294406
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 2min AC110V	294403
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 60s AC110V	294399
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s AC110V	294395
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 10s AC110V	294390
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 5s AC110V	294386

Control voltage	Contact ability	Contact group	Description	Code
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 1s AC110V	294381
AC127V	240V/0.75A, Ith:5A	1Z	JSZ3F 1s AC127V	294382
AC127V	240V/0.75A, Ith:5A	1Z	JSZ3F 10s AC127V	294391
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3F 10s AC220V	294392
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3F 1s AC220V	294383
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3F 5s AC220V	294387
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s AC220V	294396
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3F 60s AC220V	294400
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3F 2min AC220V	294404
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3F 3min AC220V	294407
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3F 1s AC240V	296396
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3F 5s AC240V	296397
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3F 10s AC240V	296398
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s AC240V	296399
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3F 60s AC240V	296400
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3F 120s AC240V	296401
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3F 180S AC240V	296402
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3F 1s AC380V	294384
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3F 5s AC380V	294388
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3F 10s AC380V	294393
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s AC380V	294397
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3F 60s AC380V	294401
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3F 3min AC380V	294408
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3F 1s DC24V	294411
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3F 5s DC24V	294412
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3F 10s DC24V	294413
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s DC24V	294414
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3F 60s DC24V	294415
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3F 2min DC24V	294416
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3F 3min DC24V	294417
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 1s AC240V	296403
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 5s AC240V	296404
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 10s AC240V	296405
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 30s AC240V	296406
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 60s AC240V	296407
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 120s AC240V	296408
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 180S AC240V	296409
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 1s AC240V	296403
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 5s AC240V	296404
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 10s AC240V	296405
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 30s AC240V	296406
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 60s AC240V	296407
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 120s AC240V	296408

Control voltage	Contact ability	Contact group	Description	Code
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 180S AC240V	296409
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3K 10s AC220V	294695
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3K 30s AC220V	294696
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3K 60s AC220V	294697
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3K 3min AC220V	294698
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 1s AC240V	296382
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 5s AC240V	296383
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 10s AC240V	296384
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 30s AC240V	296385
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 60s AC240V	296386
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 120s AC240V	296387
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 180s AC240V	296388
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 5s DC24V	294700
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 60s DC24V	294701
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 10s DC24V	294429
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 30s DC24V	294430
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 3min DC24V	294702
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3Y 30s AC24V	294636
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3Y 10s AC220V	294671
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3Y 30s AC220V	294673
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3Y 60s AC220V	294675
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3Y 180s AC220V	294677
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 1s AC240V	296389
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 5s AC240V	296390
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 10s AC240V	296391
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 30s AC240V	296392
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 60s AC240V	296393
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 120s AC240V	296394
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 180S AC240V	296395
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3Y 10s AC380V	294672
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3Y 30s AC380V	294674
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3Y 60s AC380V	294676
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3Y 180s AC380V	294678
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3R 6s/60s AC24V	294634
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3R 6s/60s AC220V	294681
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3R 10s/10min AC220V	294683
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3R 30s/30min AC220V	294685
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3R 60s/60min AC220V	294679
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3R 6s/60s AC240V	296378
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3R 10s/10min AC240V	296379
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3R 30s/30min AC240V	296380
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3R 60s/60min AC240V	296381
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3R 6s/60s AC380V	294682
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3R 60s/60min AC380V	294680
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3R 10s/10min AC380V	294684
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3R 30s/30min AC380V	294686
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3R 10s/10min DC24V	294653



NKG4-B Time Switch

1. General

1.1 Application

The NKG4-B series time switch can automatically turn on or turn off the power supply of the equipment according to preset time within 24 hours, achieving the goal of energy saving by avoiding peak electricity consumption and limited power supply. This product is suitable for water heaters, water dispensers, street lights, staircase lights, advertising light boxes, aquaculture, irrigation, offices and other occasions that require timed control.

1.2 Features

- Quartz time basis
- Control cycle 24 hours
- Minimum time setting 15 minutes
- Din-rail mounting, 18mm width

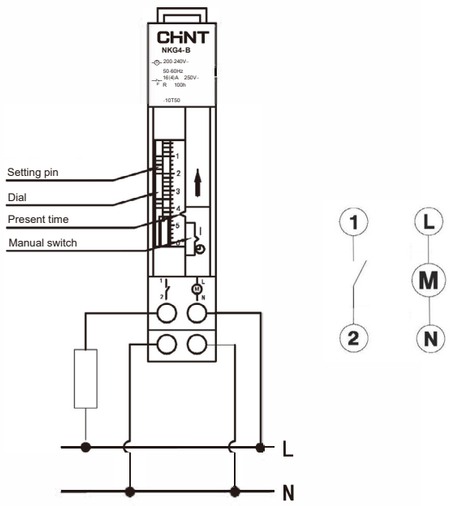
1.3 Standard

IEC/EN 60730-1, IEC/EN 60730-2-7

2. Technical data

Item	Data
Rated voltage	220VAC
Voltage tolerance	200-240VAC
Frequency	50Hz/60Hz (common use)
Rated current	16A(AC-1), 4A(AC-3 cosΦ=0.6)
Switching contact	1 NO
Switching capacity	1000W(incandescent lamp), 150W(energy saving lamp)
Power consumption	1W
Time precision	+2Sec/day at 22°C
Cycle	24 Hours
Working reserve time	100 Hours
ON/OFF program setting	15 Minutes
Minimum nuit	15 Minutes
Minimum interva	15 Minutes
No.of ON/OFF operations	96 operations
Drive method	Quartz controlled stepping motor
Control mode	Permanent ON/Auto control
Ambient temperature	-10~+50°C
Ambient humidity	Max.85%
Size(W*L*H)	18*90*66mm
Weight	70g
Terminal size	1.5~4mm²
Tighten torque	0.8 N.m

3. Wiring diagram



4. Operating

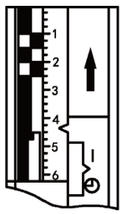
4.1 Set the operating time:

Set the setting pin between the desired times to the left or right of the Dial.

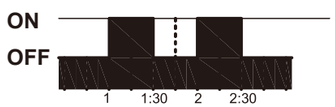
Set the setting pin to the right of dial: ON-state is reached at that time.if the setting pin is set to the right contnuously,ON-state continues only for NO.of setting pinsX15 minutes.

Set the setting pin to the right fully nutil a click is heard.

If the setting pin is set to the left ,at that time.the output is placed in OFF-state.



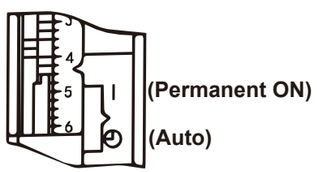
Set the setting pin as shown on the above:the time chart isas right:



4.2 Adjust the present time:

Turn the dial till the index is on the current time (Present time)

4.3 Set the control mode :



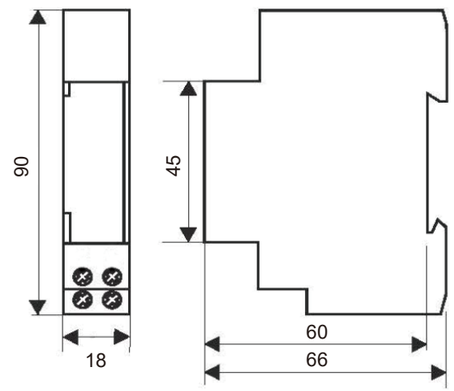
'Auto':Output is turned ON and OFF according to the setting program.

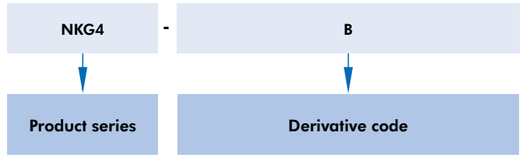
Permanent "ON":Output is turned ON irrespective of the program.

Use this mode for test operation.

After completion of test operation,set the manual switch to 'AUTO'

5. Overall and mounting dimen sions (mm)





Control voltage	Contact ability	Minimum time interval	Description	Code
AC220V	Ith:15A	15 minutes	G NKG4-B	472002



NKG3 Series Time Switches

1. General

NKG3 time switch is mainly used in automatic control circuits with frequency of AC 50Hz/60Hz, rated control power supply voltage up to 240V and rated operating current up to 3A, for timed connection and disconnection of various equipment such as road lamps and advertising light boxes.

Standards:IEC/EN 60947-5-1.

2. Type designation

N K G 3 - □

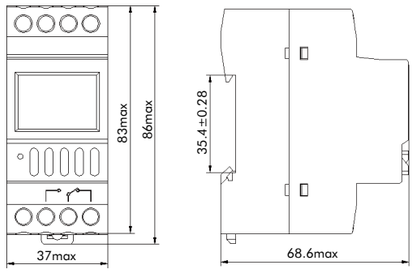
- Other feature codes
  No:Basic type
  M:Enhanced type
- Design sequence No.
- Time switch
- Enterprise featured code

3. Technical data

Rated control supply voltage Us,frequency	AC220V,AC230V,AC240V,50Hz/60Hz
Allowable fluctuation range of rated control power supply voltage	85%Us~110%Us
Operating method	Manual on,manual off,automatic on/off, latitude function;daylight saving time function
Number of programmable groups	16 groups
Time control range	1min~24h
Timing error	±2s/d
Contact number	1 group change-over
Contact capacity	Ue/Ie: AC-15 240V/3A,415V/1.9A; Ith:16A
Electrical life /mechanical life(10,000 times)	10/100
Ambient temp	-5℃ ~+40℃
Installation method	Guide rail type
Power inside	Built-in battery, no need for replacement

4. The drawing

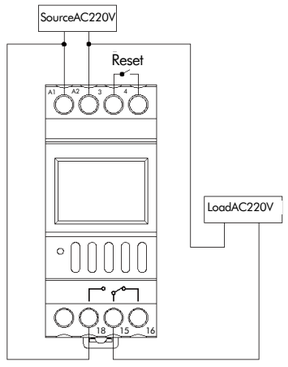
4.1 Overall and mounting dimension



4.2 Connection mode

4.2.1 Direct control mode

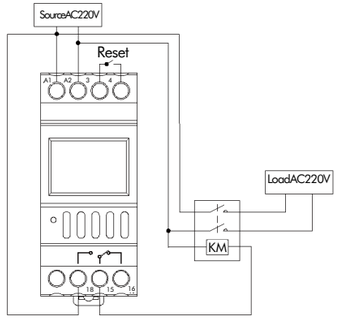
If the electrical apparatus under control is single-phase supplied and has an operational current not greater than the rated value of the switch, direct control mode can be used, as shown in Figure 1. For lamp loads with a large starting impulse current, AC contactor expansion control mode should be used.



4.2.2 Single expansion mode

If the electrical apparatus under control is single-phase supplied and has an operational current greater than the rated value of the switch, AC contactor expansion control mode should be used, as shown in Figure 2.

Figure 2 Connection diagram of single-phase expansion control (contactor coil: 220V)

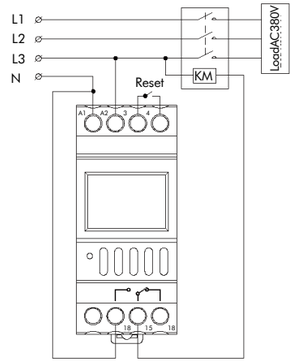


4.2.3 Three-phase operating mode

If the electrical apparatus under control is three-phase supplied, an external AC contactor is required.

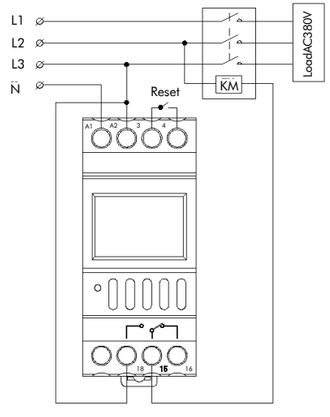
a. If the coil voltage of the control contactor is AC220V 50Hz, the connection mode shown in Figure 3 should be used.

Figure 3 Connection diagram of three-phase control (contactor coil: 220V)



b. If the coil voltage of the control contactor is AC380V 50Hz, the connection mode shown in Figure 4 should be used.

Figure 4 Connection diagram of three-phase control (contactor coil: 380V)



NKG3	-	16-ON 16-OFF	AC220V
↓		↓	↓
Product series		**Programming groups**	**Control voltage**
		16-ON 16-OFF	AC220V AC230V

Control voltage	Contact ability	Minimum time interval	Description	Code
AC220V	240V/3A, Ith:16A	16 groups	NKG3 16-ON 16-OFF AC220V	310024
AC230V	240V/3A, Ith:16A	16 groups	NKG3 16-ON 16-OFF AC230V	310031



KG316T Series Time Switches

1. General

KG316T series time switch is mainly used in automatic control circuits with AC 50Hz/60Hz, rated control supply voltage up to 220V and rated operating current up to 3A, for the purpose of timed connect and disconnect control for lamppost, advertising light boxes, etc.

Standards:IEC/EN 60947-5-1.

2. Technical data

Rated control supply voltage Us,frequency	AC220V,50Hz/60Hz AC380V,50Hz/60Hz
Allowable fluctuation range of rated control power supply voltage	85%Us~110%Us
Operating method	Manually opened, manually closed, automatic switch
Number of programmable groups	16 groups
Battery	AAA size battery (replaceable)
Time control range	1min~168h
Timing error	±2s/d
Contact number	1NO contact
Other function	Delayed sleep function, auto-calibration function
Contact capacity	Ue/Ie:AC-15 240V/3A;AC-12 240V/30A; Ith:30A
Electrical life /mechanical life(10,000 times)	10/100
Ambient temp	-5℃ ~+40℃
Installation method	Equipped(KG316T) Equipped, rail mounting. wall mounting(KG316T-D)

3. Overall and mounting dimensions (mm)

3.1 Wiring for direct control mode: direct control mode can be used for electrical apparatus which is single-phase power supply and its power consumption doesn't exceed rated value of this switch. See Figure 1 for wiring method;

3.2 Wiring for single-phase dilatancy mode: it is required a AC contactor with larger capacity than electrical apparatus power consumption for dilatancy when the controlled electrical apparatus is single-phase power supply, whereas its power consumption exceeds rated value of this switch. See Figure 2 for wiring method;

3.3 Wiring for three-phase operation mode: if the controlled electrical apparatus is three-phase power supply, it is required to externally connect three-phase AC contactor;

a. See Figure 3 for wiring, control contactor @ AC220V coil voltage, 50Hz;

b. See Figure 4 for wiring, control contactor @ AC380V coil voltage, 50Hz.

4. Overall and mounting dimensions (mm)

Figure 1

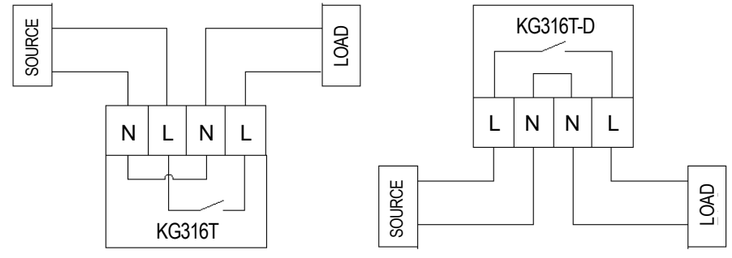


Figure 2

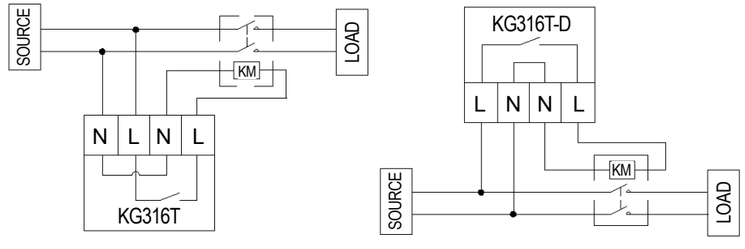


Figure 3

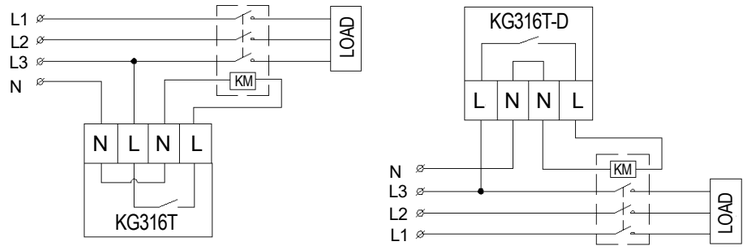


Figure 4

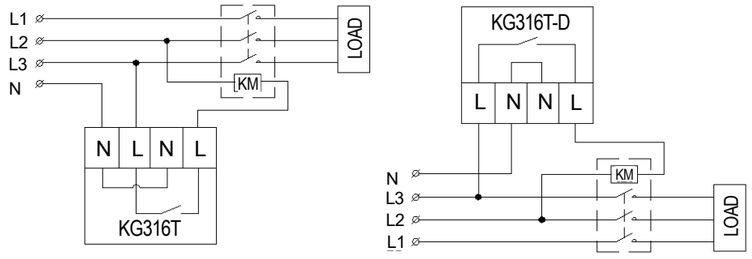


Figure 5

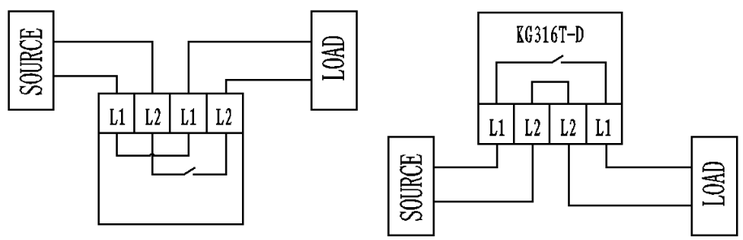


Figure 6

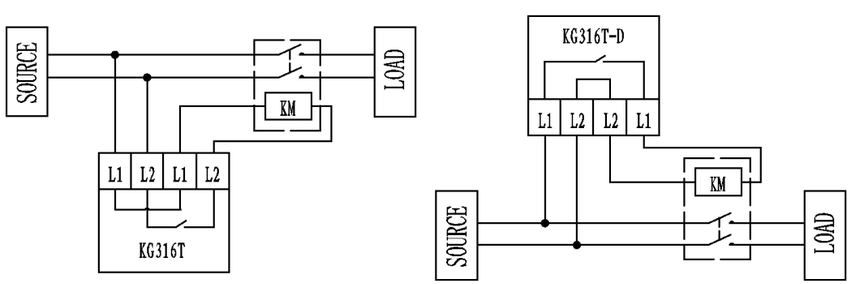
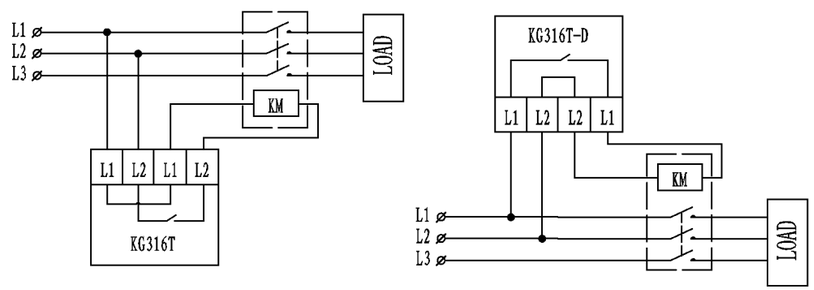
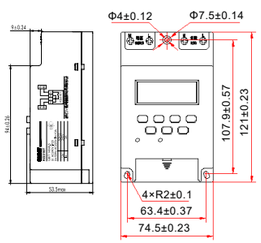
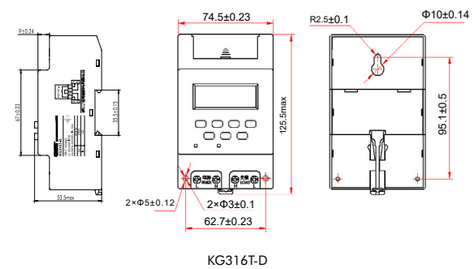


Figure 7





KG316T



KG316T-D

KG316T	-	D	AC220V
↓		↓	↓
Product series		**Installation method**	**Control voltage**
		Blank: screw mounting D: din-rail mounting	AC220V AC380V

Control voltage	Contact ability	Programming group	Description	Code
AC220V	240V/3A, Ith:30A	16 groups	KG316T AC220V	309010
AC380V	240V/3A, Ith:30A	16 groups	KG316T AC380V	391859
AC220V	240V/3A, Ith:30A	16 groups	KG316T-D AC220V	199877
AC380V	240V/3A, Ith:30A	16 groups	KG316T-D AC380V	391860
AC230V	240V/3A, Ith:16A	16 groups	NKG3 16-ON 16-OFF AC230V	310031



NJJ7-M Series Counting Relays

1. General

NJJ7-M counting relay is mainly used as counting or counting control component in the control circuit with AC frequency of 50Hz/60Hz, rated control power supply voltage up to 240V and DC rated control power supply voltage up to 240V.

Standards:IEC/EN 60947-5-1.

3. Technical data

Rated control supply voltage Us,frequency	AC/DC100V~240V,50Hz/60Hz;DC24V
Allowable fluctuation range of rated control power supply voltage	85%Us~110%Us
Output method	1group of transfer contact,open-collector output (30VDC,100mA max)
Counting digital	In CR Mode:4 digits(4-digit red LED is the count value,4-digit green LED is the preset value) In CT mode:8 digits(green LED is the lower 4 digits,red LED is the higher 4 digits)
Counting speed	1 time/s,30 times/s,1000 time/s optional
Counting mode	Add, subtract, reversible A, reversible B, reversible C
Input signal	Contact input, sensor input(NPN type, PNP type optional)
External sensor power supply	12VDC,30mA max
Value setting	Setting range 0.01~9.99
Output mode	N,F,C,R,K, P,Q,A
Output time	The output time can be set as 0.01s~9.99s (when the output mode is C,R,K,P,Q,A)
Contact capacity	Ue/Ie: AC-15 220V/0.75A,380V/0.47A; DC-13 220V/0.27A, Ith:5A
Electrical life /mechanical life(10,000 times)	10/100
Ambient temp	-5℃ ~+40℃
Installation method	Panel type
Power-off memory	More than 10 years(settable)

2. Type designation

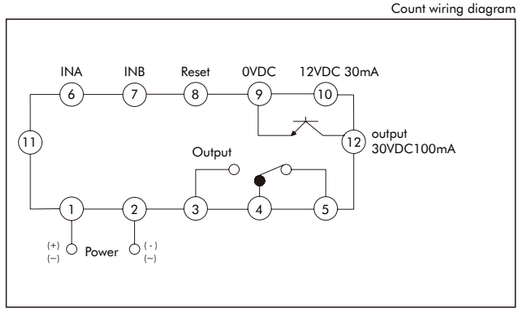
N JJ 7-M

- Feature Code: M:enhanced Type
- Design sequence No.
- Counting
- Enterprise featured code

Note: This product is applicable for wide range of operating voltage, for instance, operating voltage within AC/DC100V~240V means it can operate normally within the voltage range of AC/DC 100V to 240V.

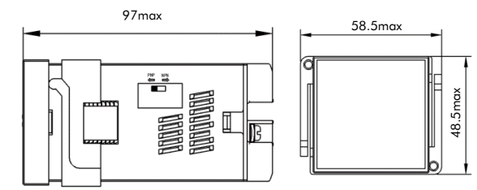
4. Wiring diagram

Count wiring diagram

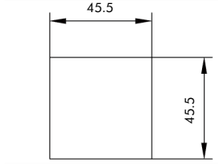


5. Overall and mounting dimensions (mm)

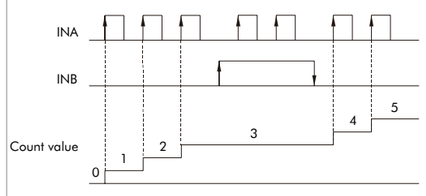
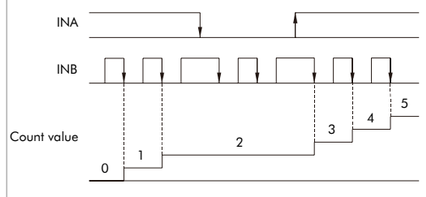
External dimension

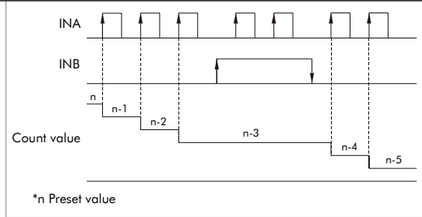
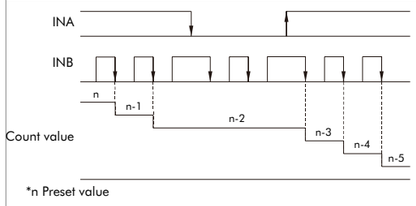
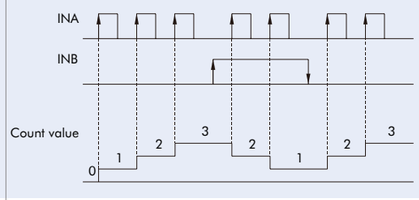
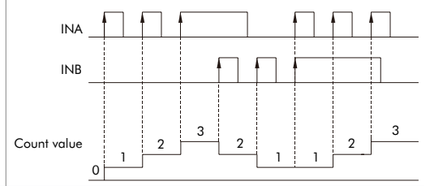
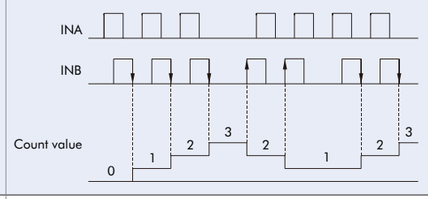


Opening size

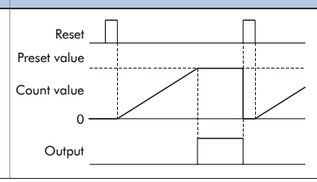
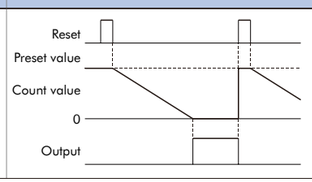
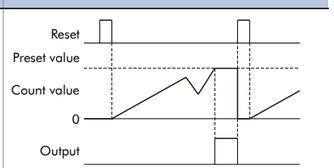


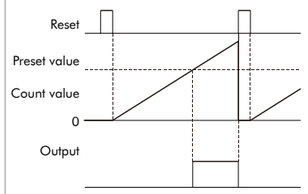
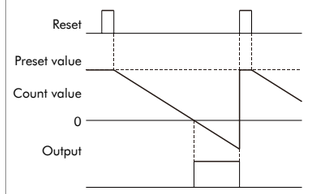
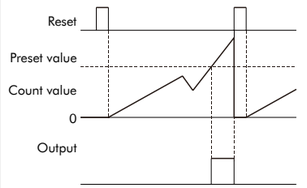
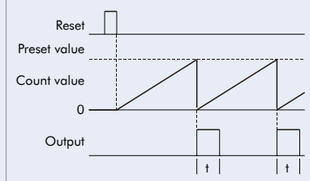
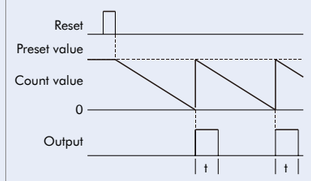
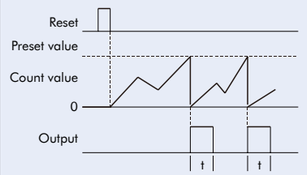
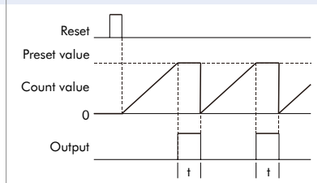
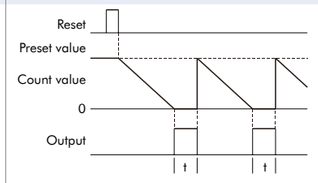
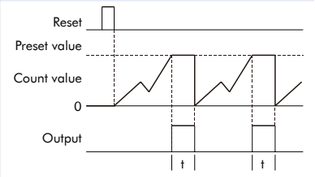
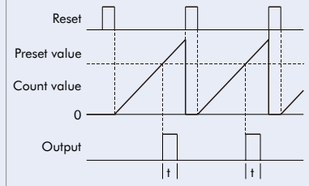
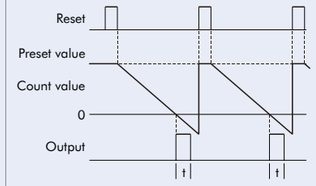
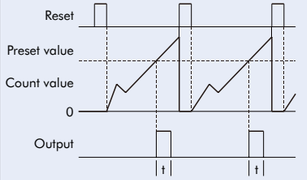
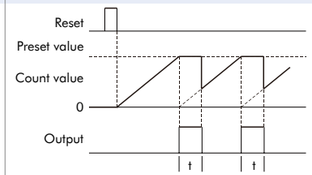
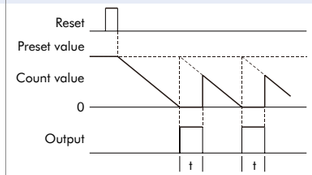
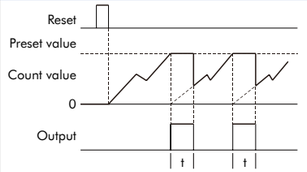
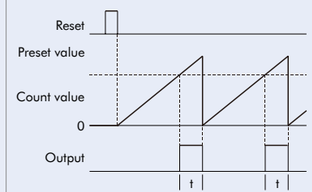
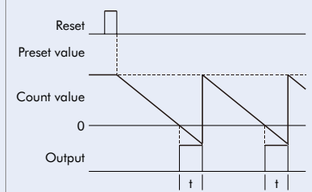
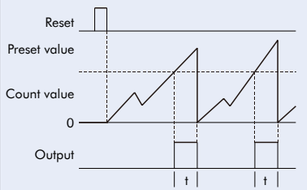
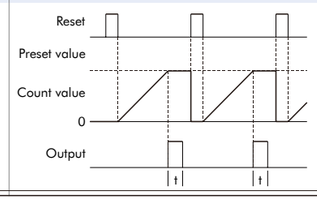
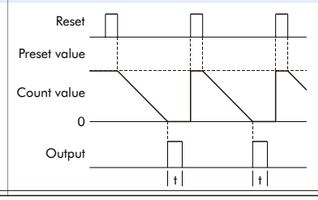
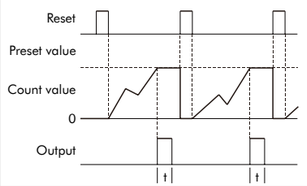
6. Sequence diagram of counting mode

Counting mode	Timing-sequence diagram	Remark
U Addition counting mode		Count at INA rising edge, stop counting at INB input.
		Count at INB input falling edge at INB input.

Counting mode	Timing-sequence diagram	Remark
D Subtraction counting mode		Count at INA rising edge, stop counting at INB input.
		Count at INB input falling edge at INA input.
UD-A Reversible counting mode A		Reversible counting mode A: Addition counting at INA input, subtraction counting when INB input is active.
UD-B Reversible counting mode B		Reversible counting mode B: Addition counting at INA input, subtraction counting at INB input.
UD-C Reversible counting mode C		Reversible counting mode C: Automatic recognition of positive and reverse rotations, addition and subtraction counting.

7. Sequence diagram of output mode

Output mode	Plus counting mode	Minus counting mode	Inverse counting mode A,B,C
(N)			

Output mode	Plus counting mode	Minus counting mode	Inverse counting mode A,B,C
(F)			
(C)			
(R)			
(K)			
(P)			
(Q)			
(A)			

Note: t is the output time which can be set by the user.
When the function mode for 8 output mode CR mode, when no output counter function mode for CT mode.

NJJ7	-	M		AC/DC100V-240V
↓		↓		↓
Product series		Derivative code		Control voltage
				AC/DC100V-240V

Control voltage	Contact ability	Programming group	Description	Code
AC/DC100V-240V	220V/0.75A, Ith:5A	1Z	NJJ7-M AC/DC100V-240V	305042



JDM3 Series Counting Relays

1. General

JDM3 electronic counter (hereinafter referred to as the counter), internally powered by lithium battery, is compact in appearance and used for counting in various circuits.

2. Type designation

JDM 3 - □ □ □

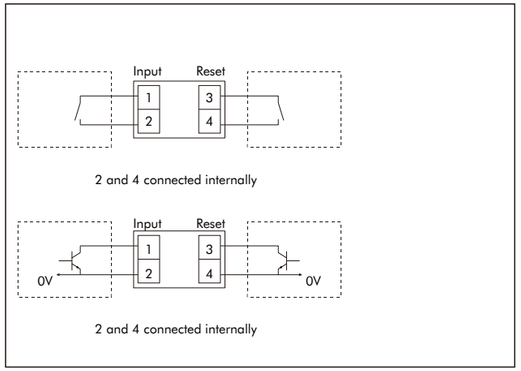
- □: L: low speed counting,10 times/second; H: high speed counting,200 times/second.
- □: Blank:without voltage input; V:DC voltage input; A:AC voltage input.
- □: Counting digits:6:6-digit counting; 8:8-digit counting.
- 3: Design sequence No.
- JDM: Counter

3. Technical data

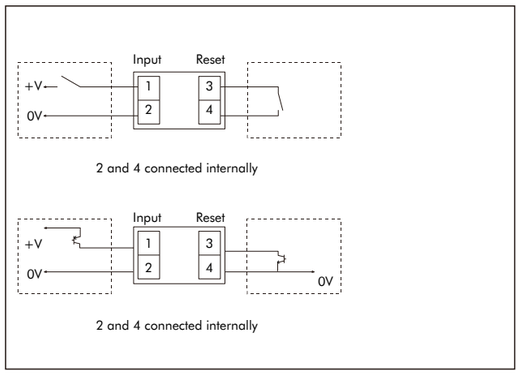
Power supply	Internal power supply
Battery life	About 6 years(25℃)
Display mode	LCD display,display "0"type(hide"0"type can be customized)
Output mode	No output
Counting digits	6-bit counter or 8-bit counter
Counting rate	10times/s or 200times/s
Counting mode	Add count
Without voltage input	None: no voltage input;V: DC voltage input;A: AC voltage input No voltage input(contact input): maximum contact connection resistance: ≤ 10KΩ(count on); Minimum contact breaking resistance: ≥500KΩ(count off); Input maximum residual voltage:0.5V
DC voltage input	DC voltage input(V):I: DC0V~2V; H: DC4V~30V(H valid) (input impedance:≥4.7 kΩ)
AC voltage input	AC voltage input(a): AC/DC24V~240V
Reset mode	Panel button reset(6 digits), external terminal reset(6 digits & 8 digits)
Reset minimum pulse width	≥0.2s
Counting error	≤±1time
Ambient temp	-5℃ ~+40℃
Installation method	Panel type

4. Wiring diagram

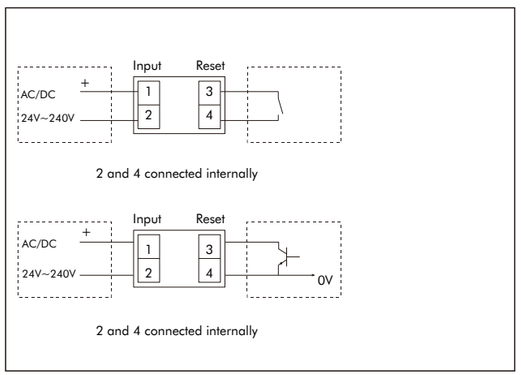
JDM3 (without voltage input)



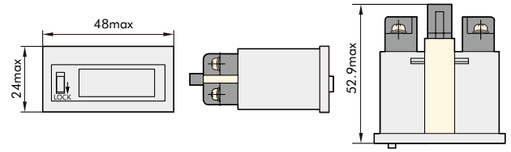
JDM3 (DC voltage input)

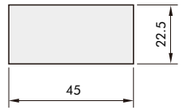


JDM3 (AC voltage input)



5. Overall and mounting dimensions (mm)





JDM3	-	6	V	L
Product series		Counting digits	Voltage input type	Counting speed
		6: 6-digit counting 8: 8-digit counting	Blank: no voltage input V: DC voltage input A: AC voltage input	L: low speed counting,10 times/second H: high speed counting,200 times/second

Counting digits	Voltage input	Counting speed	Description	Code
8-digit counting	AC voltage input	10 times/second	JDM3-8AL	304082
6-digit counting	AC voltage input	10 times/second	JDM3-6AL	304078
6-digit counting	no voltage input	200 times/second	JDM3-6H	304079
8-digit counting	no voltage input	200 times/second	JDM3-8H	304083
6-digit counting	no voltage input	10 times/second	JDM3-6L	304040
8-digit counting	no voltage input	10 times/second	JDM3-8L	304084
8-digit counting	DC voltage input	10 times/second	JDM3-8VL	304086
8-digit counting	DC voltage input	200 times/second	JDM3-8VH	304085
6-digit counting	DC voltage input	10 times/second	JDM3-6VL	304081
6-digit counting	DC voltage input	200 times/second	JDM3-6VH	304080



SC3L Series Counting Relays

1. General

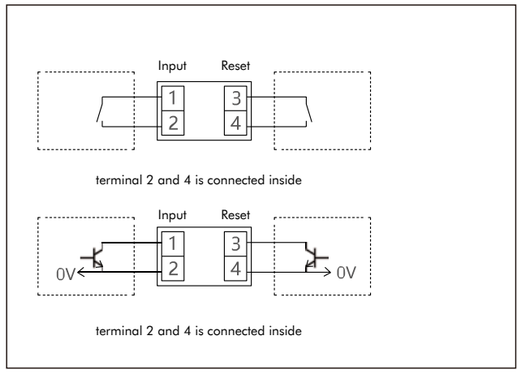
SC3L electronic calculagraph is powered by lithium battery, which is compact and suitable for all kinds of circuits.

2. Technical data

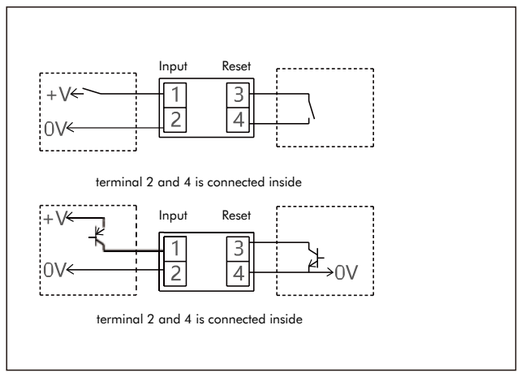
Rated control power supply voltage	Internal power supply
Battery life	About 6 years(25℃)
Display mode	LCD display, showing "0" type, (eliminating "0" type can be customized)
Output mode	No output
Fatigue time range	1:99999.9h; 2:99h59min59s; 3:9999h59min; 4:9999day23h; 5:9999h59min59s; 6:999999h59min;
Voltage-free input	None: no voltage input;V: DC voltage input;A: AC voltage input No voltage input(contact input): maximum contact connection resistance: ≤ 10KΩ(count on); Minimum contact breaking resistance: ≥500KΩ(count off); Input maximum residual voltage:0.5V
DC voltage input	DC voltage input (V): L: DC0V ~ 2V; H: DC4V ~ 30V (H valid) (input impedance: ≥4.7 kΩ)
AC voltage input	AC/DC 24V~240V
Reset mode	Panel button reset (6 digits), external terminal reset (6 digits &8 digits)
Reset minimum pulse width	≥0.2s
Tired time error	≤0.1%
Ambient temperature	-5℃ ~+40℃
Installation mode	Panel type

3. Wiring diagram

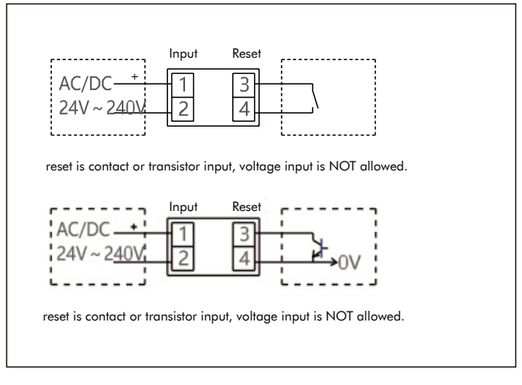
SC3L (no voltage input)



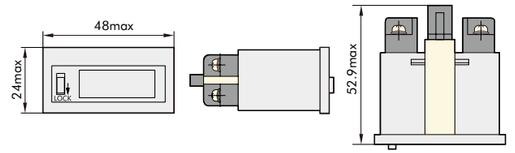
SC3L (DC voltage input)



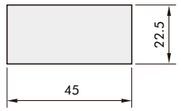
SC3L (AC voltage input)



4. Shape and installation dimensions



Opening size



SC3L	-	6	V	999999h59min
Product series		**Time scope**	**Input signal type**	**Real time scope**
		1: 99999.9h 2: 99h59min59s 3: 9999h59min 4: 9999day23h 5: 9999h59min59s 6: 999999h59min	Blank: no input V: DC input A: AC input	

Counting digits	Counting speed	Description	Code
999999h59min	DC input	SC3L-6V 999999h59min	306028
99999.9h	AC input	SC3L-1A 99999.9h	306026
9999h59min59s	/	SC3L-5 9999h59min59s	306027
999999h59min	AC input	SC3L-6A 999999h59min	104693
99999.9h	/	SC3L-1 99999.9h	306004
99h59min59s	/	SC3L-2 99h59min59s	306005
9999h59min	/	SC3L-3 9999h59min	306006
9999day23h	/	SC3L-4 9999day23h	306007
999999h59min	/	SC3L-6 999999h59min	306008

B.4 VFD & Soft-Starter

1. Product overview
2. Application scenarios
3. Main features
4. Environmental conditions
5. Type designation
6. Selection table and ordering code
7. Detailed technical parameters and performance
8. Wiring diagram
   - Notes of main circuit terminals
   - Notes of control terminals
9. Mounting dimensions and weights



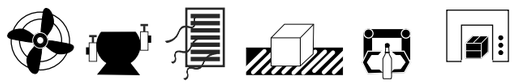


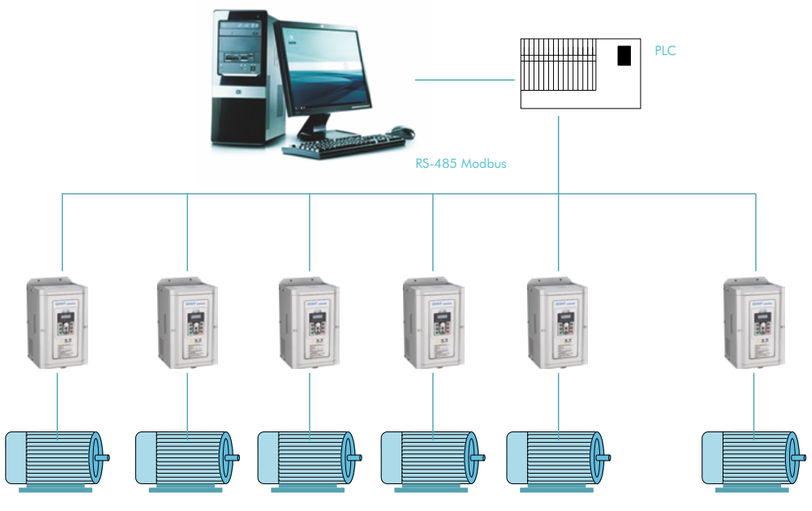
NVF2G VFD

1. Product overview

NVF2G-series VFD are high-efficiency open-loop vector VFD researched and developed independently by our company. It has the features of high starting torque (0.5 Hz, 1.5 times of rated torque), strong overload capacity, flexible and convenient operation and forward PID and reverses PID, etc.This series of inverter can be divided into mini type, general type (heavy load) and fan and water pump type (light load), with the functions of strong load adaptability, stable and reliable operation and automatic energy-saving operation, etc. This product can be widely applied to electric drive field and automation control field, such as , water supply, municipal administration, food, cement, chemical industry, dyeing, plastic machinery.

2. Application scenarios





2.1 Excellent motor drive and control performance
- High starting torque: 0.5 Hz, 150% of rated motor torque;
- Superior energy-saving effect: the motor load more lighter more efficiency; Improve the operation efficiency of the motor through energy-saving control; the motor still operates under high-efficiency status regardless of the changes of load;
- Accurate auto tuning function: it can accurately conduct overall and static auto tuning of motor parameters with convenient debugging and simple operation, which can improve the control accuracy and response speed;
- Speed tracking: during the restarting after recovery from the momentary power interruption, it can judge the rotate direction and speed of motor and continue to operate smoothly;
- External DC electric reactor (over 110 kW) can effectively restrain higher harmonic.
- The exclusive dead time compensation technology can increase the output torque;
- Wide carrier frequency: (1-15) kHz, can effectively reduce the operation noise of motor;
- Ultra-strong overload capacity -- Maintain 1 min under 150% of rated current; in heavy load, it is uneasy frequently to trip overload protection and ensures the continuous and stable operation of the equipment;
- Real-time load monitoring -- Real-time monitoring of bus bar voltage and motor current to ensure stable start and stop and quick tracking.

2.2 High reliability design
- Design of the scope of universal input voltage: The fluctuation range of input voltage can reach up to ±15%;
- The function of input filtration can reduce harmonic interference effectively;
- The function of automatic voltage regulation (AVR) and automatic current limiting can make the system more stable;
- Perfect protection function and fault diagnosis system provide safe and reliable guarantee for the equipment.

2.3 Various application functions
- It adopts RS-485 communication interface and standard MODBUS communication protocol and can take networked automation control with external PLC equipment.
- It has wobble frequency, which is available for textile industry;
- The efficiently energy saving can be achieved by the built-in intelligent PID control and dormancy function;
- Simple PLC control: The inverter can operate in variable speed according to certain rule through simple PLC function; It not only can define one circular multistage frequency into the function code, but also can define the operation time, direction and number of cycles of the multistage frequency into the function code;
- Modular design: The NVF2G series inverter integrates the modular design that easy to be assembled and disassembled with the dismountable air heater and operation keyboard, which is easy for maintenance and usage;
- Design of common DC bus bar: Many inverters can be connected in parallel through common DC bus bar to share the feedback energy of braking, avoid overvoltage, stabilize the DC bus bar voltage of single inverter and make the equipment operate continuously and stably.

2.4 Ultra-strong environmental suitability:
- The inverter should be used at an ambient temperature of -10℃ to +40℃ and derated by 1% per 1℃ when over 40℃ ;
- The input range of wide voltage is the 15% fluctuation range of 380V, which is available for various civil and industrial power grid;
- Circuit board is processed with conformal coating to make it available for various complicated working conditions.

3. Main features

Speed tracking operation

Start with the speed of motor under coast stop
The motor under coast stop can be introduced to the set frequency automatically without the speed detector.

Frequency skip control

Skipping the special frequency to prevent the vibration of mechanical system
In order to prevent the vibration of mechanical system, it can automatically keep away from the resonance point when operating under the constant speed.

DC braking when starting

Make the motor under coast stop stopping and restarting again
Under coast stop, the motor will be automatically stopped by DC braking and re-started immediately when the rotate direction of the motor is uncertain.

Multistage speed operation

The program can be operated according to the set multistage speed
It can operate according to the frequency of internal storage based on the signal combination. Multistage speed control can be achieved through PLC, limit switch, etc.

Automatic voltage regulation (AVR)

Ensure the stable output voltage during the operation of inverter
During the voltage fluctuation of the power grid, the output voltage of invert will not change with it.

Energy-saving operation

Automatic operation with peak efficiency
Detect the load current and provide the motor with the peak efficiency voltage according to the load and rotate speed to achieve the most efficient energy saving operation.

Automatic current limiting

Automatically limit the output current to prevent frequent overcurrent
When the load fluctuation exceeds the current limit level, it will make automatic regulation to maintain the current within the allowed range.

Failure record

Storage the fault information automatically
When there is fault alarm, it will automatically record the current and voltage and fault type to provide reference for determining the fault cause.

Torque limit

It will protect the machinery to ensure the reliable operation of machinery and equipment
It is helpful to protect the machinery by controlling the torque generated by the motor within the set value.

Sleep Mode of water pump

To reduce the mechanical wear
When the water consumption at night is less and the output frequency of inverter is lower than the dormancy frequency, the inverter will enter into dormancy status.

Frequency detection

It is used to detect the frequency and is available for interlock of brake
When the output frequency is higher than the set value, it will output signal and is available for the interlock control of equipment.

PID control

Automatic process control
It will conduct PID calculation in the inverter and take the calculation result as the frequency instruction to quantitatively control the pressure, flow and air volume, etc.

Wobble frequency control

It is operated by swinging up and down by taking the set frequency as the center
Wobble frequency is available for textile, chemical fiber and other industries and occasions needing traversing and winding function.

Restraint of overvoltage

Prevent fault and tripping due to overvoltage
It is valid to punch and other operations that regenerated repeatedly due to the crank motion; According to the regeneration status, it will increase or decrease the operation frequency to restrain the overvoltage.

Fault restoration

To improve the reliability of continuous operation
Even if the inverter is detected for fault, it will reset automatically after auto-diagnosis to restart the operation without stopping the motor.
The number of automatic reset is 3.

Automatic torque boost

To increase the low-frequency output torque under V/F control mode
It is used for setting the manual/automatic torque boost setting under V/F control mode to effectively increase the low-frequency torque of inverter.

4. Detailed technical parameters and performance

4.1 NVF2G Inverter specifications

4.1.1 General type (T), fan and water pump type (P)

Power Voltage	Catalog Number	Power Capacity(kVA)	Rated Input Current(A)	Rated Output Current(A)	Maximum Applicable Motor(kW)	Braking Unit
3-Phase 220V	NVF2G-0.4/T(P)S2	3.0w	2.6	2.4	0.4	Integrated inside Standard
	NVF2G-0.75/T(P)S2	4.2	4.8	4.5	0.75	
	NVF2G-1.5/T(P)S2	7.6	7.5	7	1.5	
	NVF2G-2.2/T(P)S2	7.6	10.7	10	2.2	
	NVF2G-3.7/T(P)S2	13	17.2	16	3.7	
	NVF2G-5.5/T(P)S2	18	21.5	20	5.5	
	NVF2G-7.5/T(P)S2	29	32	30	7.5	
	NVF2G-11/T(P)S2	34	45	42	11	
	NVF2G-15/T(P)S2	46	59	55	15	
	NVF2G-18.5/T(P)S2	57	80	75	18.5	Integrated inside By choosen
	NVF2G-22/T(P)S2	69	86	80	22	
	NVF2G-30/T(P)S2	85	118	110	30	
	NVF2G-37/T(P)S2	114	140	130	37	
	NVF2G-45/T(P)S2	133	172	160	45	
	NVF2G-55/T(P)S2	160	215	200	55	
	NVF2G-75/T(P)S2	236	290	270	75	Integrated Outside By choosen
	NVF2G-90/T(P)S2	267	344	320	90	
	NVF2G-110/T(P)S2	267	408	380	110	
3-Phase 380V	NVF2G-1.5/T(P)S4	3	3.9	3.7	1.5	Integrated inside Standard
	NVF2G-2.2/T(P)S4	4.2	5.8	5	2.2	
	NVF2G-3.7/T(P)S4	7.6	10.5	9	3.7	
	NVF2G-5.5/PS4	9.9	14.6	11	5.5	
	NVF2G-5.5/TS4	9.9	14.6	13	5.5	
	NVF2G-7.5/T(P)S4	13	17	17	7.5	
	NVF2G-11/PS4	18	26	22	11	
	NVF2G-11/TS4	18	26	25	11	
	NVF2G-15/T(P)S4	25	32	32	15	
	NVF2G-18.5/T(P)S4	29	38.5	37	18.5	
	NVF2G-22/T(P)S4	34	46.5	45	22	
	NVF2G-30/T(P)S4	46	62	60	30	
	NVF2G-37/T(P)S4	57	76	75	37	Integrated inside By choosen
	NVF2G-45/T(P)S4	69	92	90	45	
	NVF2G-55/T(P)S4	85	113	110	55	
	NVF2G-75/PS4	114	157	140	75	
	NVF2G-75/TS4	114	157	150	75	
	NVF2G-90/T(P)S4	133	180	176	90	
	NVF2G-110/T(P)S4	160	214	210	110	
	NVF2G-132/T(P)S4	195	256	253	132	
	NVF2G-160/T(P)S4	236	307	300	160	
	NVF2G-185/T(P)S4	267	345	340	185	
	NVF2G-200/T(P)S4	289	385	380	200	
	NVF2G-220/T(P)S4	305	430	420	220	
	NVF2G-245/T(P)S4	350	468	470	245	
	NVF2G-280/T(P)S4	403	525	520	280	
	NVF2G-315/T(P)S4	420	590	600	315	
	NVF2G-355/T(P)S4	420	665	640	355	
	NVF2G-400/T(P)S4	460	785	690	400	

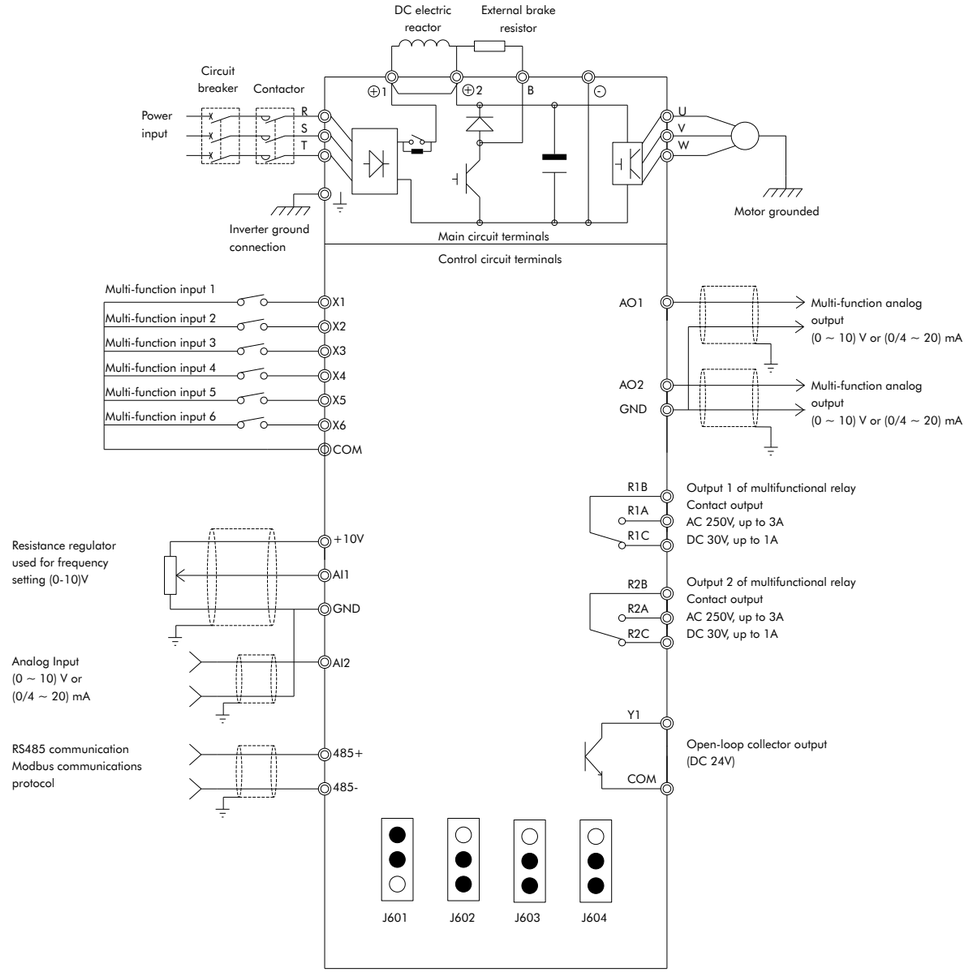
4.2 Standard technical features

Main Power	Input voltage range: 220V/380V(±15%)
	Input frequency range: (47-63)Hz
	Output voltage range: 0- rated input voltage
	Output frequency range: General type: (0-400)Hz; Fan and water pump type: (0-120)Hz
Inputs and Outputs"	Programmable digital input: 6
	Programmable analog input: AI1: (0-10)V ; AI2: (0-10)V or (0/4-20)mA; AI1 + AI2
	Open collector output: 1
	Relay output: Mini type: 2
	Analogue output: 2, (0-10)V or (0/4-20)mA
Operation functions and features	Torque boost: Automatic torque boost; Manual torque boost of 0.1% - 30.0%
	Dynamic braking: Built-in or external brake unit, external connection with brake resistance
	DC braking: Start and stop are selectable separately; motion frequency (0-10)Hz, brake current (0-150)% , actuation time (0.0-50.0)s
	Jog control: Jog frequencyrange: (0-400)Hz, time for jog acceleration and deceleration (0.1-3600.0)s
	Multistage speed operation: Multistage speed operation can be achieved through the built-in simple PLC or controlling multi-function terminal.
	Automatic voltage regulation (AVR): When the network voltage changes, it can keep the output voltage stable automatically
	Automatic current limit: To automatically limit the current during the operation to prevent fault and tripping due to frequent overcurrent
	Built-in PID controller: It can constitute a closed-loop control system conveniently
	Self-defined JOG function key: The JOG key can be set as jog operation or switch from forward and reverse operation
	Protection functions: It can provide over 20 kinds of fault protection functions: overcurrent, overvoltage, undervoltage overheating, default phase, overload, PID disconnection and other protection functions,
Technical features	Control mode: Non-PG vector control, V/F control,
	Overload capacity: Mini type and general type: 150% rated current for 1min; Fan and pump type: 120% rated current for 1 min
	Starting torque: Non-PG vector control: 0.5 Hz /150% (Rated torque)
	Speed regulation ratio: Non-PG vector control: 1: 100; V/F control: 1:50
	Speed control precision: (non-PG vector control): ±0.5% maximum speed
	Carrier frequency (1-15) kHz
Operation environment	Temperature: The inverter should be used at an ambient temperature of-10℃ to+40℃ and derated by 1% per 1℃ when it is higher than 40℃
	Humidity: Relative air humidity of the operation environment ≤ 90%, without moisture condensation
	Altitude: The inverter can achieve the rated power when installed below the altitude of 1000m. It should be derated by 10% per 1000m when over 1000m.
	Shock and vibration: The inverter should not be dropped to the ground or subjected to sudden shock. It should not be installed in places where vibration may occur.
	Electromagnetic radiation: The inverter should not be installed adjacent to electromagnetic radiation protection
	Air pollution: The inverter should not be installed in places with air pollution, such as dust or corrosive gas atmosphere
Structure	Protection degree: IP20
	Brake units Standard braking unit for model under 22 kw; standard braking unit for model equal to or above 22 kW
	Cooling mode: High-speed DC fan is used for the cooling of the whole NVF2G series inverter

5. Wiring diagram

5.1 Standard wiring diagram

5.1.1 Standard wiring diagram of general type and fan and water pump type



485+	485-	X1	X2	X3	X4	X5	X6	Y1	COM	R2A	R2B	R2C	
+10V	A12	A11	GND	AO1	AO2	GND	COM	+24V	R1A	R1B	R1C		

Arrangement of the corresponding control terminal

J601 position (AI1 interface):Connect Terminal 1 with Terminal 2:0V-10V analog voltage input of AI1;

Connect Terminal 2 with Terminal 3: input of the potentiometer on panel

J602 position (AI2 interface):Connect Terminal 1 with Terminal 2:0V-10V analog voltage input;

Connect Terminal 2 with Terminal 3: 0/4 mA-20 mA analog current input

J603 position (AO1 interface): Connect Terminal 1 with Terminal 2:0V-10V analog voltage output;

Connect Terminal 2 with Terminal 3: 0/4 mA-20 mA analog current output

J604 position (AO2 interface): Connect Terminal 1 with Terminal 2:0V-10V analog voltage output;

Connect Terminal 2 with Terminal 3: 0/4 mA-20 mA analog current output

Corresponding models: NVF2G-1.5/PS4~400/TS4

5.2 Terminal annotation

5.2.1 Terminal annotation of main circuit

Terminal Symbol	Terminal name and description
R,S,T	Input terminal of AC power supply, used for connecting with 3-phase 380V/220V power-frequency power supply
⊕ 1,Θ	Input terminal of DC power supply, used for connecting with external brake unit
⊕ 1,B	Connect with braking resistor terminal
⊕ 1, ⊕ 2	DC reactor connector
U,V,W	AC output terminal, used for connecting with the motor
⏚	Grounding terminal, used for the grounding of inverter

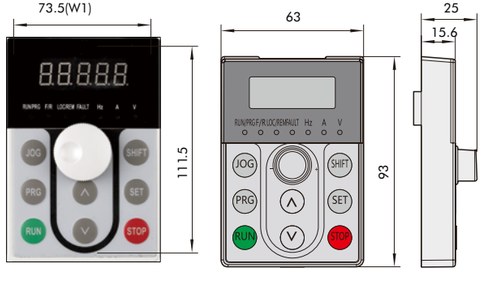
5.2.2 Description of the control circuit terminal

Terminal Symbol	Terminal name	Description
R1A,R1B,R1C	Relay output	RA and RB are N/O contract group; RB and RC are N/C contract group
R2A,R2B,R2C		The functional parameters are set through F6.01 and F6.02
Y1,COM	Open collector output	Functional parameters are set through F6.00, the factory default value is signal output under forward status
485+,485-	Serial communication terminal Power supply used for frequency setting	Terminal serially communicated with the external part
10V		Potentiometer of 4.7kΩ-10kΩ connected with AI1,AI2 and GND
AI1,GND	Input terminal of analog signal	It is used to connect with potentiometer or 0V-10V signal to be taken as the frequency setting, set or feedback of PID
AI2,GND	Input terminal of analog signal	It inputs signals of 0V-10V and 0/4mA- 20mA to be taken as the frequency setting, set or feedback of PID
AO1,AO2	Output terminal of analog signal	AO1 and AO2 connecting with the analog signal meter of DC 0V-10V or 0/4mA-20mA can be used for indicating the operation frequency, output current, output voltage, etc.
X1	Multi-function input terminal	The default set is forward operation
X2	Multi-function input terminal	The default set is reverse operation
X3	Multi-function input terminal	The default set is forward jog
X4	Multi-function input terminal	The default set is reverse jog
X5	Multi-function input terminal	The default set is fault resetting
X6	Multi-function input terminal	The default set is external fault input
COM	Common point for multi-functional input terminals	Fit the use of X1-X6
24V,COM	24V output of auxiliary power supply	24V output of DC power (≤50mA)

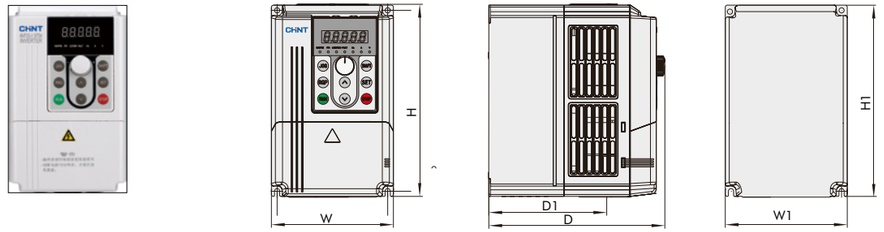
6. Mounting dimensions (mm)

6.1 Product appearance diagram

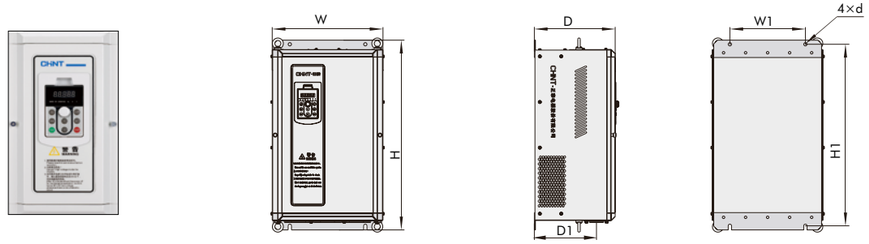
Dimension of the hole on NVF2G display box



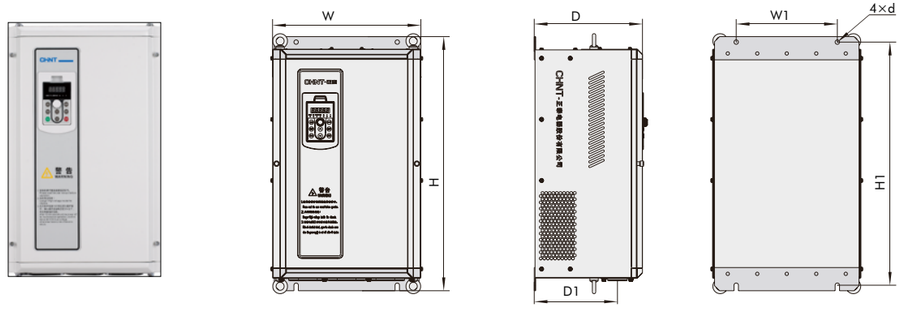
NVF2G-1.5/TS4~11/PS4 & NVF2G-0.4/T(P)S2~5.5/T(P)S2



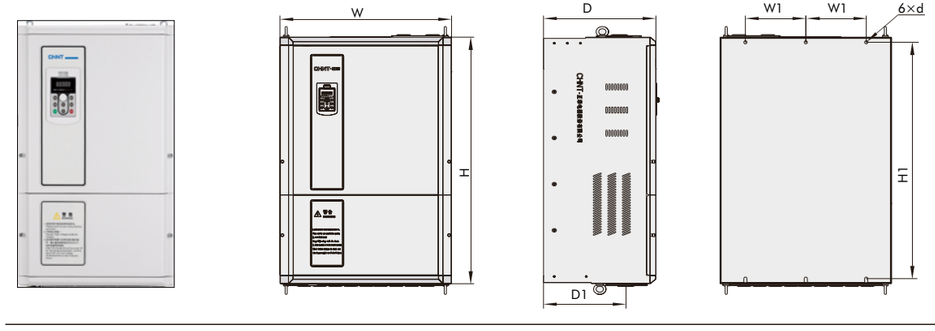
NVF2G-11/TS4~45/PS4 & NVF2G-7.5/T(P)S2~18.5/T(P)S2



NVF2G-45/TS4~75/PS4 & NVF2G-15/T(P)S2~30/T(P)S2



NVF2G-75/TS4~400/TS4 & NVF2G-37/T(P)S2~110/T(P)S2



6.2 Product mounting dimensions

Product specifications	W	H	D	W1	H1	D1	Weight (kg)
NVF2G-1.5/PS4	118	187	173	106	175	110	2.4
NVF2G-1.5/TS4 (2.2/PS4)							
NVF2G-2.2/TS4 (3.7 /PS4)							
NVF2G-3.7/TS4 (5.5/PS4)							
NVF2G-5.5/TS4 (7.5/PS4)	155	247	189	140	232	125	3.6
NVF2G-7.5/TS4 (11/PS4)							
NVF2G-11/TS4 (15/PS4)	191	378	183	90	362	129	10.5
NVF2G-15/TS4 (18.5/PS4)							
NVF2G-18.5/TS4 (22/PS4)	215	426	213	120	407	164	15
NVF2G-22/TS4 (30/PS4)							
NVF2G-30/TS4 (37/PS4)	300	527	230	166.6	506	179	26.5
NVF2G-37/TS4 (45/PS4)							
NVF2G-45/TS4 (55/PS4)	352	603	257	240	577	197.5	34.4
NVF2G-55/TS4 (75/PS4)							
NVF2G-75/TS4 (90/PS4)	406	631	272	126	600	224	58
NVF2G-90/TS4 (110/PS4)							
NVF2G-110/TS4 (132/PS4)	470	807	352	150	769	226.5	108
NVF2G-132/TS4 (160/PS4)							
NVF2G-160/TS4 (185/PS4)	540	892	390	180	848	256	121
NVF2G-185/TS (200/PS4)							
NVF2G-200/TS4 (220/PS4)							
NVF2G-220/TS4 (245/PS4)	710	1020	386	250	978	284	171.5
NVF2G-245/TS4 (280/PS4)							
NVF2G-280/TS4 (315/PS4)							
NVF2G-315/TS4(355/PS4)	734	1200	426	250	1152	313	280
NVF2G-355/TS4 (400/PS4)							
NVF2G-400/TS4							

7. Optional accessories of peripheral equipment

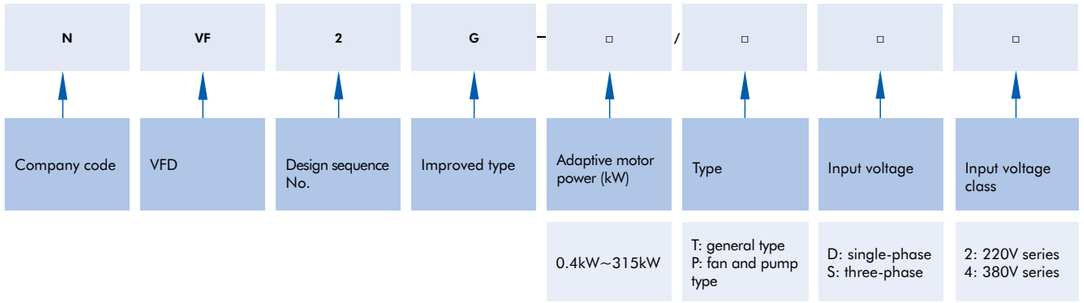
Name of accessories	Functions of accessories
Circuit breaker	It will protect the power system when short circuit occurred. It must be connected between the AC reactors of the AC main circuit power supply, or be connected at the front of the inverter if there is no electric reactor.
AC input reactor	To increase the power factor of input power, reduce the higher harmonic and restrain the surge on the power supply of inverter.
DC reactor	1. To improve or restrain the aberration rate of the voltage of power grid and current waveform due to the pulse current generated at the charging and discharging of filter capacitor; 2. To reduce the amount of harmonic and increase the power supply quality of the power grid.
AC output reactor	1. It can effectively restrain the noise-grade vibration of motor; 2. It can effectively restrain the differential mode noise within 100KHz at the output side of the inverter; 3. It can effectively absorb surge voltage.
Brake units	1. It can control the pumping voltage of bus bar and has certain protective function to the inverter; 2. When frequent braking is needed, it can increase the braking capacity of inverter.
Braking resistor	It can consume the mechanical energy generated during braking as the thermal energy through brake resistor to reduce the deceleration time of drive system of the inverter.
Keyboard support plate	When the operation panel of inverter is needed to be installed on the door sheet of control cabinet or needed remote control of operation cabinet, it shall be installed through keyboard support plate.
Display extension cable	It is used as extension cable when using remote monitoring or pulling out the operation panel.

Selection table of accessories

verter	Selection of braking accessories			AC input electric reactor			AC output electric reactor			DC electric reactor		
	Configuration conditions of the braking unit (10% braking ratio)	Braking resistance		Configuration	Rated current (A)	Inductance (mH)	Configuration	Rated current (A)	Inductance (mH)	Configuration	Rated current (A)	Inductance (mH)
NVF2G- □ / □□□		Resistance value (Ω)	Power (W)									
1.5/PS4,1.5/TS4	Standard internal braking unit (including 22/PS4 model)	400	260		3.7	2.239		3	2.1	Do not need to purchase DC electric reactor	—	—
2.2/PS4,2.2/TS4		250	260		5.5	2.18		6.3	1.5		—	—
3.7/PS4,3.7/TS4		150	390		9	1.85		11	1.1		—	—
5.5/PS4,5.5/TS4		100	520		13	1.56		16	0.8		—	—
7.5/PS4,7.5/TS4		75	780		18	1		18	0.65		—	—
11/PS4,11/TS4		50	1040		24	0.52		28	0.33		—	—
15/PS4,15/TS4		40	1560		34	0.397		35	0.25		—	—
18.5/PS4,18.5/TS4		32	4800		38	0.352		40	0.2		—	—
22/PS4,22/TS4	Selectable internal braking unit (including 110/PS4 model)	27.2	4800		50	0.26		50	0.18	Selectable external configuration (including 110/PS4 model)	70	0.9
30/PS4,30/TS4		20	6000		60	0.24		63	0.09		80	0.86
37/PS4,37/TS4		16	7000		75	0.235		80	0.08		100	0.7
45/PS4,45/TS4		13.6	9600		91	0.17		100	0.06		120	0.58
55/PS4,55/TS4		10	12000		112	0.16		125	0.04		146	0.47
75/PS4,75/TS4		6.8	12000		150	0.12		160	0.035		160	0.36
90/PS4,90/TS4		6.8	12000		200	0.0705		200	0.023		180	0.33
110/PS4,110/TS4	Selectable external braking unit (including 315/PS4 model)	6	20000		224	0.0692		224	0.016	Standard external configuration	250	0.24
132/PS4,132/TS4		6	25000		280	0.0503		280	0.016		280	0.24
160/PS4,160/TS4		2.5	50000		315	0.0447		315	0.013		340	0.16
185/PS4,185/TS4					400	0.0352		400	0.011		460	0.09
200/PS4,200/TS4					400	0.0352		400	0.011	Standard external configuration (including 315/PS4 model)	460	0.09
220/PS4,220/TS4					450	0.0313		560	0.009		500	0.82
245/PS4,245/TS4					560	0.0251		600	0.008		600	0.072
280/PS4,280/TS4					560	0.0251		600	0.008		600	0.072
315/PS4,315/TS4	Selectable configuration of external braking unit				660	0.042		660	0.011	Standard internal configuration	1000	0.050
355/PS4,355/TS4					660	0.042		660	0.011		1000	0.050
400/PS4,400/TS4					800	0.035		800	0.009		1000	0.050
Corresponding physical diagram of each accessory												
Physical diagram of display extension cable and support plate of the panel	Display extension cable							Support plate of the panel 				
	Remarks: When the panel of inverter needs to be pulled out for control, it shall be noted specially when ordering and the length of the display extension cable shall be indicated.											

8. Ordering information

8.1 Type designation



When ordering, you shall select the needed model and specification according to the illustration of model and implication:
For example:
3-phase 380V general type: NVF2G-45/TS4
3-phase 380V fan and water pump type: NVF2G-55/PS4

8.2 Selection guidance
8.2.1 In order to ensure the reliable operation of inverter, the power of inverter must be equal or greater than the power of motor.
8.2.2 General-type inverter is mainly used for load excluding fan and water pump, such as: rolling mill, mixer, ball grinder, centrifugal machine and other heavy-load machine.
8.2.3 Fan and water pump type of inverter is mainly used for fan, water pump and other light-load machine.

9. Customized VFC control cabinet

A variety of VFC control cabinets can be specially ordered according to the production process requirements.



SAP No	Product description	Power supply(V)	Load type	Motor power(kW)	Ordering code
G780050400000045	NVF2G-1.5/PS4	3 phase 380	P	1.5	639012
G780050400000046	NVF2G-1.5/TS4	3 phase 380	T	1.5	639013
G780050400000047	NVF2G-2.2/PS4	3 phase 380	P	2.2	639028
G780050400000048	NVF2G-2.2/TS4	3 phase 380	T	2.2	639029
G780050400000049	NVF2G-3.7/PS4	3 phase 380	P	3.7	639040
G780050400000050	NVF2G-3.7/TS4	3 phase 380	T	3.7	639041
G780050400000051	NVF2G-5.5/PS4	3 phase 380	P	5.5	639050
G780050400000052	NVF2G-5.5/TS4	3 phase 380	T	5.5	639051
G780050400000053	NVF2G-7.5/PS4	3 phase 380	P	7.5	639054
G780050400000054	NVF2G-7.5/TS4	3 phase 380	T	7.5	639055
G780050400000055	NVF2G-11/PS4	3 phase 380	P	11	639014
G780050400000133	NVF2G-11/TS4	3 phase 380	T	11	639015
G780050400000134	NVF2G-15/PS4	3 phase 380	P	15	639020
G780050400000135	NVF2G-15/TS4	3 phase 380	T	15	639021
G780050400000136	NVF2G-18.5/PS4	3 phase 380	P	18.5	639024
G780050400000137	NVF2G-18.5/TS4	3 phase 380	T	18.5	639025
G780050400000138	NVF2G-22/PS4	3 phase 380	P	22	639032
G780050400000139	NVF2G-22/TS4	3 phase 380	T	22	639033
G780050400000140	NVF2G-30/PS4	3 phase 380	P	30	639042
G780050400000141	NVF2G-30/TS4	3 phase 380	T	30	639043
G780050400000142	NVF2G-37/PS4	3 phase 380	P	37	639046
G780050400000143	NVF2G-37/TS4	3 phase 380	T	37	639047
G780050400000144	NVF2G-45/PS4	3 phase 380	P	45	639048
G780050400000145	NVF2G-45/TS4	3 phase 380	T	45	639049
G780050400000146	NVF2G-55/PS4	3 phase 380	P	55	639052
G780050400000147	NVF2G-55/TS4	3 phase 380	T	55	639053
G780050400000148	NVF2G-75/PS4	3 phase 380	P	75	639056
G780050400000149	NVF2G-75/TS4	3 phase 380	T	75	639057
G780050400000150	NVF2G-90/PS4	3 phase 380	P	90	639058
G780050400000151	NVF2G-90/TS4	3 phase 380	T	90	639059
G780050400000152	NVF2G-110/PS4	3 phase 380	P	110	639016
G780050400000153	NVF2G-110/TS4	3 phase 380	T	110	639017
G780050400000154	NVF2G-132/PS4	3 phase 380	P	132	639018
G780050400000155	NVF2G-132/TS4	3 phase 380	T	132	639019
G780050400000156	NVF2G-160/PS4	3 phase 380	P	160	639022
G780050400000157	NVF2G-160/TS4	3 phase 380	T	160	639023
G780050400000158	NVF2G-185/PS4	3 phase 380	P	185	639026
G780050400000159	NVF2G-185/TS4	3 phase 380	T	185	639027
G780050400000160	NVF2G-200/PS4	3 phase 380	P	200	639030
G780050400000161	NVF2G-200/TS4	3 phase 380	T	200	639031
G780050400000162	NVF2G-220/PS4	3 phase 380	P	220	639034
G780050400000163	NVF2G-220/TS4	3 phase 380	T	220	639035
G780050400000164	NVF2G-245/PS4	3 phase 380	P	245	639036

SAP No	Product description	Power supply(V)	Load type	Motor power(kW)	Ordering code
G780050400000165	NVF2G-245/TS4	3 phase 380	T	245	639037
G780050400000166	NVF2G-280/PS4	3 phase 380	P	280	639038
G780050400000167	NVF2G-280/TS4	3 phase 380	T	280	639039
G780050400000168	NVF2G-315/PS4	3 phase 380	P	315	639044
G780050400000169	NVF2G-315/TS4	3 phase 380	T	315	639045
G780050400000203	NVF2G-2.2/TD2	1 phase 230	TD2	2.2	639160
G780050400000204	NVF2G-3.7/TD2	1 phase 230	TD2	3.7	639161
G780050400000285	NVF2G-0.4/PS2	3 phase 230	P	0.4	304327
G780050400000286	NVF2G-0.4/TS2	3 phase 230	T	0.4	304328
G780050400000287	NVF2G-0.75/PS2	3 phase 230	P	0.75	304329
G780050400000288	NVF2G-0.75/TS2	3 phase 230	T	0.75	304330
G780050400000289	NVF2G-1.5/PS2	3 phase 230	P	1.5	304331
G780050400000290	NVF2G-1.5/TS2	3 phase 230	T	1.5	304332
G780050400000291	NVF2G-2.2/PS2	3 phase 230	P	2.2	304333
G780050400000292	NVF2G-2.2/TS2	3 phase 230	T	2.2	304334
G780050400000293	NVF2G-3.7/PS2	3 phase 230	P	3.7	304335
G780050400000294	NVF2G-3.7/TS2	3 phase 230	T	3.7	304336
G780050400000295	NVF2G-5.5/PS2	3 phase 230	P	5.5	304337
G780050400000296	NVF2G-5.5/TS2	3 phase 230	T	5.5	304338
G780050400000297	NVF2G-7.5/PS2	3 phase 230	P	7.5	304339
G780050400000298	NVF2G-7.5/TS2	3 phase 230	T	7.5	304340
G780050400000299	NVF2G-11/PS2	3 phase 230	P	11	304341
G780050400000300	NVF2G-11/TS2	3 phase 230	T	11	304342
G780050400000301	NVF2G-15/PS2	3 phase 230	P	15	304343
G780050400000302	NVF2G-15/TS2	3 phase 230	T	15	304344
G780050400000303	NVF2G-18.5/PS2	3 phase 230	P	18.5	304345
G780050400000304	NVF2G-18.5/TS2	3 phase 230	T	18.5	304346
G780050400000305	NVF2G-22/PS2	3 phase 230	P	22	304347
G780050400000306	NVF2G-22/TS2	3 phase 230	T	22	304348
G780050400000307	NVF2G-30/PS2	3 phase 230	P	30	304349
G780050400000308	NVF2G-30/TS2	3 phase 230	T	30	304350
G780050400000309	NVF2G-37/PS2	3 phase 230	P	37	304351
G780050400000310	NVF2G-37/TS2	3 phase 230	T	37	304352
G780050400000311	NVF2G-45/PS2	3 phase 230	P	45	304353
G780050400000312	NVF2G-45/TS2	3 phase 230	T	45	304354
G780050400000313	NVF2G-55/PS2	3 phase 230	P	55	304355
G780050400000314	NVF2G-55/TS2	3 phase 230	T	55	304356
G780050400000315	NVF2G-75/PS2	3 phase 230	P	75	304357
G780050400000316	NVF2G-75/TS2	3 phase 230	T	75	304358
G780050400000317	NVF2G-90/PS2	3 phase 230	P	90	304359
G780050400000318	NVF2G-90/TS2	3 phase 230	T	90	304360
G780050400000319	NVF2G-110/PS2	3 phase 230	P	110	304361
G780050400000320	NVF2G-110/TS2	3 phase 230	T	110	304362



NVF2G-S VFD

1. Product overview

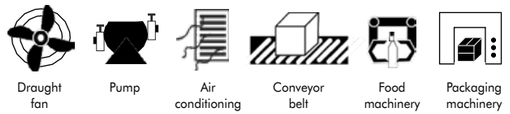
NVF2G-S series is mainly used for variable frequency speed regulation, soft starting, improving operating accuracy, improving power factor, overcurrent, overvoltage, overload protection and other functions of AC asynchronous motors. At the same time, it also has the function of energy conservation and reducing equipment noise.

2. Application scenarios

There are two main types of applicable loads:

- Constant torque type and universal type.
- Variable torque type.

Applicable equipment of the product



3. Main features

Rated working voltage (V): three-phase 380~440V: 380V(-15%)~440V(+15%)

Power range: 1.5KW~400KW

Output frequency range (Hz): 0Hz-400Hz

Control method: non PG vector control, V/F control

Starting torque: 150% rated torque at 0.5Hz

Overload capacity:

T type: 150% rated current for 1 minute, 180% rated current for 2 seconds;

F type: 120% rated current for 1 minute, 150% rated current for 2 seconds

Multi speed control: 16 speed control

Analog input: 1) AI1: (0-20)mA, (4-20)mA or (0-10)V, (-10~+10)V 2) calibration function

Simple PLC

4. Environmental conditions

Ambient temperature: (-10~+45) ° C. When using between 45 ° C and 55 ° C, it's necessary to consider derating. The capacity decreases by 1% for every 1 ° C increase in temperature;

Relative humidity: (5-95)% R H;

Storage temperature: -25 ° C ~+55 ° C,

If the altitude is above 1000 meters, please reduce the rating by 1% for every 100m increase, but it cannot exceed 3000m;

Indoor use, places that are not exposed to direct sunlight, dust, corrosive gases, flammable gases, oil mist, water vapor, dripping water, or salt,

5. Type designation

NVF2G-S	—	280	/	T	S	4	L
Series Name		1.5~400KW		Type: T: heavy load type P: light load type	Phases: S: three phase	Voltage level: 4: 380V~440V	Brake unit: L: built in Blank: no

6. Selection table and ordering code

Voltage	Model Type	Capacity (kVA)	Input Current (A)	Output Current(A)	Adapted Motor(kW)	Matched Circuit Breaker (A)
380V(-15%)~440V(+15%)	NVF2G-S-1.5/T(P)S4	3	1.5	3.7	1.5	6
	NVF2G-S-2.2/T(P)S4	4.2	2.5	5	2.2	10
	NVF2G-S-3.7 /T(P)S4	7.6	4	8.5	3.7	16
	NVF2G-S-5.5/T(P)S4	9.9	4	12.2	5.5	20
	NVF2G-S-7.5/T(P)S4	13	6	16.2	7.5	25
	NVF2G-S-11/T(P)S4	18	10	24.6	11	40
	NVF2G-S-15/T(P)S4	25	10	31.4	15	50
	NVF2G-S-18 . 5/T(P)S4	29	16	37	18.5	63
	NVF2G-S-22/T(P)S4	34	16	45	22	63
	NVF2G-S-30/PS4	34	25	60	22	100
	NVF2G-S-30/TS4	46	25	60	30	100
	NVF2G-S-37/T(P)S4	57	25	75	37	125
	NVF2G-S-45/T(P)S4	69	3 5	90	45	160
	NVF2G-S-55/T(P)S4	85	35	110	55	160
	NVF2G-S-75/T(P)S4	114	50	150	75	250
	NVF2G-S-90/T(P)S4	133	70	176	90	250
	NVF2G-S-110/T(P)S4	160	120	210	110	315
	NVF2G-S-132/T(P)S4	195	120	253	132	400
	NVF2G-S-160/T(P)S4	236	120	300	160	630
	NVF2G-S-185/T(P)S4	267	240	340	1 85	630
	NVF2G-S-200/T(P)S4	289	240	380	200	630
	NVF2G-S-220/T(P)S4	305	150*2	420	220	630
	NVF2G-S-245/T(P)S4	350	150*2	470	245	800
	NVF2G-S-280/T(P)S4	403	185*2	520	280	800
	NVF2G-S-315/T(P)S4	420	240*2	6 00	315	1000
	NVF2G-S-355/T(P)S4	420	240*2	640	355	1000
	NVF2G-S-400/T(P)S4	460	300*2	690	400	1000

SAP No	Model Description	Power supply(V)	Load type	Motor power(kW)	Ordering code
G711540800000001	NVF2G-S-1.5/PS4	3 phase 380	P	1.5	431225
G711540800000002	NVF2G-S-2.2/PS4	3 phase 380	P	2.2	431226
G711540800000003	NVF2G-S-3.7/PS4	3 phase 380	P	3.7	431227
G711540800000004	NVF2G-S-5.5/PS4	3 phase 380	P	5.5	431228
G711540800000005	NVF2G-S-7.5/PS4	3 phase 380	P	7.5	431229
G711540800000006	NVF2G-S-11/PS4	3 phase 380	P	11	431230
G711540800000007	NVF2G-S-15/PS4	3 phase 380	P	15	431231
G711540800000008	NVF2G-S-18.5/PS4	3 phase 380	P	18.5	431232
G711540800000009	NVF2G-S-22/PS4	3 phase 380	P	22	431233
G711540800000010	NVF2G-S-30/PS4	3 phase 380	P	30	431234
G711540800000011	NVF2G-S-37/PS4	3 phase 380	P	37	431235
G711540800000012	NVF2G-S-45/PS4	3 phase 380	P	45	431236
G711540800000013	NVF2G-S-55/PS4	3 phase 380	P	55	431237
G711540800000014	NVF2G-S-75/PS4	3 phase 380	P	75	431238
G711540800000015	NVF2G-S-90/PS4	3 phase 380	P	90	431239
G711540800000016	NVF2G-S-110/PS4	3 phase 380	P	110	431240
G711540800000017	NVF2G-S-132/PS4	3 phase 380	P	132	431241
G711540800000018	NVF2G-S-160/PS4	3 phase 380	P	160	431242
G711540800000019	NVF2G-S-185/PS4	3 phase 380	P	185	431243
G711540800000020	NVF2G-S-200/PS4	3 phase 380	P	200	431244
G711540800000021	NVF2G-S-220/PS4	3 phase 380	P	220	431245
G711540800000022	NVF2G-S-245/PS4	3 phase 380	P	245	431246
G711540800000023	NVF2G-S-280/PS4	3 phase 380	P	280	431247
G711540800000024	NVF2G-S-315/PS4	3 phase 380	P	315	431248
G711540800000025	NVF2G-S-132/PS4-L	3 phase 380	P	132	431249
G711540800000026	NVF2G-S-160/PS4-L	3 phase 380	P	160	431250
G711540800000027	NVF2G-S-185/PS4-L	3 phase 380	P	185	431251
G711540800000028	NVF2G-S-200/PS4-L	3 phase 380	P	200	431252
G711540800000029	NVF2G-S-220/PS4-L	3 phase 380	P	220	431253
G711540800000030	NVF2G-S-245/PS4-L	3 phase 380	P	245	431254
G711540800000031	NVF2G-S-280/PS4-L	3 phase 380	P	280	431255
G711540800000032	NVF2G-S-315/PS4-L	3 phase 380	P	315	431256
G711540800000033	NVF2G-S-355/PS4-L	3 phase 380	P	355	431257
G711540800000034	NVF2G-S-400/PS4-L	3 phase 380	P	400	431258

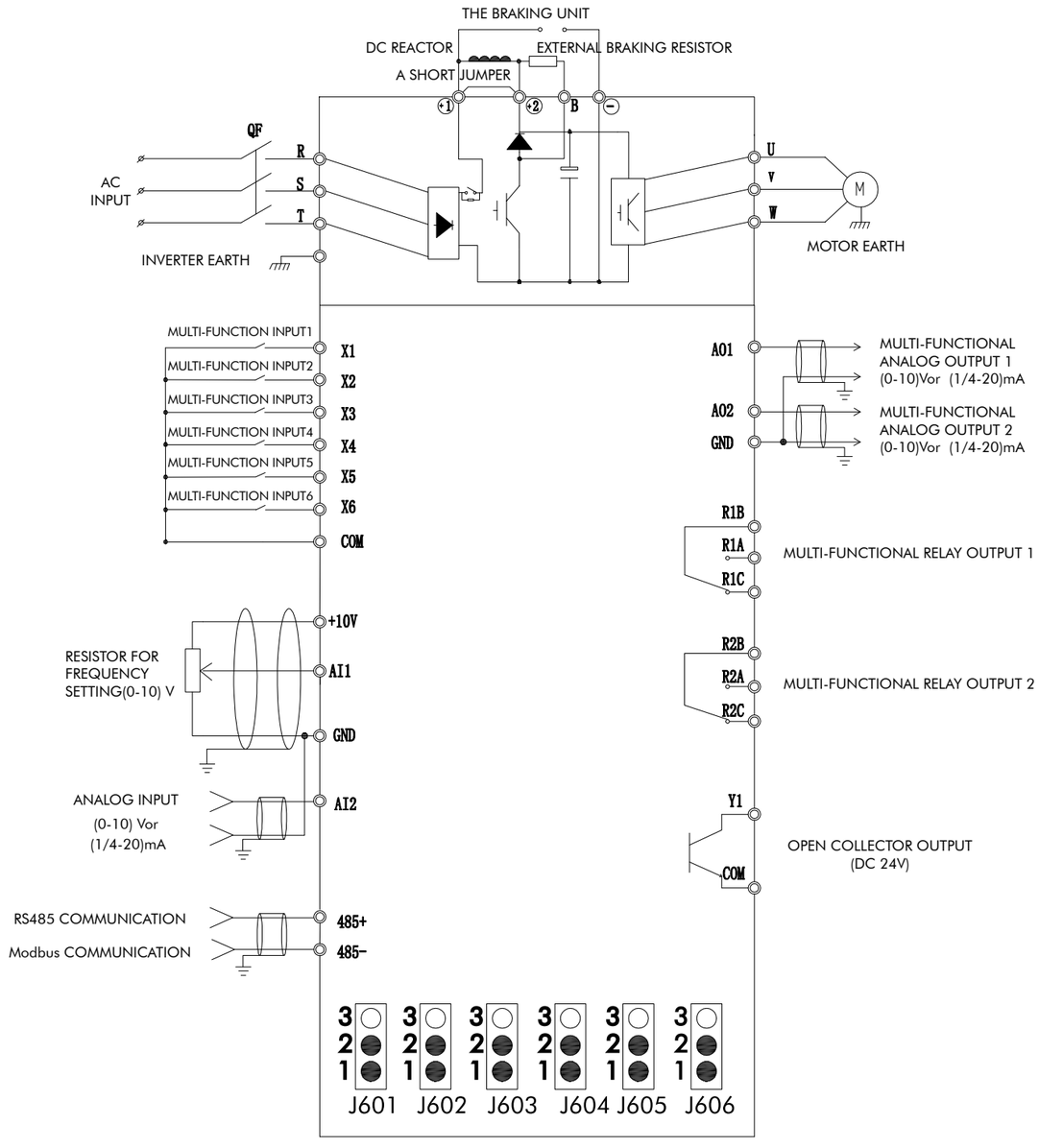
SAP No	Model Description	Power supply(V)	Load type	Motor power(kW)	Ordering code
G711540800000035	NVF2G-S-1.5/TS4	3 phase 380	T	1.5	431259
G711540800000036	NVF2G-S-2.2/TS4	3 phase 380	T	2.2	431260
G711540800000037	NVF2G-S-3.7/TS4	3 phase 380	T	3.7	431261
G711540800000038	NVF2G-S-5.5/TS4	3 phase 380	T	5.5	431262
G711540800000039	NVF2G-S-7.5/TS4	3 phase 380	T	7.5	431263
G711540800000040	NVF2G-S-11/TS4	3 phase 380	T	11	431264
G711540800000041	NVF2G-S-15/TS4	3 phase 380	T	15	431265
G711540800000042	NVF2G-S-18.5/TS4	3 phase 380	T	18.5	431266
G711540800000043	NVF2G-S-22/TS4	3 phase 380	T	22	431267
G711540800000044	NVF2G-S-30/TS4	3 phase 380	T	30	431268
G711540800000045	NVF2G-S-37/TS4	3 phase 380	T	37	431269
G711540800000046	NVF2G-S-45/TS4	3 phase 380	T	45	431270
G711540800000047	NVF2G-S-55/TS4	3 phase 380	T	55	431271
G711540800000048	NVF2G-S-75/TS4	3 phase 380	T	75	431272
G711540800000049	NVF2G-S-90/TS4	3 phase 380	T	90	431273
G711540800000050	NVF2G-S-110/TS4	3 phase 380	T	110	431274
G711540800000051	NVF2G-S-132/TS4	3 phase 380	T	132	431275
G711540800000052	NVF2G-S-160/TS4	3 phase 380	T	160	431276
G711540800000053	NVF2G-S-185/TS4	3 phase 380	T	185	431277
G711540800000054	NVF2G-S-200/TS4	3 phase 380	T	200	431278
G711540800000055	NVF2G-S-220/TS4	3 phase 380	T	220	431279
G711540800000056	NVF2G-S-245/TS4	3 phase 380	T	245	431280
G711540800000057	NVF2G-S-280/TS4	3 phase 380	T	280	431281
G711540800000058	NVF2G-S-110/TS4-L	3 phase 380	T	110	431282
G711540800000059	NVF2G-S-132/TS4-L	3 phase 380	T	132	431283
G711540800000060	NVF2G-S-160/TS4-L	3 phase 380	T	160	431284
G711540800000061	NVF2G-S-185/TS4-L	3 phase 380	T	185	431285
G711540800000062	NVF2G-S-200/TS4-L	3 phase 380	T	200	431286
G711540800000063	NVF2G-S-220/TS4-L	3 phase 380	T	220	431287
G711540800000064	NVF2G-S-245/TS4-L	3 phase 380	T	245	431288
G711540800000065	NVF2G-S-280/TS4-L	3 phase 380	T	280	431289
G711540800000066	NVF2G-S-315/TS4-L	3 phase 380	T	315	431290
G711540800000067	NVF2G-S-355/TS4-L	3 phase 380	T	355	431291
G711540800000068	NVF2G-S-400/TS4-L	3 phase 380	T	400	431292

7. Detailed technical parameters and performance

Item		Description
Input	Rated voltage	Three-phase: 380～440 V: 380V(-15 %) ～ 440V(+15%)
	Frequency	50Hz / 60Hz
	Voltage range	Three-phase: 380V(-15%)～440V(+ 15%)
	Frequency Range	(47～ 63)Hz
Output	Voltage	0～ rated input voltage
	Frequency	(0- 400) Hz
	Overload capacity	T : 150% rated current for 1 minute, 180% rated current for 2 seconds
		P type: 120% rated current for 1 minute, 150% rated current for 1 second
Main control Performance	Control method	No PG Vector Control(SVC) V/F control
	Modulation	Space Vector PWM Modulation
	Starting torque	150% rated torque at 0.5Hz(SVC)
	Frequency resolution	Digital setting: 0.01Hz; Analog setting: maximum frequency × 0.5%
	Torque boost	Automatic torque boost, manual torque boost
	V/F curve	Straight line V/F curve, 3 kinds of torque reduction characteristic curve methods (2.0 power ,1.7 power ,1.2 power), multi -point V/F curve method
	Acceleration and deceleration curve	Linear acceleration and deceleration (4 types)
	Automatic current limiting	Automatically limit the current during operation to prevent frequent over- current fault tripping
Customization function	Jogging	Jogging frequency range: (0.10 ～ 600.00) Hz
		Jogging acceleration and deceleration time (0.1 ～ 6500.0) s can be set, jogging interval time can be set
	Multi-speed operation	Realize multi-stage speed operation through control terminals
Peripheral Interface Features	Run command channel	Operation panel setting and control terminal setting communication control, which can be switched in various ways
	Digital input	6 multifunctional digital programmable inputs
	Digital output	1 channel multi-function digital programmable output
	Analog input	2 -way analog signal input , optional (0～20) mA , (4～20) mA current signal input or (0 ～10) V voltage output
	Analog output	2 channels of analog signal output , respectively optional (0～20) mA , (4～20) mA current output or (0～10) V voltage output, which can realize the output of physical quantities such as set frequency and output frequency
	Relay output	2 relay outputs , 2 normally open and normally closed. Contact capacity: NO 5A/NC 3A250V (AC)
	RS485 communication interface	1 channel, support Modbus protocol
Operation Panel	LED display	Can display more than 20 parameters such as set frequency, output frequency, output voltage, output current, etc.
	Key lock	Realize the locking of all or part of the keys
	Feature selection	Define the scope of action of some keys to prevent misuse
Protective function	With overcurrent protection, overvoltage protection, undervoltage protection, overheat protection, overload protection, phase loss protection and other protection functions	
Structure	Degree of protection	IP20
	Cooling method	Axial DC fan cooling
Installation method		Wall-mounted
Efficiency		37kW and below ≥ 93%; 45 kW and above ≥ 9 5%

8. Wiring diagram

NVF2G-S-1.5/PS4~400/TS4



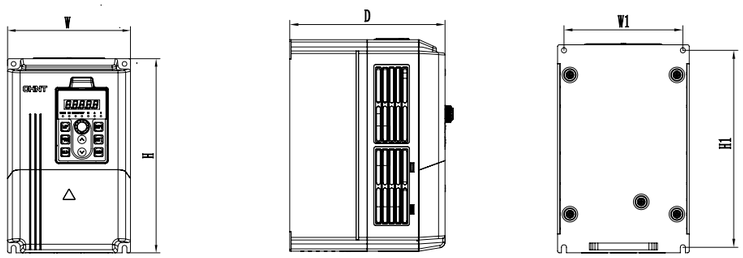
Notes of main circuit terminals

Function	Jumper Terminal	Short Connection Location & Definition	Description
AI1	J601	1-2 : V 2-3 : I	V: Voltage type analog input range : (-10- + 10) V;
AI2	J602	1 - 2:V 2-3 :I	I: Current analog input range : (0~20) mA or (4~20) mA
AO1	J603	1-2 : V 2-3 : I	V: Voltage type analog output range : (-10~ + 10)V;
AO2	J604	1-2 : V 2-3 : I	I: Current analog output range : (0~20) mA or (4~20) mA
485 terminal matching resistor	J605	1-2 : no access 2-3 : access	Matching resistor: 4.7kΩ
X1-X6 interface mode	J606	1-2: PNP 2-3: NPN	Default PNP type

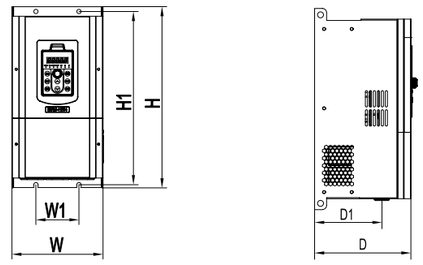
Notes of control terminals

Terminal No.	Terminal name	Description
R1A , R1B , R1C ,R2A , R2B , R2C	Relay contact output	RA and RB are normally open contact groups, RB and RC are normally closed contact groups, the function of RO 1 is set by parameter F6.02 , the factory default default output is fault output , and the function of RO 2 is set by parameter F6.03 , the factory default has no function
YI , COM	Open collector output	The function is set by parameter 6.01 , and the factory value is forward rotation state signal output.
485+, 485-	serial communication terminal	Terminal for RS485 serial communication with the outside .
+10V	Power supply for frequency setting	And A I1 , AI2 , GND — potentiometer (4.7k Ω ~10k Ω) .
AI1,GND	Analog signal input terminal	Connect to potentiometer or 0V~10V signal as frequency setting , PID setting or PID feedback.
AI2,GND	Analog signal input terminal	Input 0V ~ 10V/0 (4) mA ~ 20mA signal as frequency setting, PID setting or PID feedback.
AO1,GND	Analog signal output terminal	Connect DC 0V - 10V/0 (4) mA ~ 20mA voltmeter between AO1 and GND , which can be used to indicate operating frequency, output current, output voltage, etc.
AO2, GND	Analog signal output terminal	Connect a DC 0V~10V/0 (4) mA ~ 20mA voltmeter between AO2 and GND , which can be used to indicate operating frequency , output current, output voltage, etc.
X1	Multi-function input terminal 1	The factory setting is forward rotation
X2	Multi-function input terminal 2	The factory setting is reverse running
X3	Multi-function input terminal 3	The factory setting is run pause
X4	Multi-function input terminal 4	The factory setting is free parking
X5	Multi-function input terminal 5	The factory setting is no function
X6	Multifunctional input terminal six	The factory setting is no function
COM	Multi-function input terminal common ground	Common land of X1~X6 , use with X1~X6
24V,COM	Auxiliary power supply 24V output	DC power supply 24V output (≤ 50mA)

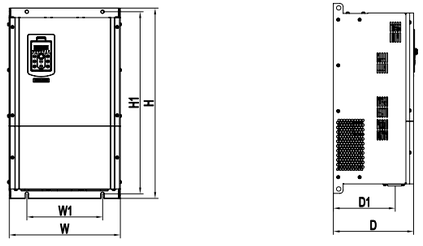
9. Mounting dimensions (mm) & weight (kg)



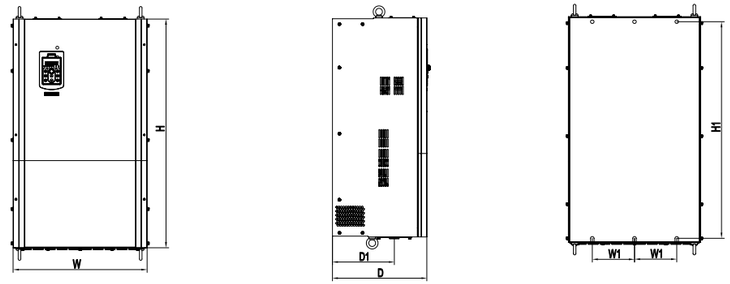
NVF2G-S-1.5/PS4 ~ NVF2G-S-11/PS4



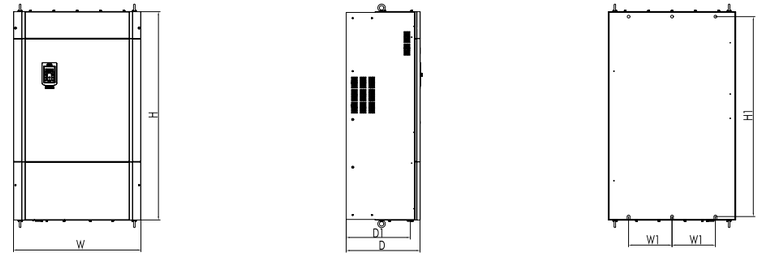
NVF2G-S ~ 11/TS4- NVF2G-S-30/PS4



NVF2G-S-30/PS4- NVF2G-S-75/PS4



NVF2G-S-75/TS4~NVF2G-S-315/PS4



NVF2G-S~315/TS4 ~-NVF2G-S-400/TS4

Product specifications	W	H	D	W1	H1	D1	Weight (kg)
NVF2G-1.5/PS4	118	187	173	106	175	110	2.4
NVF2G-1.5/TS4 (2.2/PS4)							
NVF2G-2.2/TS4 (3.7 /PS4)							
NVF2G-3.7/TS4 (5.5/PS4)							
NVF2G-5.5/TS4 (7.5/PS4)	155	247	189	140	232	125	3.6
NVF2G-7.5/TS4 (11/PS4)							
NVF2G-11/TS4 (15/PS4)	191	378	183	90	362	129	10.5
NVF2G-15/TS4 (18.5/PS4)							
NVF2G-18.5/TS4 (22/PS4)	215	426	213	120	407	164	15
NVF2G-22/TS4 (30/PS4)							
NVF2G-30/TS4 (37/PS4)	300	527	230	166.6	506	179	26.5
NVF2G-37/TS4 (45/PS4)							
NVF2G-45/TS4 (55/PS4)	352	603	257	240	577	197.5	34.4
NVF2G-55/TS4 (75/PS4)							
NVF2G-75/TS4 (90/PS4)	406	631	272	126	600	224	58
NVF2G-90/TS4 (110/PS4)							
NVF2G-110/TS4 (132/PS4)	470	807	352	150	769	226.5	108
NVF2G-132/TS4 (160/PS4)							
NVF2G-160/TS4 (185/PS4)	540	892	390	180	848	256	121
NVF2G-185/TS (200/PS4)							
NVF2G-200/TS4 (220/PS4)							
NVF2G-220/TS4 (245/PS4)	710	1020	386	250	978	284	171.5
NVF2G-245/TS4 (280/PS4)							
NVF2G-280/TS4 (315/PS4)							
NVF2G-315/TS4(355/PS4)	734	1200	426	250	1152	313	280
NVF2G-355/TS4 (400/PS4)							
NVF2G-400/TS4							



NVF7 VFD

1. Product overview

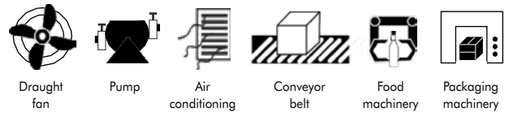
NVF7 series drive adopts open-loop and closed-loop magnetic flux vector control technology, with fast load response, large low-frequency torque, strong overload capacity, etc., to achieve accurate control of the equipment, the series of inverters have stable output, torque limit, speed tracking, simple PLC, process PID and other application functions, can meet the electrical drive needs of wire drawing, textile, machine tools, papermaking, packaging, food, plastic and fan pumps and a variety of automated production equipment.

2. Application scenarios

There are two main types of applicable loads:

- Constant torque type and heavy load.
- Variable torque type and light load.

Applicable equipment of the product



3. Main features

Rated working voltage: three-phase 380~480V, three-phase 230V, single phase 230V

Power range: 0.4KW~280KW

Output frequency range (Hz): 0Hz-500Hz

Control method: PG vector control(FVC), non PG vector control(SVC), V/F control

Frequency resolution:

Digital setting: 0.01Hz; Analog setting: Maximum frequency x 0.5%

Overload capacity:

T type: 150% rated current for 1 minute, 180% rated current for 2 seconds;

P type: 120% rated current for 1 minute, 150% rated current for 2 seconds

Multi speed control: 16 speed control

EMC: Category C3 EMC filter are standard built-in for all range.

DC choke: DC choke is standard built-in for NVF7-18.5T/22P(T5 frame) and above.

4. Environmental conditions

Ambient temperature: (-10~+40) ° C. When using between 40 ° C and 50 ° C, it's necessary to consider derating. The capacity decreases by 1% for every 1 ° C increase in temperature;

Relative humidity: (5-90)% R H;

Storage temperature: -25 ° C ~+55 ° C,

If the altitude is above 1000 meters, please reduce the rating by 1% for every 100m increase, but it cannot exceed 3000m;

Indoor use, places that are not exposed to direct sunlight, dust, corrosive gases, lammable gases, oil mist, water vapor, dripping water, or salt,

5. Type designation

NVF7-	7.5T	/	11P	-	Phases and Input voltage	-	B	1
Series Name	Motor power (KW) T: constant torque/heavy load type 0.4kW~280kW		Motor power (KW) P: variable torque/light load type 0.75kW~315kW		S: three phases D: single phase 2: 230V 4:380~480V		Brake unit: B: built in Blank:no	Operation panel: 1: LCD Blank:LED

6. Selection table and ordering code

Model (standard built in LED)	power supply capacity kVA	Input current A	Heavy load rated current A	Light load rated current A	Motor power kW (Heavy load/light load)	ordering code
NVF7-0.4T/0.75P-S4-B	2	1.8	1.5	2.5	0.4T/0.75P	505309
NVF7-0.75T/1.1P-S4-B	2.8	2.4	2.5	3.1	0.75T/1.1P	505310
NVF7-1.1T/1.5P-S4-B	4.1	3.7	3.1	3.7	1.1T/1.5P	505311
NVF7-1.5T/2.2P-S4-B	3.0	4.6	3.7	5.0	1.5T/2.2P	505312
NVF7-2.2T/3.0P-S4-B	3.0	6.3	5.0	7.2	2.2T/3.0P	505313
NVF7-3.0T/4.0P-S4-B	5.0	6.1	7.2	9.5	3.0T/4.0P	505314
NVF7-4.0T/5.5P-S4-B	5.9	10.5	9.5	12.2	4.0T/5.5P	505315
NVF7-5.5T/7.5P-S4-B	8.6	14.6	12.2	16.2	5.5T/7.5P	505316
NVF7-7.5T/11P-S4-B	13	19	16.2	24.6	7.5T/11P	505317
NVF7-11T/15P-S4-B	18	26	24.6	31.4	11T/15P	505318
NVF7-15T/18.5P-S4-B	25	34	31.4	37	15T/18.5P	505319
NVF7-18.5T/22P-S4-B	29	38.5	37	45	18.5T/22P	505320
NVF7-22T/30P-S4-B	34	46.5	45	60	22T/30P	505321
NVF7-30T/37P-S4 NVF7-30T/37P-S4-B	46	62	60	75	30T/37P	505322、505323
NVF7-37T/45P-S4 NVF7-37T/45P-S4-B	57	76	75	90	37T/45P	505324、505325
NVF7-45T/55P-S4 NVF7-45T/55P-S4-B	69	92	90	110	45T/55P	505326、505327
NVF7-55T/75P-S4 NVF7-55T/75P-S4-B	85	113	110	150	55T/75P	505328、505329
NVF7-75T/90P-S4 NVF7-75T/90P-S4-B	114	157	150	176	75T/90P	505330、505331
NVF7-90T/110P-S4 NVF7-90T/110P-S4-B	133	180	176	210	90T/110P	505332、505333
NVF7-110T/132P-S4 NVF7-110T/132P-S4-B	160	214	210	253	110T/132P	505334、505335
NVF7-132T/160P-S4	195	256	253	300	132T/160P	505336
NVF7-160T/185P-S4	236	307	300	340	160T/185P	505337
NVF7-185T/200P-S4	267	345	340	380	185T/200P	505338
NVF7-200T/220P-S4	305	430	380	420	200T/220P	505339
NVF7-220T/250P-S4	350	477	420	470	220T/250P	505340
NVF7-250T/280P-S4	420	526	470	520	250T/280P	505341
NVF7-280T/315P-S4	450	605	520	600	280T/315P	505342

Model (standard built in LCD)	power supply capacity kVA	Input current A	Heavy load rated current A	Light load rated current A	Motor power kW (Heavy load/light load)	ordering code
NVF7-0.4T/0.75P-S4-B1	2	1.8	1.5	2.5	0.4T/0.75P	505343
NVF7-0.75T/1.1P-S4-B1	2.8	2.4	2.5	3.1	0.75T/1.1P	505344
NVF7-1.1T/1.5P-S4-B1	4.1	3.7	3.1	3.7	1.1T/1.5P	505345
NVF7-1.5T/2.2P-S4-B1	3.0	4.6	3.7	5.0	1.5T/2.2P	505346
NVF7-2.2T/3.0P-S4-B1	3.0	6.3	5.0	7.2	2.2T/3.0P	505347
NVF7-3.0T/4.0P-S4-B1	5.0	6.1	7.2	9.5	3.0T/4.0P	505348
NVF7-4.0T/5.5P-S4-B1	5.9	10.5	9.5	12.2	4.0T/5.5P	505349
NVF7-5.5T/7.5P-S4-B1	8.6	14.6	12.2	16.2	5.5T/7.5P	505350
NVF7-7.5T/11P-S4-B1	13	19	16.2	24.6	7.5T/11P	505351
NVF7-11T/15P-S4-B1	18	26	24.6	31.4	11T/15P	505352
NVF7-15T/18.5P-S4-B1	25	34	31.4	37	15T/18.5P	505353
NVF7-18.5T/22P-S4-B1	29	38.5	37	45	18.5T/22P	505354
NVF7-22T/30P-S4-B1	34	46.5	45	60	22T/30P	505355
NVF7-30T/37P-S4-1 NVF7-30T/37P-S4-B1	46	62	60	75	30T/37P	505356、505357
NVF7-37T/45P-S4-1 NVF7-37T/45P-S4-B1	57	76	75	90	37T/45P	505358、505359
NVF7-45T/55P-S4-1 NVF7-45T/55P-S4-B1	69	92	90	110	45T/55P	505360、505361
NVF7-55T/75P-S4-1 NVF7-55T/75P-S4-B1	85	113	110	150	55T/75P	505362、505363
NVF7-75T/90P-S4-1 NVF7-75T/90P-S4-B1	114	157	150	176	75T/90P	505364、505365
NVF7-90T/110P-S4-1 NVF7-90T/110P-S4-B1	133	180	176	210	90T/110P	505366、505367
NVF7-110T/132P-S4-1 NVF7-110T/132P-S4-B1	160	214	210	253	110T/132P	505368、505369
NVF7-132T/160P-S4-1	195	256	253	300	132T/160P	505370
NVF7-160T/185P-S4-1	236	307	300	340	160T/185P	505371
NVF7-185T/200P-S4-1	267	345	340	380	185T/200P	505372
NVF7-200T/220P-S4-1	305	430	380	420	200T/220P	505373
NVF7-220T/250P-S4-1	350	477	420	470	220T/250P	505374
NVF7-250T/280P-S4-1	420	526	470	520	250T/280P	505375
NVF7-280T/315P-S4-1	450	605	520	600	280T/315P	505376

Table 2.2.2 Model and Specification of Three phase 230V Drive

Model (standard built in LED)	power supply capacity kVA	Input current A	Heavy load rated current A	Light load rated current A	Motor power kW (Heavy load/light load)	ordering code
NVF7-0.4T/0.75P-S2-B	2	1.8	1.5	2.5	0.4T/0.75P	512455
NVF7-0.75T/1.1P-S2-B	2.8	2.4	2.5	3.1	0.75T/1.1P	512456
NVF7-1.1T/1.5P-S2-B	4.1	3.7	3.1	3.7	1.1T/1.5P	512457
NVF7-1.5T/2.2P-S2-B	3.0	4.6	3.7	5.0	1.5T/2.2P	512458
NVF7-2.2T/3.0P-S2-B	3.0	6.3	5.0	7.2	2.2T/3.0P	512459
NVF7-3.0T/4.0P-S2-B	5.0	6.1	7.2	9.5	3.0T/4.0P	512460
NVF7-4.0T/5.5P-S2-B	5.9	10.5	9.5	12.2	4.0T/5.5P	512461
NVF7-5.5T/7.5P-S2-B	8.6	14.6	12.2	16.2	5.5T/7.5P	512462
NVF7-7.5T/9.5P-S2-B	13	19	16.2	24.6	7.5T/11P	512463
NVF7-9.5T/11P-S2-B	20	51	37	45	9.5T/11P	512464
NVF7-11T/15P-S2-B	18	26	24.6	31.4	11T/15P	512465
NVF7-15T/18.5P-S2 NVF7-15T/18.5P-S2-B	25	34	31.4	37	15T/18.5P	512466、512467
NVF7-18.5T/22P-S2 NVF7-18.5T/22P-S2-B	29	38.5	37	45	18.5T/22P	512468、512469
NVF7-22T/30P-S2 NVF7-22T/30P-S2-B	34	46.5	45	60	22T/30P	512470、512471
NVF7-30T/37P-S2 NVF7-30T/37P-S2-B	46	62	60	75	30T/37P	512472、512473
NVF7-37T/45P-S2 NVF7-37T/45P-S2-B	57	76	75	90	37T/45P	512474、512475
NVF7-45T/55P-S2 NVF7-45T/55P-S2-B	69	92	90	110	45T/55P	512476、512477

Model (standard built in LCD)	power supply capacity kVA	Input current A	Heavy load rated current A	Light load rated current A	Motor power kW (Heavy load/light load)	ordering code
NVF7-0.4T/0.75P-S2-B1	2	1.8	1.5	2.5	0.4T/0.75P	512478
NVF7-0.75T/1.1P-S2-B1	2.8	2.4	2.5	3.1	0.75T/1.1P	512479
NVF7-1.1T/1.5P-S2-B1	4.1	3.7	3.1	3.7	1.1T/1.5P	512480
NVF7-1.5T/2.2P-S2-B1	3.0	4.6	3.7	5.0	1.5T/2.2P	512481
NVF7-2.2T/3.0P-S2-B1	3.0	6.3	5.0	7.2	2.2T/3.0P	512482
NVF7-3.0T/4.0P-S2-B1	5.0	6.1	7.2	9.5	3.0T/4.0P	512483
NVF7-4.0T/5.5P-S2-B1	5.9	10.5	9.5	12.2	4.0T/5.5P	512484
NVF7-5.5T/7.5P-S2-B1	8.6	14.6	12.2	16.2	5.5T/7.5P	512485
NVF7-7.5T/9.5P-S2-B1	13	19	16.2	24.6	7.5T/11P	512486
NVF7-9.5T/11P-S2-B1	20	51	37	45	9.5T/11P	512487
NVF7-11T/15P-S2-B1	18	26	24.6	31.4	11T/15P	512488
NVF7-15T/18.5P-S2-B	25	34	31.4	37	15T/18.5P	512467
NVF7-18.5T/22P-S2-B	29	38.5	37	45	18.5T/22P	512469
NVF7-22T/30P-S2-B	34	46.5	45	60	22T/30P	512471
NVF7-30T/37P-S2-B	46	62	60	75	30T/37P	512473
NVF7-37T/45P-S2-B	57	76	75	90	37T/45P	512475
NVF7-45T/55P-S2-B	69	92	92	110	45T/55P	512477
NVF7-15T/18.5P-S2-1 NVF7-15T/18.5P-S2-B1	25	34	31.5	37	15T/18.5P	512489、512490
NVF7-18.5T/22P-S2-1 NVF7-18.5T/22P-S2-B1	29	38.5	37	45	18.5T/22P	512491、512492
NVF7-22T/30P-S2-1 NVF7-22T/30P-S2-B1	34	46.5	45	60	22T/30P	512493、512494
NVF7-30T/37P-S2-1 NVF7-30T/37P-S2-B1	46	62	60	75	30T/37P	512495、512496
NVF7-37T/45P-S2-1 NVF7-37T/45P-S2-B1	57	76	75	90	37T/45P	512497、512498
NVF7-45T/55P-S2-1 NVF7-45T/55P-S2-B1	69	92	90	110	45T/55P	512499、512500

Table 2.2.3 Single-phase 230V Drive Model Specification Table

Model (standard built in LED)	power supply capacity kVA	Input current A	Heavy load rated current A	Light load rated current A	Motor power kW (Heavy load/ light load)	ordering code
NVF7-0.4T-D2-B	1.1	5.0	2.3	-	0.4T	512501
NVF7-0.75T-D2-B	2.1	9.5	4.0	-	0.75T	512502
NVF7-1.5T-D2-B	2.9	15.5	7.0	-	1.5T	512503
NVF7-2.2T-D2-B	5.3	20	9.6	-	2.2T	512504
NVF7-3.0T-D2-B	6.5	26	12.2	-	3.0T	512505
NVF7-4.0T-D2-B	7.5	32	16.2	-	4.0T	512506

Model (standard built in LCD)	power supply capacity kVA	Input current A	Heavy load rated current A	Light load rated current A	Motor power kW (Heavy load/ light load)	ordering code
NVF7-0.4T-D2-B1	1.1	5.0	2.3	-	0.4T	512507
NVF7-0.75T-D2-B1	2.1	9.5	4.0	-	0.75T	512508
NVF7-1.5T-D2-B1	2.9	15.5	7.0	-	1.5T	512509
NVF7-2.2T-D2-B1	5.3	20	9.6	-	2.2T	512510
NVF7-3.0T-D2-B1	6.5	26	12.2	-	3.0T	512511
NVF7-4.0T-D2-B1	7.5	32	16.2	-	4.0T	512512

Model	Description	ordering code
NVF7- LED VA7KEY01	Operation panel LED	513138
NVF7- LCD VA7KEY02	Operation panel LCD	513139
NVF7-VA7KEY03	Mounting bracket	513140
NVF7-VA7CB02	Extension cable 2 meters	513141
NVF7-VA7CB04	Extension cable 4 meters	513142

SAP No	Model Description	Power supply(V)	Load type	Motor power(kW)	Ordering code
G711541900000001	NVF7-0.4T/0.75P-S4-B	3 phase 380	T/P	0.4T/0.75P	505309
G711541900000002	NVF7-0.75T/1.1P-S4-B	3 phase 380	T/P	0.75T/1.1P	505310
G711541900000003	NVF7-1.1T/1.5P-S4-B	3 phase 380	T/P	1.1T/1.5P	505311
G711541900000004	NVF7-1.5T/2.2P-S4-B	3 phase 380	T/P	1.5T/2.2P	505312
G711541900000005	NVF7-2.2T/3.0P-S4-B	3 phase 380	T/P	2.2T/3.0P	505313
G711541900000006	NVF7-3.0T/4.0P-S4-B	3 phase 380	T/P	3.0T/4.0P	505314
G711541900000007	NVF7-4.0T/5.5P-S4-B	3 phase 380	T/P	4.0T/5.5P	505315
G711541900000008	NVF7-5.5T/7.5P-S4-B	3 phase 380	T/P	5.5T/7.5P	505316
G711541900000009	NVF7-7.5T/11P-S4-B	3 phase 380	T/P	7.5T/11P	505317
G711541900000010	NVF7-11T/15P-S4-B	3 phase 380	T/P	11T/15P	505318
G711541900000011	NVF7-15T/18.5P-S4-B	3 phase 380	T/P	15T/18.5P	505319
G711541900000012	NVF7-18.5T/22P-S4-B	3 phase 380	T/P	18.5T/22P	505320
G711541900000013	NVF7-22T/30P-S4-B	3 phase 380	T/P	22T/30P	505321
G711541900000014	NVF7-30T/37P-S4	3 phase 380	T/P	30T/37P	505322
G711541900000015	NVF7-30T/37P-S4-B	3 phase 380	T/P	30T/37P	505323
G711541900000016	NVF7-37T/45P-S4	3 phase 380	T/P	37T/45P	505324
G711541900000017	NVF7-37T/45P-S4-B	3 phase 380	T/P	37T/45P	505325
G711541900000018	NVF7-45T/55P-S4	3 phase 380	T/P	45T/55P	505326
G711541900000019	NVF7-45T/55P-S4-B	3 phase 380	T/P	45T/55P	505327
G711541900000020	NVF7-55T/75P-S4	3 phase 380	T/P	55T/75P	505328
G711541900000021	NVF7-55T/75P-S4-B	3 phase 380	T/P	55T/75P	505329
G711541900000022	NVF7-75T/90P-S4	3 phase 380	T/P	75T/90P	505330
G711541900000023	NVF7-75T/90P-S4-B	3 phase 380	T/P	75T/90P	505331
G711541900000024	NVF7-90T/110P-S4	3 phase 380	T/P	90T/110P	505332
G711541900000025	NVF7-90T/110P-S4-B	3 phase 380	T/P	90T/110P	505333
G711541900000026	NVF7-110T/132P-S4	3 phase 380	T/P	110T/132P	505334
G711541900000027	NVF7-110T/132P-S4-B	3 phase 380	T/P	110T/132P	505335
G711541900000028	NVF7-132T/160P-S4	3 phase 380	T/P	132T/160P	505336
G711541900000029	NVF7-160T/185P-S4	3 phase 380	T/P	160T/185P	505337
G711541900000030	NVF7-185T/200P-S4	3 phase 380	T/P	185T/200P	505338
G711541900000031	NVF7-200T/220P-S4	3 phase 380	T/P	200T/220P	505339
G711541900000032	NVF7-220T/250P-S4	3 phase 380	T/P	220T/250P	505340
G711541900000033	NVF7-250T/280P-S4	3 phase 380	T/P	250T/280P	505341
G711541900000034	NVF7-280T/315P-S4	3 phase 380	T/P	280T/315P	505342
G711541900000074	NVF7-0.4T/0.75P-S4-B1	3 phase 380	T/P	0.4T/0.75P	505343
G711541900000075	NVF7-0.75T/1.1P-S4-B1	3 phase 380	T/P	0.75T/1.1P	505344
G711541900000076	NVF7-1.1T/1.5P-S4-B1	3 phase 380	T/P	1.1T/1.5P	505345
G711541900000077	NVF7-1.5T/2.2P-S4-B1	3 phase 380	T/P	1.5T/2.2P	505346
G711541900000078	NVF7-2.2T/3.0P-S4-B1	3 phase 380	T/P	2.2T/3.0P	505347
G711541900000079	NVF7-3.0T/4.0P-S4-B1	3 phase 380	T/P	3.0T/4.0P	505348
G711541900000080	NVF7-4.0T/5.5P-S4-B1	3 phase 380	T/P	4.0T/5.5P	505349
G711541900000081	NVF7-5.5T/7.5P-S4-B1	3 phase 380	T/P	5.5T/7.5P	505350
G711541900000082	NVF7-7.5T/11P-S4-B1	3 phase 380	T/P	7.5T/11P	505351

SAP No	Model Description	Power supply(V)	Load type	Motor power(kW)	Ordering code
G711541900000083	NVF7-11T/15P-S4-B1	3 phase 380	T/P	11T/15P	505352
G711541900000084	NVF7-15T/18.5P-S4-B1	3 phase 380	T/P	15T/18.5P	505353
G711541900000085	NVF7-18.5T/22P-S4-B1	3 phase 380	T/P	18.5T/22P	505354
G711541900000086	NVF7-22T/30P-S4-B1	3 phase 380	T/P	22T/30P	505355
G711541900000087	NVF7-30T/37P-S4-1	3 phase 380	T/P	30T/37P	505356
G711541900000088	NVF7-30T/37P-S4-B1	3 phase 380	T/P	30T/37P	505357
G711541900000089	NVF7-37T/45P-S4-1	3 phase 380	T/P	37T/45P	505358
G711541900000090	NVF7-37T/45P-S4-B1	3 phase 380	T/P	37T/45P	505359
G711541900000091	NVF7-45T/55P-S4-1	3 phase 380	T/P	45T/55P	505360
G711541900000092	NVF7-45T/55P-S4-B1	3 phase 380	T/P	45T/55P	505361
G711541900000093	NVF7-55T/75P-S4-1	3 phase 380	T/P	55T/75P	505362
G711541900000094	NVF7-55T/75P-S4-B1	3 phase 380	T/P	55T/75P	505363
G711541900000095	NVF7-75T/90P-S4-1	3 phase 380	T/P	75T/90P	505364
G711541900000096	NVF7-75T/90P-S4-B1	3 phase 380	T/P	75T/90P	505365
G711541900000097	NVF7-90T/110P-S4-1	3 phase 380	T/P	90T/110P	505366
G711541900000098	NVF7-90T/110P-S4-B1	3 phase 380	T/P	90T/110P	505367
G711541900000099	NVF7-110T/132P-S4-1	3 phase 380	T/P	110T/132P	505368
G711541900000100	NVF7-110T/132P-S4-B1	3 phase 380	T/P	110T/132P	505369
G711541900000101	NVF7-132T/160P-S4-1	3 phase 380	T/P	132T/160P	505370
G711541900000102	NVF7-160T/185P-S4-1	3 phase 380	T/P	160T/185P	505371
G711541900000103	NVF7-185T/200P-S4-1	3 phase 380	T/P	185T/200P	505372
G711541900000104	NVF7-200T/220P-S4-1	3 phase 380	T/P	200T/220P	505373
G711541900000105	NVF7-220T/250P-S4-1	3 phase 380	T/P	220T/250P	505374
G711541900000106	NVF7-250T/280P-S4-1	3 phase 380	T/P	250T/280P	505375
G711541900000107	NVF7-280T/315P-S4-1	3 phase 380	T/P	280T/315P	505376
G711541900000108	NVF7-0.4T/0.75P-S2-B	3 phase 230	T/P	0.4T/0.75P	512455
G711541900000109	NVF7-0.75T/1.1P-S2-B	3 phase 230	T/P	0.75T/1.1P	512456
G711541900000110	NVF7-1.1T/1.5P-S2-B	3 phase 230	T/P	1.1T/1.5P	512457
G711541900000111	NVF7-1.5T/2.2P-S2-B	3 phase 230	T/P	1.5T/2.2P	512458
G711541900000112	NVF7-2.2T/3.0P-S2-B	3 phase 230	T/P	2.2T/3.0P	512459
G711541900000113	NVF7-3.0T/4.0P-S2-B	3 phase 230	T/P	3.0T/4.0P	512460
G711541900000114	NVF7-4.0T/5.5P-S2-B	3 phase 230	T/P	4.0T/5.5P	512461
G711541900000115	NVF7-5.5T/7.5P-S2-B	3 phase 230	T/P	5.5T/7.5P	512462
G711541900000116	NVF7-7.5T/9.5P-S2-B	3 phase 230	T/P	7.5T/9.5P	512463
G711541900000117	NVF7-9.5T/11P-S2-B	3 phase 230	T/P	9.5T/11P	512464
G711541900000118	NVF7-11T/15P-S2-B	3 phase 230	T/P	11T/15P	512465
G711541900000119	NVF7-15T/18.5P-S2	3 phase 230	T/P	15T/18.5P	512466
G711541900000120	NVF7-15T/18.5P-S2-B	3 phase 230	T/P	15T/18.5P	512467
G711541900000121	NVF7-18.5T/22P-S2	3 phase 230	T/P	18.5T/22P	512468
G711541900000122	NVF7-18.5T/22P-S2-B	3 phase 230	T/P	18.5T/22P	512469
G711541900000123	NVF7-22T/30P-S2	3 phase 230	T/P	22T/30P	512470
G711541900000124	NVF7-22T/30P-S2-B	3 phase 230	T/P	22T/30P	512471
G711541900000125	NVF7-30T/37P-S2	3 phase 230	T/P	30T/37P	512472

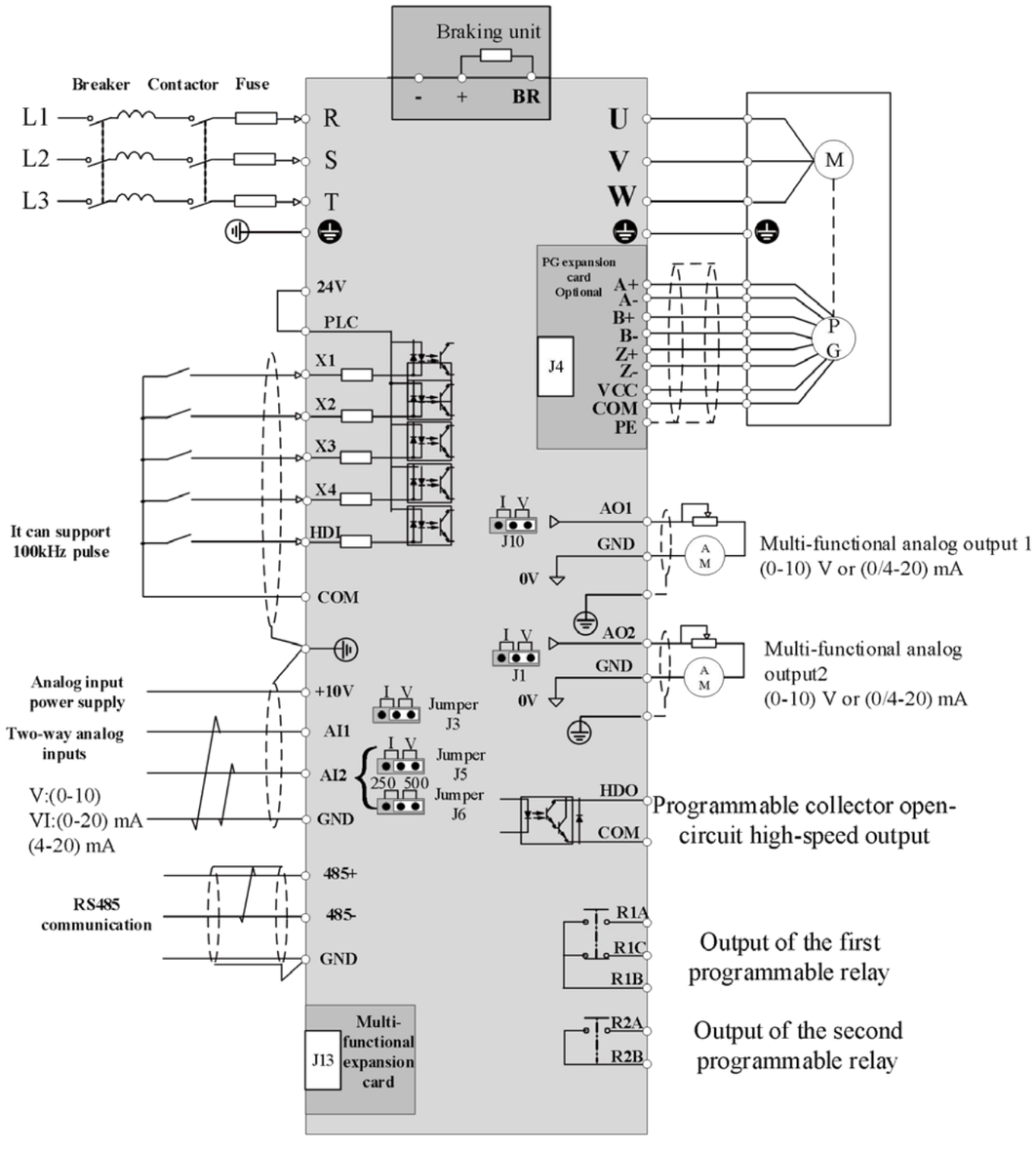
SAP No	Model Description	Power supply(V)	Load type	Motor power(kW)	Ordering code
G711541900000126	NVF7-30T/37P-S2-B	3 phase 230	T/P	30T/37P	512473
G711541900000127	NVF7-37T/45P-S2	3 phase 230	T/P	37T/45P	512474
G711541900000128	NVF7-37T/45P-S2-B	3 phase 230	T/P	37T/45P	512475
G711541900000129	NVF7-45T/55P-S2	3 phase 230	T/P	45T/55P	512476
G711541900000130	NVF7-45T/55P-S2-B	3 phase 230	T/P	45T/55P	512477
G711541900000131	NVF7-0.4T/0.75P-S2-B1	3 phase 230	T/P	0.4T/0.75P	512478
G711541900000132	NVF7-0.75T/1.1P-S2-B1	3 phase 230	T/P	0.75T/1.1P	512479
G711541900000133	NVF7-1.1T/1.5P-S2-B1	3 phase 230	T/P	1.1T/1.5P	512480
G711541900000134	NVF7-1.5T/2.2P-S2-B1	3 phase 230	T/P	1.5T/2.2P	512481
G711541900000135	NVF7-2.2T/3.0P-S2-B1	3 phase 230	T/P	2.2T/3.0P	512482
G711541900000136	NVF7-3.0T/4.0P-S2-B1	3 phase 230	T/P	3.0T/4.0P	512483
G711541900000137	NVF7-4.0T/5.5P-S2-B1	3 phase 230	T/P	4.0T/5.5P	512484
G711541900000138	NVF7-5.5T/7.5P-S2-B1	3 phase 230	T/P	5.5T/7.5P	512485
G711541900000139	NVF7-7.5T/9.5P-S2-B1	3 phase 230	T/P	7.5T/9.5P	512486
G711541900000140	NVF7-9.5T/11P-S2-B1	3 phase 230	T/P	9.5T/11P	512487
G711541900000141	NVF7-11T/15P-S2-B1	3 phase 230	T/P	11T/15P	512488
G711541900000142	NVF7-15T/18.5P-S2-1	3 phase 230	T/P	15T/18.5P	512489
G711541900000143	NVF7-15T/18.5P-S2-B1	3 phase 230	T/P	15T/18.5P	512490
G711541900000144	NVF7-18.5T/22P-S2-1	3 phase 230	T/P	18.5T/22P	512491
G711541900000145	NVF7-18.5T/22P-S2-B1	3 phase 230	T/P	18.5T/22P	512492
G711541900000146	NVF7-22T/30P-S2-1	3 phase 230	T/P	22T/30P	512493
G711541900000147	NVF7-22T/30P-S2-B1	3 phase 230	T/P	22T/30P	512494
G711541900000148	NVF7-30T/37P-S2-1	3 phase 230	T/P	30T/37P	512495
G711541900000149	NVF7-30T/37P-S2-B1	3 phase 230	T/P	30T/37P	512496
G711541900000150	NVF7-37T/45P-S2-1	3 phase 230	T/P	37T/45P	512497
G711541900000151	NVF7-37T/45P-S2-B1	3 phase 230	T/P	37T/45P	512498
G711541900000152	NVF7-45T/55P-S2-1	3 phase 230	T/P	45T/55P	512499
G711541900000153	NVF7-45T/55P-S2-B1	3 phase 230	T/P	45T/55P	512500
G711541900000154	NVF7-0.4T-D2-B	1 phase 230	T	0.4T	512501
G711541900000155	NVF7-0.75T-D2-B	1 phase 230	T	0.75T	512502
G711541900000156	NVF7-1.5T-D2-B	1 phase 230	T	1.5T	512503
G711541900000157	NVF7-2.2T-D2-B	1 phase 230	T	2.2T	512504
G711541900000158	NVF7-3.0T-D2-B	1 phase 230	T	3.0T	512505
G711541900000159	NVF7-4.0T-D2-B	1 phase 230	T	4.0T	512506
G711541900000160	NVF7-0.4T-D2-B1	1 phase 230	T	0.4T	512507
G711541900000161	NVF7-0.75T-D2-B1	1 phase 230	T	0.75T	512508
G711541900000162	NVF7-1.5T-D2-B1	1 phase 230	T	1.5T	512509
G711541900000163	NVF7-2.2T-D2-B1	1 phase 230	T	2.2T	512510
G711541900000164	NVF7-3.0T-D2-B1	1 phase 230	T	3.0T	512511
G711541900000165	NVF7-4.0T-D2-B1	1 phase 230	T	4.0T	512512
G711541900000166	VA7KEY01				513138
G711541900000167	VA7KEY02				513139
G711541900000168	VA7KEY03				513140
G711541900000169	VA7CB02				513141
G711541900000170	VA7CB04				513142

7. Detailed technical parameters and performance

Output	Voltage	0 ~ rated input voltage
	Frequency	(0-500) Hz
	overload capacity	Type T: 150% rated current for 1 minute, 180% rated current for 2 seconds Type P: 120% rated current for 1 minute, 150% rated current for 1 second
Main Controls Performance	control mode	PG free vector control (SVC); PG vector control (FVC); V/F control;
	modulation mode	Space vector PWM modulation
	Starting torque	SVC: 150% rated torque at 0.25Hz FVC: 180% rated torque at 0Hz 150% rated torque at V/F: 0.5Hz
	frequency resolution	Digital setting: 0.01Hz; Analog setting: maximum frequency x 0.5%
	Torque boost	Automatic Torque Boost, Manual Torque Boost
	V/F curve	Straight V/F curve, VF full separation mode, VF semi separation mode, multi-point V/F curve mode
	acceleration and deceleration curves	Linear acceleration and deceleration (4 types)
	Automatic current limiting	Automatic limitation of current during operation to prevent frequent overcurrent fault tripping
Customization features	Tap	Jog frequency range: (0.10~50.00) Hz Jog acceleration/deceleration time (0.1-6000.0) s
	Multi-stage speed operation	Multi-speed operation via control terminals
Peripheral Interface Characteristics	Run the command channel	Operator panel setting, control terminal setting and communication control setting can be switched in various ways
	digital inputs	5 channels of multi-function digital programmable input, including 1 channel of HDI high-speed pulse input
	Digital Output	1 multi-function digital programmable output, which can be set as high-speed pulse output or open collector output
	Analog Input	2 analog signal inputs Optional (0~20) mA, (4~20) mA current signal input or (0-10) V voltage signal input
	Analog Output	2 analog signal outputs Selectable (0~20) mA, (4~20) mA current output or (0~10) V voltage output respectively, which can realize the output of physical quantities such as set frequency and output frequency
	Relay Output	2-channel relay output, including 1-channel normally open and normally closed conversion output, 1-channel normally open output. Contact capacity: NO 5A, NC 3A, 250V (AC)
	RS485 communication interface	1 channel, supporting Modbus protocol
LED operation panel	LED display	It can display more than 20 kinds of parameters such as setting frequency, output frequency, output voltage, output current and so on
	Key lock	To realize full or partial locking of the keys
	function selection	Define the scope of action of some keys to prevent misuse
LCD operation panel	LCD display	2.4 inch, resolution 320*240
	Language	Chinese, English display (default English)
	Indicator light	1 status indicator
(optional)		
protection functions	With over-current protection, over-voltage protection, under-voltage protection, over-heating protection, overload protection, phase loss protection and other protection functions	
Structure	protection class	IP20
	Cooling method	axial DC fan cooling
mounting method		Wall-mounted, flange-mounted lamps
Efficiency		＞ 98%

8. Wiring diagram

NVF7



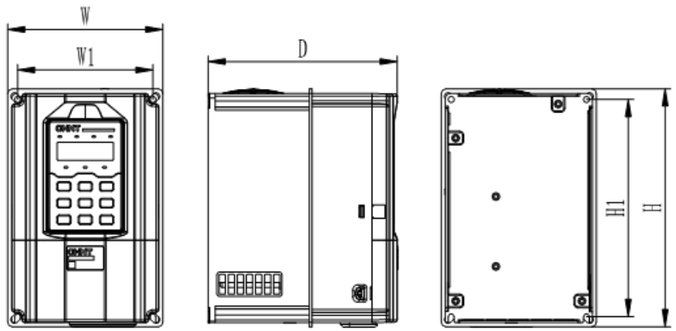
Notes of main circuit terminals

Terminal symbol	Terminal name	Functional Description	Wiring Precautions
R、S、T	Main circuit power input	Three-phase AC voltage input, connected to the grid	1. must be wired according to the terminal function, otherwise there is a risk of damage to the inverter, or even lead to fire. 2. The wiring length of the braking unit shall not exceed 10m, and shall use twisted pair or close double wire parallel wiring; 3. When external braking resistor is connected, do not connect the braking resistor directly to the DC bus, otherwise there is a danger of damaging the inverter, or even lead to fire.
U、V、W	Inverter output	Three-phase AC voltage output, generally connected to the motor	
⏚	Ground terminal	The safety grounding terminal must be reliably grounded, and the cross-sectional area of the grounding wire must not be smaller than the cross-sectional area of the input power line of the frequency converter	
⊕、⊖	positive and negative power terminals	positive and negative power terminals of the DC bus of the inverter	
Ⓑ	Brake resistor connection terminals	Brake resistor connection terminals	

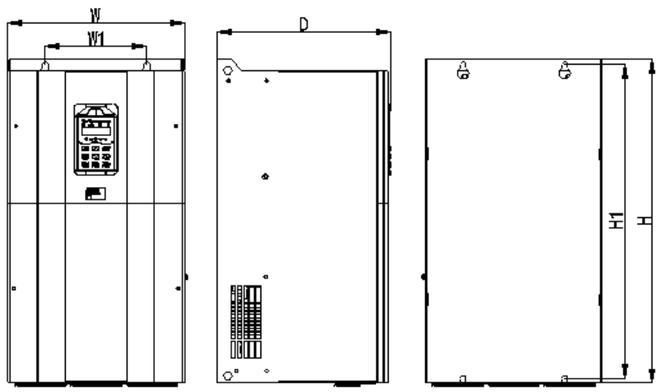
Notes of control terminals

Category	Terminals	Name	terminal function description
Power supply	+10V	+10V power supply	External+10V power supply, maximum output current: 10mA It is generally used as the working power supply of the external potentiometer, and the resistance range of the potentiometer is 1k Ω~5k Ω
	GND	+10V power supply ground	
	+24V	+24V power supply	Provide+24V power supply to the outside, which is generally used as the working power supply of digital input and output terminals and the power supply of external sensors Maximum output current: 200mA
	COM	+24V power supply common terminal	
	PLC	External power input terminals	Factory default connection with+24V through short connector When using external power supply to drive X1~X4 and HDI, PLC needs to be connected to external power supply and disconnected from+24V power supply terminal
analog inputs	AI1	Analog single ended input AI1	Voltage input range: 0Vdc~10Vdc, Current input range: 0mA~20mA or 4mA~20mA Decided by jumper J3 jumper selection Input impedance: 22k Ω for voltage input and 500 Ω for current input.
	AI2	Analog single ended input AI2	Voltage input range: 0Vdc~10Vdc, Current input range: 0mA~20mA or 4mA~20mA Decided by jumper J5 jumper selection Input impedance: 22k Ω for voltage input, 500 Ω or 250 Ω for current input via J6 jumper
analog output	AO1	Analog Output	The voltage or current output is determined by the selection of J10 and J1 jumpers on the control board Output voltage range: 0V~10V Output current range: 0mA~20mA or 4mA~20mA
	AO2	Analog Output	
Communications	485+	RS485 communication interface 288	485 differential signal positive Standard RS485 communication interface Please use twisted pair or shielded cable
	485-		485 differential signal negative
digital input terminals	X1	Multi-function input terminal 1	Optical coupling isolation, compatible with bipolar inputs Input impedance: 1.39k Ω Voltage range for effective level input: 18V~30V Programmable multi-function switch input terminal, see function codes F5-00~F5-03
	X2	Multi-function input terminal 2	
	X3	Multi-function input terminal 3	
	X4	Multi-function input terminal 4	
	HDI	High speed input terminal HDI	In addition to the characteristics of X1~X4, it can also be used as a high-speed pulse input channel Maximum input frequency: 100kHz Input impedance: 1.03k Ω
digital output terminals	HDO	High-speed pulse output terminal	Constrained by parameter F6-00HDO terminal output mode selection When it is output as high-speed pulse, the highest frequency is 100kHz (set by F6-09) When it is used as collector open circuit output, it can program multiple function pulse signal output terminals, see function code F6-01
Relay output terminal 1	R1B-R1A	normally open terminal contacts	For programmable multi-function relay output terminal, see function code F6-02 Contact driving capacity: 5A 250V (AC) 30Vdc,1A
	R1B-R1C	Normally closed terminal contacts	
Relay output terminal 2	R2B-R2A	normally open terminal contacts	For programmable multi-function relay output terminal, see function code F6-04 Contact driving capacity: 5A 250V (AC) 30Vdc,1A

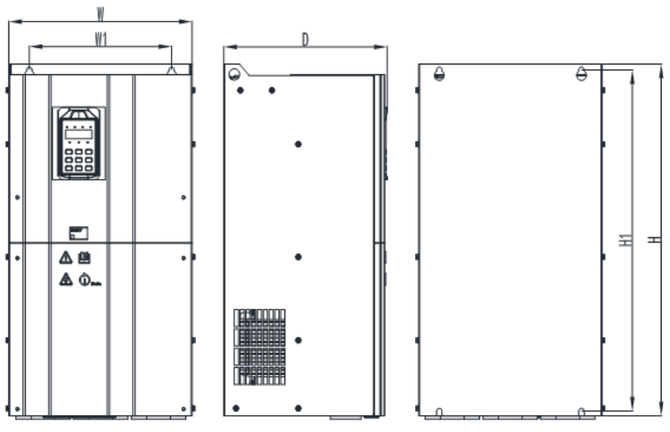
9. Mounting dimensions (mm) & weight (kg)



T2~T5



T6~T7



T8~T11

Terminal No.	W	H	D	W1	H1	Weight (Kg)
NVF7-0.4T/0.75P	136.9	207.5	166.8	119.4	189.4	2.5
NVF7-0.75T/1.1P						
NVF7-1.1T/1.5P						
NVF7-1.5T/2.2P						
NVF7-2.2T/3.0P						
NVF7-3.0T/4.0P						
NVF7-4.0T/5.5P						
NVF7-5.5T/7.5P						
NVF7-7.5T/11P	152	262	186.4	129	239	3.7
NVF7-11T/15P						
NVF7-15T/18.5P	187	288	185.9	169	269	5.5
NVF7-18.5T/22P	218.4	358.5	223.6	189.2	335.5	11
NVF7-22T/30P						
NVF7-30T/37P	270	466	268.1	233	443	21
NVF7-37T/45P						
NVF7-45T/55P	313	580	309.6	180	562	38
NVF7-55T/75P						
NVF7-75T/90P	348	620	310.3	270	604	49
NVF7-90T/110P						
NVF7-110T/132/P						
NVF7-132T/160P	400	915	331.7	320	891	84
NVF7-160T/185P						
NVF7-185T/200P	400	915	361.7	320	891	90
NVF7-200T/220P						
NVF7-220T/250P	550	1100	418.5	400	1070	118
NVF7-250T/280P						
NVF7-280T/315P						



NJR2-D
Soft-Starter

1. General

NJR2-D series soft-starter is cored on advanced dual-CPU control technology. It controls SCR module, realizes soft starting & stopping of three-phase AC induction motor, and has wide range of protection functions e.g. overload, input phase failure, output phase failure, load short-circuit, starting limiting overtime,over-voltage, and under-voltage.

NJR2-D series soft-starter requires external bypass contactorwith voltage range of 380V, power specifications for 7.5KW to 500KW; has characteristics of good load adaptability,stable and reliable operation, and widely used in electrical drive equipment in the fields of metallurgy, petroleum,fire, mining, water supply, municipal, food, cement and petrochemical. It is an ideal updated product of traditionalstar - delta starter, and self-coupling voltage starting.

Standard: GB 14048.6 IEC 60947-4-2.

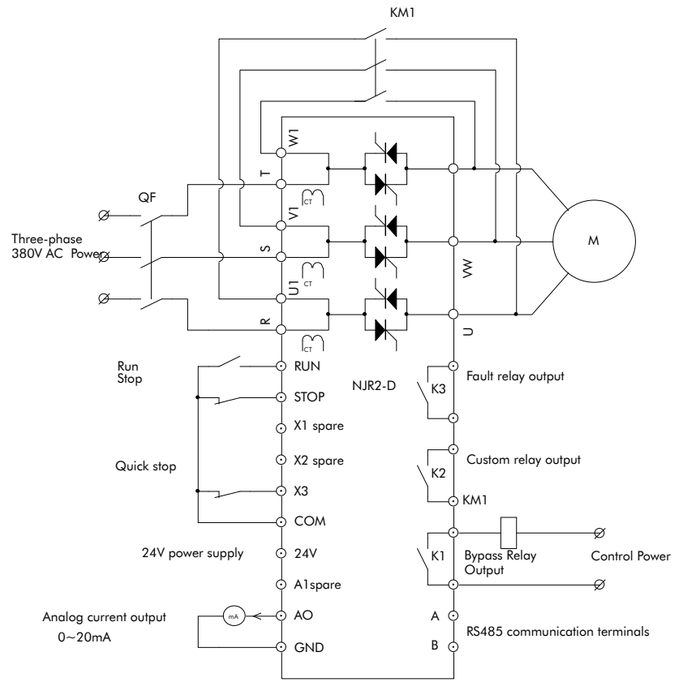
2. Type designation

N	J	R	2	– □	□
Company code	AC motors	Soft-starter	Design sequence No.	Motor power	Power supply
				7.5kW~500kW	D: 3 phase 380V

3. Technical data

3.1 Mains voltage: Three-phase AC 380V (± 15%)
3.2 Mains frequency:50Hz/60Hz(± 2%))
3.3 Applicable motor: three phase squirrel cage induction motor
3.4 Pollution degree: 3
3.5 Protection class:IP20
3.6 Rated insulation voltage:660V
3.7 Rated impulse withstand voltage:2kV
3.8 Cooling: Natural cooling
3.9 Starting frequency: Recommended no more than 10 times per hour, the heavier the load, the less the starting frequency;
3.10 Shock resistance: shock less than 0.5g
3.11 Environmental conditions: When the altitude is more than 1000m, used at reduced capacity, current is reduced by 0.5% for each additional 100m above
3.12 When ambient temperature is between (-10 ~ 40) ℃ ,current is reduced by 2% for each 1℃ more than 40 ℃
3.13 Relative humidity less than 95% (20 ~ 65) ℃
3.14 No condensation, no flammable gas, no conductive dust, well ventilated
3.15 Soft starting time Soft stopping time Starting delay Starting interval delay Programmable Output Delay
3.16 Startup mode: six kinds Shutdown mode: two kinds3.17 Initial voltage for soft starting Soft-starting current limiting scope Soft stopping current limiting scope

4. Wiring diagram



External terminal wiring instructions

B	RS485 communication terminals	When RS485 communication is required, please contact the manufacturer.
A	RS485 communication terminals	
GND	Analog ground	As the reference ground for A0 output
AO	(0 ~ 20) mA current output	GND as reference ground
A1	Spare terminals	
24V	+24 V output	Reference ground of COM, maximum output of 100mA
COM	Common terminal	Reference ground of +24 V
X3	Quick stop terminal	Connecting with COM when factory default, once disconnect, output will be stopped with an "open circuit" fault
X2	Spare terminals	
X1	Spare terminals	
STOP	Stopping terminal	Can realize "two wire"and "three wire"control with COM
RUN	Running terminal	Can realize "two wire"and "three wire"control with COM
K3	Fault relay output, normally open Contact capacity (5A/250VAC)	When there is a fault, the relay picks up (0.2s pick-up time during power-up instant).
K2	Programmable relay outputs, normally open Contact capacity (5A/250VAC)	The relay function can be defined programmatically, when effective, the relay picks up.
K1	Bypass relay output, normally open; Contact capacity (5A/250VAC)	Control bypass contactor.

5. Features

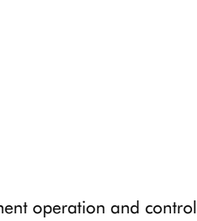
5.1 Perfect Human Design:
5.1.1 The wide-body large LCD, the Chinese and English display, parameter setting, and equipment operation and control are made easier and simpler;
5.1.2 Advanced diverse soft starting mode can adapt to various types of starting demands of load devices;
Voltage starting mode
Current-limiting starting mode
Step voltage + current limiting starting mode
Step voltage + voltage starting mode
Current ramp starting mode
Double-loop starting mode
5.1.3 Enable online display of the current operating voltage and current signals, and have fault name and memory function to facilitate commissioning and maintenance of equipment;
5.1.4 full aluminum radiator patented design, better cooling effect, and natural ventilation, saving installation space;
5.1.5 Unique soft start master-slave linkage function, conducive to the production process control of equipment;
5.1.6 RS485 communication function, easy to control and automation networking engineered (to be customized).
5.2 Reliable Quality Assurance
5.2.1 Intelligent dual-CPU optimized design, so that the system operation is more stable and reliable;
5.2.2 SMT chip production process, reducing the failure rate of the circuit board;
5.2.3 Excellent Electromagnetic Compatibility;
5.2.4 High temperature aging test and load test of the machine ensure high reliability of manufactured products.
5.3 Perfect and Reliable Protection
5.3.1 Soft starter under-voltage, overvoltage protection;
5.3.2 Soft starter overheating, starting timeout protection;
5.3.3 Starting over-current, operating overload, load short circuit protection;
5.3.4 Input phase failure, output phase failure, and phase imbalance protection.

①



5.4 Removable keyboard,easy to operate outside remote operation control.(see ①)

②



5.5 all-aluminum design patent (75kW and below) gives better heat dissipation, natural air cooling, and saves space (see ②)

③



5.6 RS485 communication function (requiring extended RS485 communication module), facilitating networked control and automation engineered; providing three relay outputs: operation, ramp-top and failure for external linkage control. (See ③)

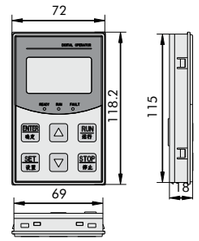
④



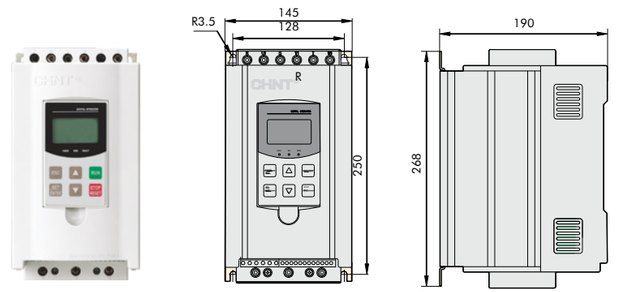
5.7 Display of operating voltage and current; fault description code display and memory function (see ④)
5.8 Unique master-slave linkage soft starting function, beneficial to production process control.

6. Overall and mounting dimensions (mm)

Display box

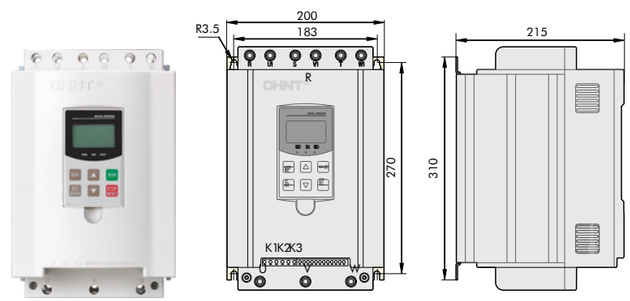


NJR2-7.5D~45D



Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-7.5D	15	7.5	5
NJR2-11D	22	11	
NJR2-15D	29	15	
NJR2-18.5D	36	18.5	
NJR2-22D	42	22	
NJR2-30D	57	30	
NJR2-37D	70	37	
NJR2-45D	84	45	

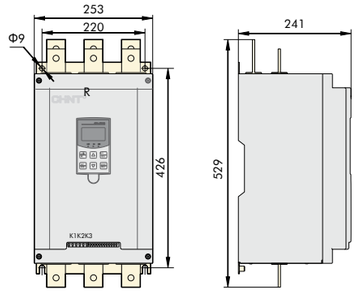
NJR2-55D~75D



Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-55D	103	55	8
NJR2-75D	140	75	

NJR2-90D~185D

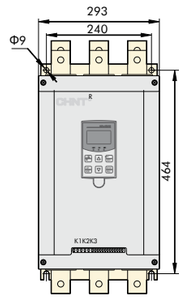


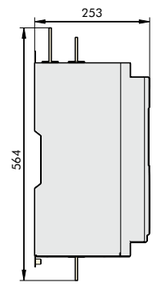


Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-90D	167	90	20
NJR2-110D	207	110	
NJR2-132D	248	132	
NJR2-150D	280	150	
NJR2-160D	300	160	
NJR2-185D	349	185	

NJR2-220D~315D



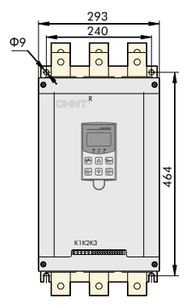


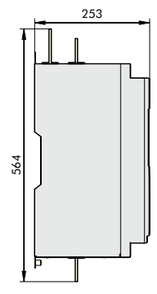


Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-220D	404	220	25
NJR2-250D	459	250	
NJR2-280D	514	280	
NJR2-315D	579	315	

NJR2-355D~500D







Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-355D	634	355	52.5
NJR2-400D	720	400	
NJR2-450D	810	450	
NJR2-500D	900	500	

7. Ordering information

7.1 Please select the required model and specification according to the instructions on model and meaning when ordering.
Example: The controlled motor power of 45kW is installed and used with soft starting cabinet or matching distribution cabinet.Ordering model: NJR2-45D (to be connected with the bypass contactor with corresponding specifications)

7.2 When motor with more than 4 poles is used with soft starter, recommend to select one size larger. Example: the controlled motor power 75kW is installed and used with soft starting cabinet or matching distribution cabinet.Ordering model: NJR2-90D (to be connected with the bypass contactor with corresponding specifications)

7.3 When bipolar motor is used with soft starter, as the starting current is large, please set the parameters correct as per the instruction manual before use.

7.4 For heavy load application, recommend the use of soft starter one grade larger.



NJR2-T Soft-Starter

1. General

NJR2-T series soft-starter is suitable for three-phase 220V voltage level soft starter, and is cored on advanced dual-CPU control technology. It controls SCR module, realizes soft starting & stopping of three-phase AC induction motor (squirrel cage type), and has wide range of protection functions e.g. overload, input phase failure, output phase failure, load short-circuit, starting limiting overtime, over-voltage, and under-voltage.

The products form into complete set mainly with control cabinet; and are mainly used supporting the bypass AC contactor with corresponding specifications. The product specifications cover 7.5KW ~160KW squirrel cage type three-phase AC induction motor; and widely used in electrical drive equipment in the fields of metallurgy, fire mining, water supply, municipal administration, food, cement and petrochemical. It is an ideal updated product of traditional star - delta starter, and self-coupling voltagestarting.

Standard:GB 14048.6 IEC 60947-4-2.

2. Type designation

N	J	R	2	– □	T
Company code	AC motors	Soft-starter	Design sequence No.	Motor power	Power supply
				7.5kW~160kW	3 phase 220V

3. Technical data

3.1 Power supply voltage: Three-phase AC220V (± 15%) 50Hz/60Hz (± 2%)

3.2 Starting current: 0.5 to 5 times the starting current limit 3.3 Ramp-down time: 0s ~ 60s

3.4 Base value voltage for soft starting: 30%Ue ~ 70% Ue

3.5 Kickstart Time: 0.1s

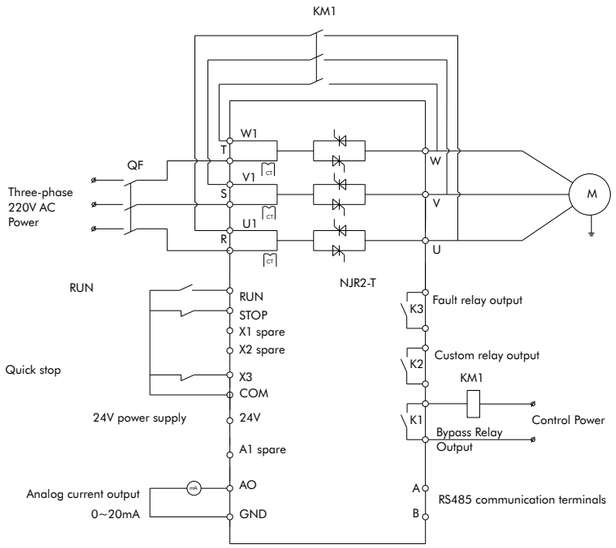
3.6 Environment requirements

Where the altitude is over 1000m, the capacity utilization should be reduced, current reduced by 0.5% for each additional 100m to 1000m;

Ambient temperature of -10℃ ~40℃ (current is reduced by 3% for each 1℃ above 40℃);

Relative humidity less than 95% Indoor environments featuring non-condensing, free of flammable and explosive gas, free of conductive dust, well-ventilated.

4. Wiring diagram



External terminal wiring instructions

B	RS485 communication terminals	When RS485 communication is required, please contact the manufacturer.
A	RS485 communication terminals	
GND	Analog ground	As the reference ground for A0 output
AO	(0 ~ 20) mA current output	GND as reference ground
A1	Spare terminals	
24V	+24 V output	Reference ground of COM, maximum output of 100mA
COM	Common terminal	Reference ground of +24 V
X3	quick stop terminal	Connecting with COM when factory default, once disconnect, output will be stopped with an "open circuit" fault
X2	Spare terminals	
X1	Spare terminals	
STOP	Stopping terminal	Can realize "two wire"and "three wire"control with COM
RUN	Running terminal	Can realize "two wire"and "three wire"control with COM
K3	Fault relay output, normally open Contact capacity (5A/250VAC)	When there is a fault, the relay picks up (0.2s pick-up time during power-up instant).
K2	Programmable relay outputs, normally open Contact capacity (5A/250VAC)	The relay function can be defined programmatically, when effective, the relay picks up.
K1	Bypass relay output, normally open; Contact capacity (5A/250VAC)	Control bypass contactor.

5. Features

5.1 Perfect Human Design:
5.1 1 The wide-body large LCD, the Chinese and English display, parameter setting, and equipment operation and control are made easier and simpler;
5.1 2 Advanced diverse soft starting mode can adapt to various types of starting demands of load devices;
Voltage starting mode

Step voltage + current limiting starting mode
Step voltage + voltage starting mode
Current ramp starting mode
Double-loop starting mode

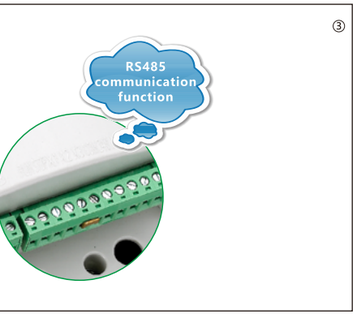
5.1.3 Enable online display of the current operating voltage and current signals, and have fault name and memory function to facilitate commissioning and maintenance of equipment;
5.1.4 Full aluminum radiator patented design, better cooling effect, and natural ventilation, saving installation space;
5.1.5 Unique soft start master-slave linkage function, conducive to the production process control of equipment;
5.1.6 RS485 communication function, easy to control and automation networking engineered (to be customized).
5.2 Reliable Quality Assurance
5.2.1 Intelligent dual-CPU optimized design, so that the system operation is more stable and reliable;
5.2.2 SMT chip production process, reducing the failure rate of the circuit board;
5.2.3 Excellent Electromagnetic Compatibility;
5.2.4 High temperature aging test and load test of the machine ensure high reliability of manufactured products.
5.3 Perfect and Reliable Protection
5.3.1 Soft starter under-voltage, overvoltage protection;
5.3.2 Soft starter overheating, starting timeout protection;
5.3.3 Starting over-current, operating overload, load short circuit protection;
5.3.4 Input phase failure, output phase failure, and phase imbalance protection.



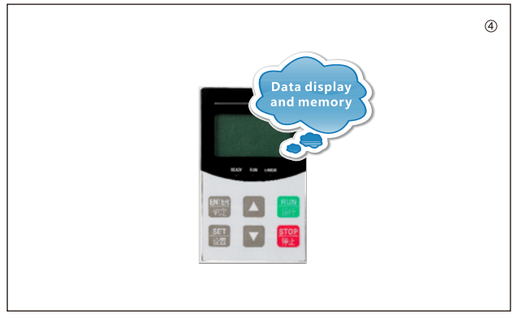
5.4 Removable keyboard,easy to operate outside remote operation control.(see ①)



5.5 all-aluminum design patent (75kW and below) gives better heat dissipation, natural air cooling, and saves space (see ②)



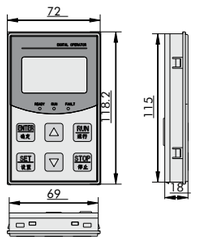
5.6 RS485 communication function (requiring extended RS485 communication module), facilitating networked control and automation engineered; providing three relay outputs: operation, ramp-top and failure for external linkage control. (See ③)
5.8 Unique master-slave linkage soft starting function, beneficial to production process control.



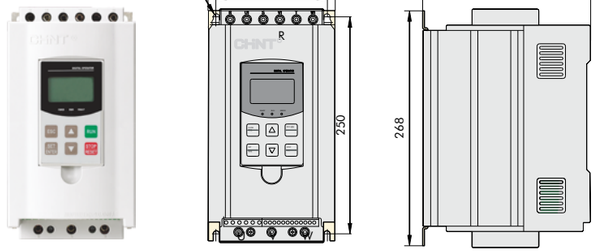
5.7 Display of operating voltage and current; fault description code display and memory function (see ④)

6. Overall and mounting dimensions (mm)

Display box

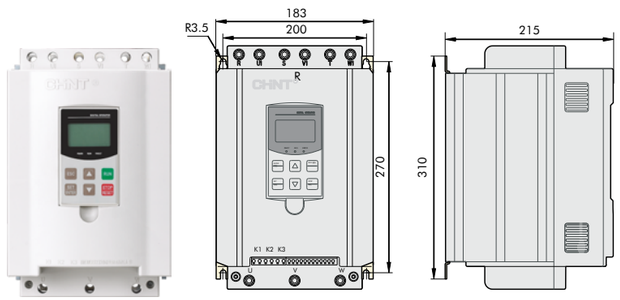


NJR2-7.5T~22T



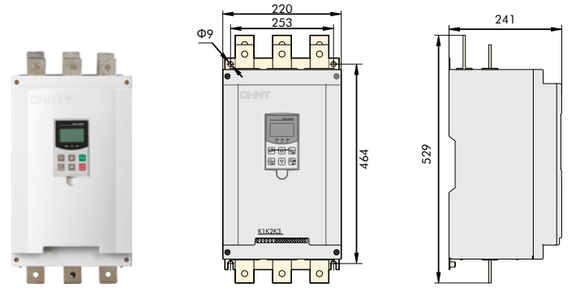
Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-7.5T	30	7.5	5
NJR2-11T	44	11	
NJR2-15T	60	15	
NJR218.5T	74	18.5	
NJR2-22T	88	22	

NJR2-30T~37T



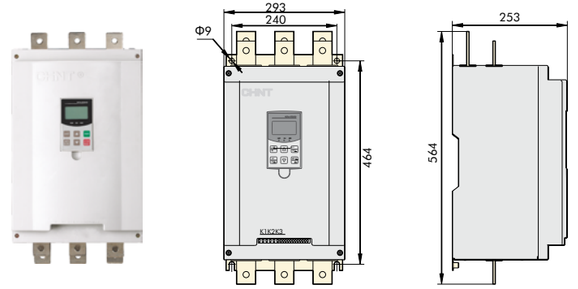
Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-30T	120	30	8
NJR2-37T	148	37	

NJR2-45T~90T



Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-45T	180	45	20
NJR2-55T	220	55	
NJR2-75T	300	75	
NJR2-90T	360	90	

NJR2-110T~160T



Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-110T	440	110	25
NJR2-132T	528	132	
NJR2-160T	640	160	

7. Ordering information

7.1 Please select the required model and specification according to the instructions on model and meaning when ordering.
Example: The controlled motor power of 45kW is installed and used with soft starting cabinet or matching distribution cabinet. Ordering model: NJR2-45T

7.2 When motor with more than 4 poles is used with soft starter, recommend to select one size larger.
Example: the controlled motor power 55kW is installed and used with soft starting cabinet or matching distribution cabinet. Ordering model: NJR2-110T

7.3 When bipolar motor is used with soft starter, as the starting current is large, please set the parameters correct as per the instruction manual before use.



NJR2-ZX
On-line Soft-Starter

1. General

NJR2-ZX Series on-line soft-starter is cored on advanced dualCPU control technology. It controls SCR module, realizes soft starting & stopping of three-phase AC induction motor (squirrel cage type), and has wide range of protection functions e.g. overload, input phase failure, output phase failure, load shortcircuit, starting limiting overtime, over-voltage, and undervoltage.

After starting motor, the product does not require bypass contactor, with power specifications covering 7.5KW ~75KW; widely used in electrical drive equipment in the fields of metallurgy, fire, mining, water supply, municipal administration, food,cement and petrochemical. It is an ideal updated product of traditional star - delta starter, and self-coupling voltage starting.

Standard: GB 14048.6,IEC 60947-4-2.

2. Type designation

N	J	R	2	–	□	ZX
Company code	AC motors	Soft-starter	Design sequence No.		Motor power	Type
					7.5kW~75kW	On-line soft starter

3. Technical data

3.1 Power supply voltage: Three-phase AC380V (± 15%)
50Hz/60Hz (± 2%)

3.2 Starting current: 0.5 to 5 times the starting current limit

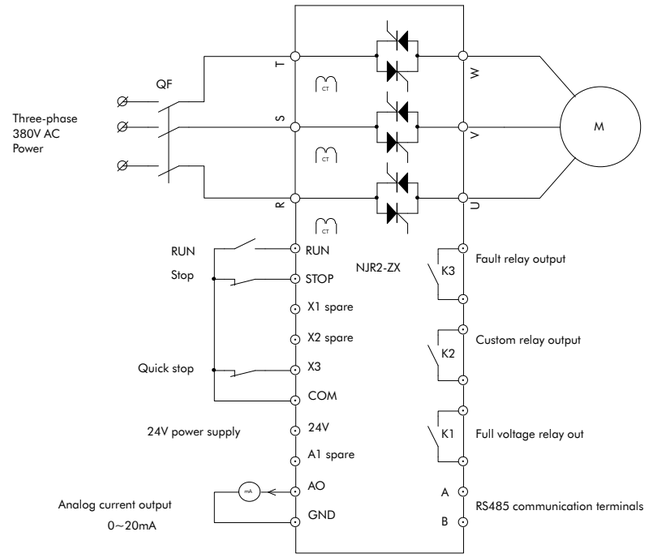
3.3 Ramp-down time: 0s ~ 60s

3.4 Base value voltage for soft starting: 30%Ue ~ 70% Ue

3.5 Kickstart Time: 0.1s

3.6 Environment requirements
Where the altitude is over 1000m, the capacity utilization should be reduced, current reduced by 0.5% for each additional 100m to 1000m;
Ambient temperature of -10℃ ~40℃ (current is reduced by 3% for each 1℃ above 40℃);
Relative humidity less than 95% Indoor environments featuring non-condensing, free of flammable and explosive gas, free of conductive dust, well-ventilated.

4. Wiring diagram



External terminal wiring instructions

B	RS485 communication terminals	When RS485 communication is required, please contact the manufacturer.
A	RS485 communication terminals	
GND	Analog ground	As the reference ground for A0 output
AO	(0 ~ 20) mA current output	GND as reference ground
A1	Spare terminals	
24V	+24 V output	Reference ground of COM, maximum output of 100mA
COM	Common terminal	Reference ground of +24 V
X3	Quick stop terminal	Connecting with COM when factory default, once disconnect, output will be stopped with an “open circuit” fault
X2	Spare terminals	
X1	Spare terminals	
STOP	Stopping terminal	Can realize “two wire”and “three wire”control with COM
RUN	Running terminal	Can realize “two wire”and “three wire”control with COM
K3	Fault relay output, normally open Contact capacity (5A/250VAC)	When there is a fault, the relay picks up (0.2s pick-up time during power-up instant).
K2	Programmable relay outputs, normally open Contact capacity (5A/250VAC)	The relay function can be defined programmatically, when effective, the relay picks up.
K1	Bypass relay output, normally open; Contact capacity (5A/250VAC)	Control bypass contactor.

5. Features

5.1 Long-time online operation without requiring bypass contactor, saving installation space.

5.2 Intelligent Digital Dual SCM optimized control

5.3 Diversified advanced soft starting

5.3.1 voltage starting mode

5.3.2 Current limiting starting mode

5.3.3 Kick voltage + current limiting start mode

5.3.4 Kick voltage + voltage starting mode

5.3.5 Current ramp starting mode

5.3.6 Dual closed-loop starting mode

5.4 Built-in overload, input phase failure, output phase failure, load short-circuit, start current limiting timeout, over-voltage, under-voltage overheating and other protection functions.

①



②



5.5 Wide-body large LCD displays are in both Chinese English, the operation is more humane and the operation and parameter settings are more simple and man-machine dialogue is achieved (see ① ②)

③



④



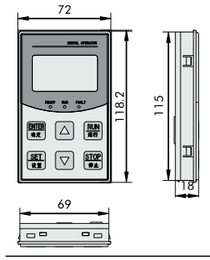
5.6 Display of operating voltage and current; fault code display and memory function (see ③)

5.7 RS485 communication function (requiring extended RS485 communication module), facilitating networking control and automation engineered; providing three relay outputs: operating, ramp-top and failure for external linkage control. (see ④)

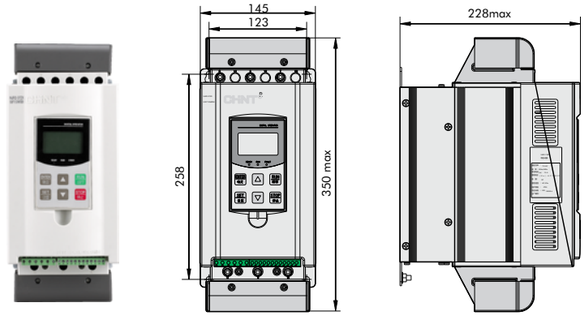
5.8 Unique master-slave linkage soft starting function, facilitating production process control of equipment.

6. Overall and mounting dimensions (mm)

Display box

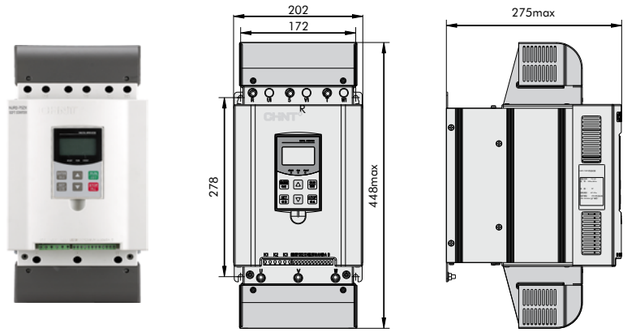


NJR2-7.5ZX~37ZX



Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-7.5ZX	15	7.5	7
NJR2-11ZX	22	11	
NJR2-15ZX	29	15	
NJR2-18.5ZX	36	18.5	
NJR2-22ZX	42	22	
NJR2-30ZX	57	30	
NJR2-37ZX	70	37	

NJR2-45ZX~75ZX



Model	Rated Current (A)	Power of controlled motor(kW)	Weight (kg)
NJR2-45ZX	84	45	11
NJR2-55ZX	103	55	
NJR2-75ZX	140	75	

7. Ordering information

7.1 Please select the required model and specification according to the instructions on model and meaning when ordering.
Example: The controlled motor power of 45kW is installed and used with soft starting cabinet or matching distribution cabinet.Ordering model: NJR2-45ZX

7.2 When motor with more than 4 poles is used with soft starter, recommend to select one size larger.
Example: the controlled motor power 55kW is installed and used with soft starting cabinet or matching distribution cabinet.
Ordering model: NJR2-75ZX

7.3 When bipolar motor is used with soft starter, as the starting current is large, please set the parameters correct as per the instruction manual before use.

7.4 For heavy load application, recommend the use of soft starter one grade larger.

SAP No	Model Description	Type	Power supply(V)	Motor power(kW)	Ordering code
G710090100000001	NJR2-7.5T	External bypass	3 phase 220V	7.5	701000
G710090100000002	NJR2-11T	External bypass	3 phase 220V	11	701001
G710090100000003	NJR2-15T	External bypass	3 phase 220V	15	701002
G710090100000004	NJR2-18.5T	External bypass	3 phase 220V	18.5	701003
G710090100000005	NJR2-22T	External bypass	3 phase 220V	22	701004
G710090100000006	NJR2-30T	External bypass	3 phase 220V	30	701005
G710090100000007	NJR2-37T	External bypass	3 phase 220V	37	701006
G710090100000008	NJR2-45T	External bypass	3 phase 220V	45	701007
G710090100000009	NJR2-55T	External bypass	3 phase 220V	55	701008
G710090100000010	NJR2-75T	External bypass	3 phase 220V	75	701009
G710090100000011	NJR2-90T	External bypass	3 phase 220V	90	701010
G710090100000012	NJR2-110T	External bypass	3 phase 220V	110	701011
G710090100000013	NJR2-132T	External bypass	3 phase 220V	132	701012
G710090100000014	NJR2-160T	External bypass	3 phase 220V	160	701013
G710098700000144	NJR2-7.5D	External bypass	3 phase 380V	7.5	489019
G710098700000145	NJR2-11D	External bypass	3 phase 380V	11	489020
G710098700000146	NJR2-15D	External bypass	3 phase 380V	15	489021
G710098700000147	NJR2-18.5D	External bypass	3 phase 380V	18.5	489022
G710098700000148	NJR2-22D	External bypass	3 phase 380V	22	489023
G710098700000149	NJR2-30D	External bypass	3 phase 380V	30	489024
G710098700000150	NJR2-37D	External bypass	3 phase 380V	37	489025
G710098700000151	NJR2-45D	External bypass	3 phase 380V	45	489026
G710098700000152	NJR2-55D	External bypass	3 phase 380V	55	489027
G710098700000153	NJR2-75D	External bypass	3 phase 380V	75	489028
G710098700000154	NJR2-90D	External bypass	3 phase 380V	90	489029
G710098700000155	NJR2-110D	External bypass	3 phase 380V	110	489030
G710098700000156	NJR2-132D	External bypass	3 phase 380V	132	489031
G710098700000157	NJR2-160D	External bypass	3 phase 380V	160	489032
G710098700000158	NJR2-185D	External bypass	3 phase 380V	185	489033
G710098700000159	NJR2-220D	External bypass	3 phase 380V	220	489034
G710098700000160	NJR2-250D	External bypass	3 phase 380V	250	489035
G710098700000161	NJR2-280D	External bypass	3 phase 380V	280	489036
G710098700000162	NJR2-315D	External bypass	3 phase 380V	315	489037

SAP No	Model Description	Type	Power supply(V)	Motor power(kW)	Ordering code
G710098700000577	NJR2-355D	External bypass	3 phase 380V	355	489103
G710098700000578	NJR2-400D	External bypass	3 phase 380V	400	489104
G710098700000579	NJR2-450D	External bypass	3 phase 380V	450	489105
G710098700000580	NJR2-500D	External bypass	3 phase 380V	500	489106
G710099000000021	NJR2-7.5ZX	Online type	3 phase 380V	7.5	641008
G710099000000022	NJR2-11ZX	Online type	3 phase 380V	11	641000
G710099000000023	NJR2-15ZX	Online type	3 phase 380V	15	641001
G710099000000024	NJR2-18.5ZX	Online type	3 phase 380V	18.5	641002
G710099000000025	NJR2-22ZX	Online type	3 phase 380V	22	641003
G710099000000026	NJR2-30ZX	Online type	3 phase 380V	30	641004
G710099000000027	NJR2-37ZX	Online type	3 phase 380V	37	641005
G710099000000028	NJR2-45ZX	Online type	3 phase 380V	45	641006
G710099000000029	NJR2-55ZX	Online type	3 phase 380V	55	641007
G710099000000030	NJR2-75ZX	Online type	3 phase 380V	75	641009



NJR5-ZX
Series Soft Starter

1. Product overview

NJR5-ZX series soft starter is an online soft starter, its input power voltage (main circuit voltage) is AC220V, AC380V, AC460V, AC575V and AC690V, and the rated current specification is from 15A to 1000A. With the characteristics of strong load adaptability, stable and reliable operation, etc., it is widely used in motor transmission equipment in metallurgy, petroleum, fire protection, mining, water supply, municipal, food, cement, petrochemical and other fields. It is the most ideal replacement product for a traditional star-delta starter, auto-coupling starting.

NJR5-ZX series soft starter is an AC asynchronous motor soft starter integrating power electronics technology, microprocessor technology and modern control theory technology. By controlling the three-phase parallel thyristor connected in series between the power supply and the controlled motor, the functions of soft start and soft stop of the three-phase AC asynchronous motor can be realized. This product can effectively control the starting current and the starting torque can be widely used in loads such as fans, water pumps, compressors, ball mills, and crushers.

Standards: IEC60947-4-2

2. Type designation

N	JR	5	– □	/ □	□
Enterprise characteristic code	AC soft starter	Design SN	Rated current: (A)	Type	Main circuit voltage
			15A~900A	ZX : online soft starter	2: AC220V 3: AC380V 4: AC460V 5: AC575V 6 : AC690V

3. Environmental conditions

4.1 Operation temperature:-10℃~+40℃, +40℃~+50℃ should be derated for use, and the current will be derated by 2% for every 1℃ increase.

44.2 Storage temperature:-25℃~+70℃.

4.3 Relative humidity: no more than 95% (20℃~65℃).

4.4 Altitude:
If it exceeds 1000m, it should be used with corresponding derating.
If it is above 1000m and less than 3000m, the current should be derated by 0.5% for each 100m increase. If it is above 3000m, it needs to be customized.

4.5 Water and dust proof:
No condensation, no flammable, explosive gas, no conductive dust.

4.6 Shock and vibration:
Do not drop the soft starter to the ground or suffer sudden impact, and do not install the soft starter where it may vibrate frequently.

4.7 Ventilation requirements:
When the soft starter is installed in the cabinet, it is required to install an exhaust fan on the cabinet to make the cabinet ventilated smoothly.

4.8 Long-term storage:
When the soft starter is stored for a long time, it should be energized once within two years, and then run after 1 hour.



4. Technical parameters and performance

4.1 Power supply voltage:
1) NJR5- □ / ZX2: AC220V (range: AC198V~AC264V);
2) NJR5- □ /ZX3: AC380V (range: AC323V~AC437V) ;
3) NJR5- □ /ZX4: AC460V (range: AC414V~AC504V) ;
4) NJR5- □ /ZX5: AC575V (range: AC517V~AC633V);
5) NJR5- □ /ZX6: AC690V (range: AC621V~AC759V).

4.2 Main power frequency: 50HZ ± 1.5Hz, 60Hz ± 1.8Hz.

4.3 Applicable motor: common squirrel-cage three-phase asynchronous motor

4.4 Pollution level: Level 3

4.5 Rated insulation voltage:
1) NJR5- □ /ZX2 and NJR5- □ /ZX3: AC660V;
2) NJR5- □ /ZX4, NR5-D/ZX5, NJR5- □ /ZX6: AC1000V.

4.6 Rated impulse withstand voltage: 8kV.

4.7 Cooling method: forced air cooling.

4.8 Starting frequency: The starting frequency can be set in per hour, and it should be not to exceed 10 times per hour. For the heavier load, starting frequency should be set less.

4.9 Soft start time: (2~60) S.

4.10 Soft stop time: (2~60) S.

4.11 Starting modes: normal current mode, enhanced current mode, normal voltage mode, enhanced voltage mode, linear torque mode, square torque mode and frequency division mode, a total of 6 types.

4.12 Stop mode: free stop, brake stop and voltage ramp soft stop, a total of 3 types.

4.13 Initial voltage: (30~70)% Ue , where Ue represents the power supply voltage.

4.14 Jump time: (0.0~2.0) S.

4.15 Jump voltage: (50~100)% Ue , where Ue represents the power supply voltage.

4.16 Current limiting multiple: (50~500)% Ie, where Ie represents the rated current of the motor.

4.17 Torque limit level: (50.0~300.0)% Te , where Te represents the rated torque of the motor.

5. Main features

5.1 Performance aspects

- 6 starting modes: normal current mode, enhanced current mode, normal voltage mode, enhanced voltage mode, linear torque mode, square torque mode and frequency division mode, select different starting modes and starting parameter settings according to load characteristics, It can maximize the motor to achieve the best starting effect.
- Stable kick start: When switching from the kick process to the normal start mode, the current is seamlessly and smoothly connected without sudden changes, which prolongs the life of the transmission equipment.
- Equipped with torque control mode: real-time control of the output electromagnetic torque of the soft starter, so that the speed of the motor rises more smoothly during the soft start process.
- With light-load energy-saving function: when the energy-saving mode is selected, when the motor is detected to be in a light- load running state, the output voltage of the soft starter will be appropriately reduced, the motor magnetic flux will drop, the excitation current will drop, the iron loss will decrease, the stator current will decrease, and the stator copper loss will decrease. Decrease - the output power of the soft starter decreases, thereby realizing energy saving.
- Possess low-speed forward rotation and reverse rotation functions: By adjusting the trigger angle of the thyristor, the product has the switching function of low-speed forward rotation and low-speed reverse rotation, which meets some application functions, such as water pump cleaning.
- With brake stop function: by injecting direct current into the motor, it can realize fast stop and meet some occasions that require fast braking.
- Wide power supply frequency: In current mode, the power supply frequency ranges from 35Hz to 60Hz, which is more suitable for generator power supply occasions.

5.2 Functional aspects

- With secondary current limiting function: in some heavy load occasions, when the motor cannot start after the primary current limiting is adopted, the secondary current limiting can be selected (the secondary current limiting multiple is larger than the primary current limiting multiple) to start the motor, and finally the motor reaches run at full speed.
- With the function of the 2nd and 3rd motor parameters: when starting 2-3 motors in sequence, through the logic input control of the external control terminal signal IN1IN2, if the 2nd and 3rd motor parameters are selected, start and stop according to the 2nd and 3rd motor parameters And running overload protection, especially suitable for one-to-two, one-to-three applications and the application of two-speed motors.
- With a variety of protections: input phase loss, output phase loss, three-phase unbalance, operating overload, starting current limit overtime, main circuit overvoltage, main circuit undervoltage, load stall/ short circuit, excessive starting time, starting times Too many faults, \ etc., effectively protect the soft starter and the motor it carries.
- It has 4 kinds of analog current output: 4mA~20mA, 0mA, 20mA, 2mA~10mA and 0mA~10mA, which are better compatible with industrial automation equipment or instrumentation equipment.
- Built-in 485 communication interface: standard Modbus protocol is adopted to realize the communication between the soft starter and the upper computer.

5.3 User aspects

- Save user cost: no need to configure bypass contactor, save cabinet space, save cable, and reduce user overall cost.
- User-friendly debugging: When the load type is selected (see F2.00 or F3.00 or F4.00), the relevant starting parameters will be automatically configured, which is convenient for user debugging.
- User-friendly installation: The wiring method is three-in and three-out, which is convenient for cabinet formation and easy installation.
- Strong operability: Chinese LCD display, friendly interface, easy parameter setting and easy operation.

5.4 Stability aspects

The PCBA is comprehensively protected by thickened conformal paint, which greatly improves the stability of the product.

6. Selection table

Model	Rated Voltage	Rated Current	Rated Power
NJR5-15/ZX2	AC220V	15A	4kw
NJR5-22/ZX2	AC220V	22A	5.5kw
NJR5-30/ZX2	AC220V	29A	7.5kw
NJR5-37/ZX2	AC220V	36A	11kw
NJR5-44/ZX2	AC220V	42A	11kw
NJR5-60/ZX2	AC220V	57A	15kw
NJR5-74/ZX2	AC220V	70A	18.5kw
NJR5-90/ZX2	AC220V	84A	22kW
NJR5-110/ZX2	AC220V	103A	30kw
NJR5-150/ZX2	AC220V	140A	37kW
NJR5-180/ZX2	AC220V	167A	45kw
NJR5-220/ZX2	AC220V	207A	55kw
NJR5-264/ZX2	AC220V	248A	75kw
NJR5-320/ZX2	AC220V	300A	90kw
NJR5-370/ZX2	AC220V	349A	110kw
NJR5-440/ZX2	AC220V	404A	110kw
NJR5-500/ZX2	AC220V	459A	132kw
NJR5-560/ZX2	AC220V	514A	160kw
NJR5-630/ZX2	AC220V	579A	160kw
NJR5-710/ZX2	AC220V	634A	200kw
NJR5-800/ZX2	AC220V	720A	200kw
NJR5-900/ZX2	AC220V	810A	250kw
NJR5-1000/ZX2	AC220V	900A	250kw

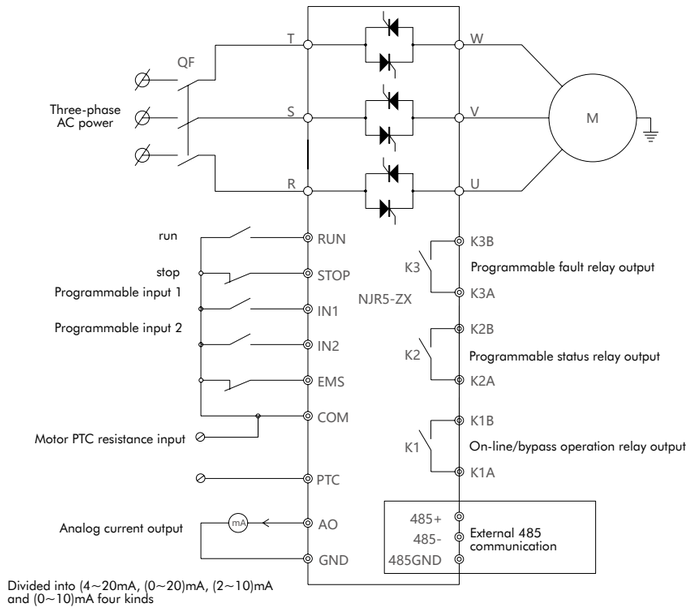
Model	Rated Voltage	Rated Current	Rated Power
NJR5-15/ZX3	AC380V	15A	7.5kw
NJR5-22/ZX3	AC380V	22A	11kw
NJR5-30/ZX3	AC380V	29A	15kw
NJR5-37/ZX3	AC380V	36A	18.5kw
NJR5-44/ZX3	AC380V	42A	22kw
NJR5-60/ZX3	AC380V	57A	30kw
NJR5-74/ZX3	AC380V	70A	37kw
NJR5-90/ZX3	AC380V	84A	45kw
NJR5-110/ZX3	AC380V	103A	55kw
NJR5-150/ZX3	AC380V	140A	75kw
NJR5-180/ZX3	AC380V	167A	90kw
NJR5-220/ZX3	AC380V	207A	110kw
NJR5-264/ZX3	AC380V	248A	132kw
NJR5-320/ZX3	AC380V	300A	160kw
NJR5-370/ZX3	AC380V	349A	185kw
NJR5-440/ZX3	AC380V	404A	220kw
NJR5-500/ZX3	AC380V	459A	250kw
NJR5-560/ZX3	AC380V	514A	280kw
NJR5-630/ZX3	AC380V	579A	315kw
NJR5-710/ZX3	AC380V	634A	355kw
NJR5-800/ZX3	AC380V	720A	400kw
NJR5-900/ZX3	AC380V	810A	450kw
NJR5-1000/ZX3	AC380V	900A	500kw

Model	Rated Voltage	Rated Current	Rated Power
NJR5-15/ZX4	AC460V	15A	9kw
NJR5-22/ZX4	AC460V	22A	15kw
NJR5-30/ZX4	AC460V	29A	18.5kw
NJR5-37/ZX4	AC460V	36A	22kw
NJR5-44/ZX4	AC460V	42A	30kw
NJR5-60/ZX4	AC460V	57A	37kw
NJR5-74/ZX4	AC460V	70A	45kw
NJR5-90/ZX4	AC460V	84A	55kw
NJR5-110/ZX4	AC460V	103A	75kw
NJR5-150/ZX4	AC460V	140A	90kw
NJR5-180/ZX4	AC460V	167A	110kw
NJR5-220/ZX4	AC460V	207A	132kw
NJR5-264/ZX4	AC460V	248A	150kw
NJR5-320/ZX4	AC460V	300A	185kw
NJR5-370/ZX4	AC460V	349A	220kw
NJR5-440/ZX4	AC460V	404A	250kw
NJR5-500/ZX4	AC460V	459A	280kw
NJR5-560/ZX4	AC460V	514A	315kw
NJR5-630/ZX4	AC460V	579A	355kw
NJR5-710/ZX4	AC460V	634A	400kw
NJR5-800/ZX4	AC460V	720A	450kw
NJR5-900/ZX4	AC460V	810A	560kw
NJR5-1000/ZX4	AC460V	900A	560kw

Model	Rated Voltage	Rated Current	Rated Power
NJR5-15/ZX5	AC575V	15A	11kW
NJR5-22/ZX5	AC575V	22A	18.5kw
NJR5-30/ZX5	AC575V	29A	22kw
NJR5-37/ZX5	AC575V	36A	30kw
NJR5-44/ZX5	AC575V	42A	30kw
NJR5-60/ZX5	AC575V	57A	45kw
NJR5-74/ZX5	AC575V	70A	55kw
NJR5-90/ZX5	AC575V	84A	75kw
NJR5-110/ZX5	AC575V	103A	90kw
NJR5-150/ZX5	AC575V	140A	110kw
NJR5-180/ZX5	AC575V	167A	132kw
NJR5-220/ZX5	AC575V	207A	160kw
NJR5-264/ZX5	AC575V	248A	185kw
NJR5-320/ZX5	AC575V	300A	250kw
NJR5-370/ZX5	AC575V	349A	280kw
NJR5-440/ZX5	AC575V	404A	315kw
NJR5-500/ZX5	AC575V	459A	355kw
NJR5-560/ZX5	AC575V	514A	400kw
NJR5-630/ZX5	AC575V	579A	450kw
NJR5-710/ZX5	AC575V	634A	500kw
NJR5-800/ZX5	AC575V	720A	560kw
NJR5-900/ZX5	AC575V	810A	630kw
NJR5-1000/ZX5	AC575V	900A	800kw

Model	Rated Voltage	Rated Current	Rated Power
NJR5-15/ZX6	AC690V	15A	11kw
NJR5-22/ZX6	AC690V	22A	18.5kw
NJR5-30/ZX6	AC690V	29A	22kw
NJR5-37/ZX6	AC690V	36A	30kw
NJR5-44/ZX6	AC690V	42A	37kw
NJR5-60/ZX6	AC690V	57A	55kw
NJR5-74/ZX6	AC690V	70A	75kw
NJR5-90/ZX6	AC690V	84A	90kw
NJR5-110/ZX6	AC690V	103A	110kw
NJR5-150/ZX6	AC690V	140A	132kw
NJR5-180/ZX6	AC690V	167A	160kw
NJR5-220/ZX6	AC690V	207A	200kw
NJR5-264/ZX6	AC690V	248A	250kw
NJR5-320/ZX6	AC690V	300A	315kw
NJR5-370/ZX6	AC690V	349A	355kw
NJR5-440/ZX6	AC690V	404A	400kw
NJR5-500/ZX6	AC690V	459A	400kw
NJR5-560/ZX6	AC690V	514A	500kw
NJR5-630/ZX6	AC690V	579A	560kw
NJR5-710/ZX6	AC690V	634A	630kw
NJR5-800/ZX6	AC690V	720A	710kw
NJR5-900/ZX6	AC690V	810A	800kw
NJR5-1000/ZX6	AC690V	900A	900kw

7. Basic Wiring Diagram



Note: When using the external control terminal to control start and stop, when the STOP terminal and the COM terminal are in the closed state, after the product is powered on, it must be detected that the RUN terminal and the COM terminal have changed from open to closed before it is considered to have received a valid signal. Start command, if the RUN terminal and COM terminal are always in the closed state when the power is turned on, the effective start command cannot be received.

8. Terminal definition

8.1 Definition of main circuit terminals

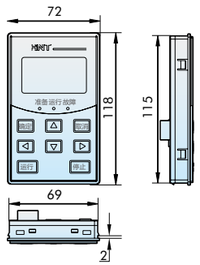
R / S / T	The input terminal of the three-phase AC power supply is also the input terminal of the soft starter
U/V/W	The output terminal of the soft starter is also the input terminal of the three-phase asynchronous motor

8.2 Definition of external control terminals

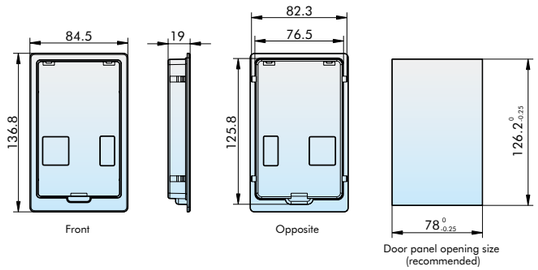
Terminal name	Terminal definition	Description
K1A, K1B	On-line/bypass relay K1 (normally open)	Contact capacity: 5A/250VAC. K1A, K1B terminals become closed when the soft starter switches to online operation or bypass operation state.
K2A.K2B	Programmable status relay K2 (normally open)	Contact capacity: 3A/250VAC. determined by function parameters F5.00 and F5.13 . When the tens digit of F5.00 is 0 , it means that the terminal K2A and K2B are in the active state when they are closed; when it is 1, it means that the terminal K2A and K2B are in the active state when they are disconnected. for example: If the tens place of F5.00 is set to 0, and F5.13 is set to 2 (online/bypass state), when the soft starter enters on-line/bypass operation state, K2A and K2B terminals are closed, while in other working states Both K2A and K2B terminals are disconnected; when the tens place of F5.00 is set to 1, F5.13 is set to 2 (online/bypass state), when the soft starter enters on-line/bypass operation state, K2A and K2B terminals Open, and in any other working state, K2A, K2B terminals are closed.
K3A.K3B	Programmable status relay K3 (normally open)	Contact capacity: 3A/250VAC This function is determined by function parameters F5.00 and F5.14. When the ones digit of F5.00 is 0, it means that the terminal K3A and K3B are in the active state; when it is 1, it means that the terminal K3A and K3B are in the active state. for example: If the unit digit of F5.00 is set to 0, and F5.14 is set to 0 (any fault or alarm), when any fault or alarm occurs to the soft starter, K3A and K3B terminals are closed, and when there is no fault or alarm, K3A , K3B terminal is disconnected; when F5.00 When the ones place is set to 1, F5.14 is set to 0 (any fault or alarm), when the soft starter has any fault or alarm, K3A and K3B terminals are disconnected, and when there is no fault or alarm, both K3A and K3B terminals are closed .
RUN	Start terminal RUN	Use COM as the reference point . When the external control start is allowed, when the RUN terminal and the STOP terminal are closed at the same time, and the closing time is greater than the setting value of F5.07 and F5.09, a start command will be issued; when the STOP terminal is disconnected, and the disconnection time is greater than F5. When the value of 10 is set, a shutdown command will be issued. Note: This terminal is a dry contact, and AC signals cannot be connected or introduced.
STOP	Stop terminal STOP	
IN1	Programmable input terminal IN1	Take COM as the reference point. The function is determined by parameter F5.01, and the factory default value is 1 (external fault) Note: This terminal is a dry contact, and AC signals cannot be connected or introduced.
IN2	Programmable input terminal IN2	Take COM as the reference point. The function is determined by parameter F5.02, and the factory default value is 4 (fault reset). Note: This terminal is a dry contact, and AC signals cannot be connected or introduced.
EMS	Momentary stop terminal EMS	Take COM as the reference point. When it is detected that the EMS terminal is disconnected from the COM terminal, it will report a "momentary power failure terminal open circuit" fault. Note: This terminal is a dry contact, and AC signals cannot be connected or introduced.
COM	External control common terminal COM	Signal input common for terminals RUN, STOP, IN1, IN2, EMS and PTC
PTC	Motor input terminal PTC	Used for thermal protection of motors. The total resistance of the motor temperature sensor circuit: 2000~750Ω at 25°C, when the total resistance is greater than 3.1kΩ, it will report "motor overheating failure", and when the total resistance is less than 1.5kΩ, the motor is overheated and the product returns to the ready state.
AO	Analog output terminal AO	Use GND as a reference point. The analog AO output type is determined by F6.00, including four output types of 4mA~20mA, 0mA~20mA , 2mA~10mA and 0mA~10mA. The factory default value is 4mA~20mA. The analog AO output function is determined by F6.01, including motor current Max=500%le, motor current Max=200%le, motor current Max=100%le, main circuit voltage V, soft starter temperature ° C , power factor and electromagnetic torque [100%], the factory default value is motor current Max=200%le.
GND	Internal chip working ground GND	The working ground of the main chip is also the ground of the analog output AO.
485+ 485- 485GND	485 communication terminal 485+ 485 communication terminal 485- 485 communication terminal 485GND	485+ is connected to the differential positive end of the host computer; 485-Connect to the differential negative terminal of the host computer; 485GND is connected to the ground of the differential power supply of the upper computer, so that the communication ground of the soft starter is directly connected with the communication ground of the upper computer, making the communication more reliable.

9. Outline and installation dimensions

9.1 Outline and installation dimensions of the operation panel



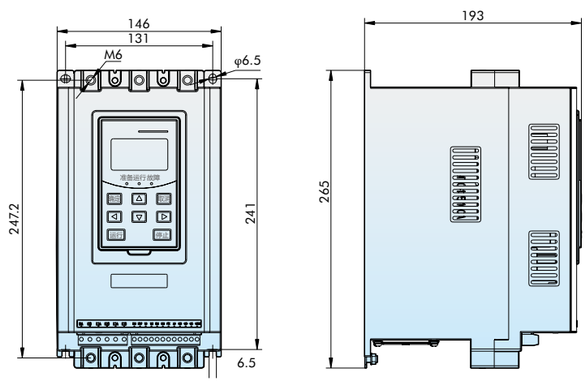
9.2 Outline and installation dimensions of the support plate of the operation panel



Note: NJR5-ZX products with a rated current greater than 90A are equipped with a support plate for the operation panel

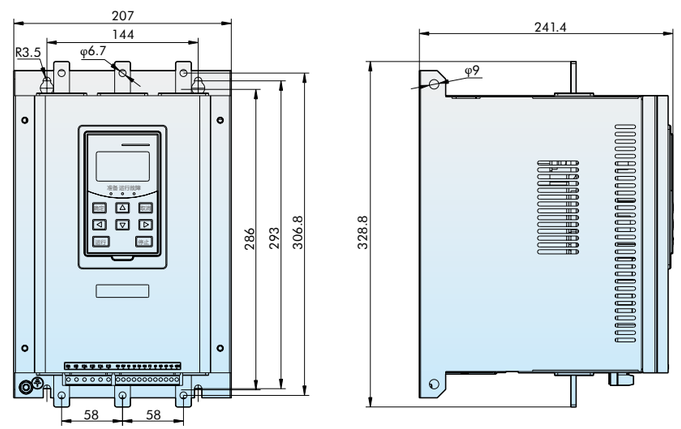
9.3 Outline and installation dimensions of the whole machine

9.3.1 NJR5-15/ZX2~NJR5-90/ZX2, NJR5-15/ZX3~NJR5-90/ZX3, NJR5-15/ZX4~NJR5-90/ZX4, NJR5-15/ZX5~NJR5-90/ZX5 And NJR5-15/ZX6~NJR5-90/ZX6 overall appearance and installation dimensions.



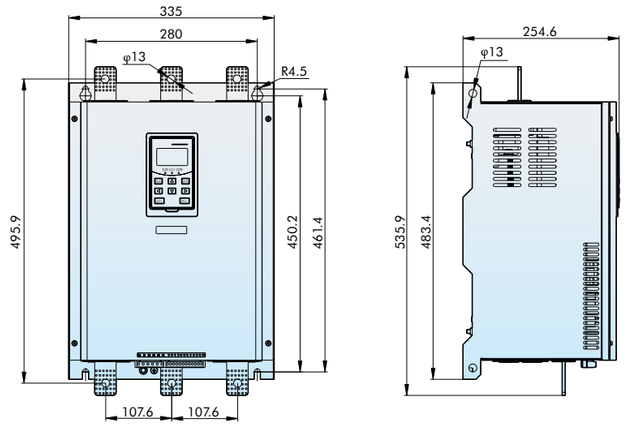
Model	Rated Voltage	Rated Current	Matched Motor Power	Net Weight(Kg)	Gross Weight(Kg)
NJR5-15/ZX2	AC220V	15A	4kw	6.2	6.7
NJR5-22/ZX2	AC220V	22A	5.5kw	6.2	6.7
NJR5-30/ZX2	AC220V	29A	7.5kw	6.2	6.7
NJR5-37/ZX2	AC220V	36A	11kw	6.2	6.7
NJR5-44/ZX2	AC220V	42A	11kw	6.2	6.7
NJR5-60/ZX2	AC220V	57A	15kw	6.2	6.7
NJR5-74/ZX2	AC220V	70A	18.5kw	6.2	6.7
NJR5-90/ZX2	AC220V	84A	22kW	6.2	6.7
NJR5-15/ZX3	AC380V	15A	7.5kw	6.2	6.7
NJR5-22/ZX3	AC380V	22A	11kw	6.2	6.7
NJR5-30/ZX3	AC380V	29A	15kw	6.2	6.7
NJR5-37/ZX3	AC380V	36A	18.5kw	6.2	6.7
NJR5-44/ZX3	AC380V	42A	22kw	6.2	6.7
NJR5-60/ZX3	AC380V	57A	30kw	6.2	6.7
NJR5-74/ZX3	AC380V	70A	37kw	6.2	6.7
NJR5-90/ZX3	AC380V	84A	45kw	6.2	6.7
NJR5-15/ZX4	AC460V	15A	9kw	6.2	6.7
NJR5-22/ZX4	AC460V	22A	15kw	6.2	6.7
NJR5-30/ZX4	AC460V	29A	18.5kw	6.2	6.7
NJR5-37/ZX4	AC460V	36A	22kW	6.2	6.7
NJR5-44/ZX4	AC460V	42A	30kw	6.2	6.7
NJR5-60/ZX4	AC460V	57A	37kw	6.2	6.7
NJR5-74/ZX4	AC460V	70A	45kw	6.2	6.7
NJR5-90/ZX4	AC460V	84A	55kw	6.2	6.7
NJR5-15/ZX5	AC575V	15A	11kW	6.2	6.7
NJR5-22/ZX5	AC575V	22A	18.5kw	6.2	6.7
NJR5-30/ZX5	AC575V	29A	22kw	6.2	6.7
NJR5-37/ZX5	AC575V	36A	30kw	6.2	6.7
NJR5-44/ZX5	AC575V	42A	30kw	6.2	6.7
NJR5-60/ZX5	AC575V	57A	45kw	6.2	6.7
NJR5-74/ZX5	AC575V	70A	55kw	6.2	6.7
NJR5-90/ZX5	AC575V	84A	75kw	6.2	6.7
NJR5-15/ZX6	AC690V	15A	11kw	6.2	6.7
NJR5-22/ZX6	AC690V	22A	18.5kw	6.2	6.7
NJR5-30/ZX6	AC690V	29A	22kw	6.2	6.7
NJR5-37/ZX6	AC690V	36A	30kw	6.2	6.7
NJR5-44/ZX6	AC690V	42A	37kw	6.2	6.7
NJR5-60/ZX6	AC690V	57A	55kw	6.2	6.7
NJR5-74/ZX6	AC690V	70A	75kw	6.2	6.7
NJR5-90/ZX6	AC690V	84A	90kw	6.2	6.7

9.3.2 NJR5-110/ZX2~NJR5-150/ZX2 , NJR5-110/ZX3~NJR5-150/ZX3 , NJR5-110/ZX4~NJR5-150/ZX4, NJR5-110/ZX5~NJR5-150/ZX5 And NJR5-110/ZX6~NJR5-150/ZX6 overall appearance and installation dimensions.



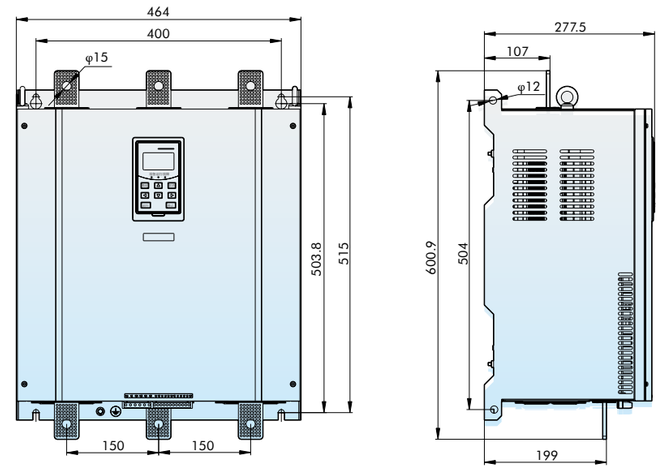
Model	Rated Voltage	Rated Current	Matched Motor Power	Net Weight(Kg)	Gross Weight(Kg)
NJR5-110/ZX2	AC220V	103A	30kw	10.2	10.7
NJR5-150/ZX2	AC220V	140A	37kW	10.2	10.7
NJR5-110/ZX3	AC380V	103A	55kw	10.2	10.7
NJR5-150/ZX3	AC380V	140A	75kw	10.2	10.7
NJR5-110/ZX4	AC460V	103A	75kw	10.2	10.7
NJR5-150/ZX4	AC460V	140A	90kw	10.2	10.7
NJR5-110/ZX5	AC575V	103A	90kw	10.2	10.7
NJR5-150/ZX5	AC575V	140A	110kw	10.2	10.7
NJR5-110/ZX6	AC690V	103A	110kw	10.2	10.7
NJR5-150/ZX6	AC690V	140A	132kw	10.2	10.7

9.3.3 NJR5-180/ZX2~NJR5-370/ZX2 , NJR5-180/ZX3~NJR5-370/ZX3 , NJR5-180/ZX4~NJR5-370/ZX4 , NJR5-180/ZX5~NJR5-370/ Outline and installation dimensions of ZX5 and NJR5-180/ZX6~NJR5-370/ZX6.



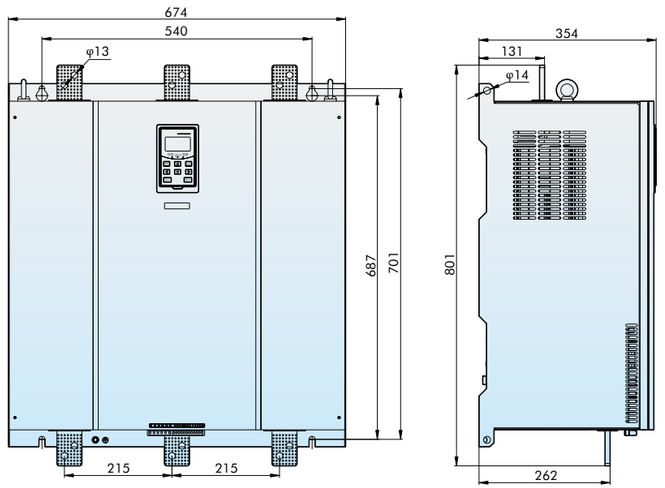
Model	Rated Voltage	Rated Current	Matched Motor Power	Net Weight(Kg)	Gross Weight(Kg)
NJR5-180/ZX2	AC220V	167A	45kw	24.5	26.5
NJR5-220/ZX2	AC220V	207A	55kw	24.5	26.5
NJR5-264/ZX2	AC220V	248A	75kw	24.5	26.5
NJR5-320/ZX2	AC220V	300A	90kw	24.5	26.5
NJR5-370/ZX2	AC220V	349A	110kw	24.5	26.5
NJR5-180/ZX3	AC380V	167A	90kw	24.5	26.5
NJR5-220/ZX3	AC380V	207A	110kw	24.5	26.5
NJR5-264/ZX3	AC380V	248A	132kw	24.5	26.5
NJR5-320/ZX3	AC380V	300A	160kw	24.5	26.5
NJR5-370/ZX3	AC380V	349A	185kw	24.5	26.5
NJR5-180/ZX4	AC460V	167A	110kw	24.5	26.5
NJR5-220/ZX4	AC460V	207A	132kw	24.5	26.5
NJR5-264/ZX4	AC460V	248A	150kw	24.5	26.5
NJR5-320/ZX4	AC460V	300A	185kw	24.5	26.5
NJR5-370/ZX4	AC460V	349A	220kw	24.5	26.5
NJR5-180/ZX5	AC575V	167A	132kw	24.5	26.5
NJR5-220/ZX5	AC575V	207A	160kw	24.5	26.5
NJR5-264/ZX5	AC575V	248A	185kw	24.5	26.5
NJR5-320/ZX5	AC575V	300A	250kw	24.5	26.5
NJR5-370/ZX5	AC575V	349A	280kw	24.5	26.5
NJR5-180/ZX6	AC690V	167A	160kw	24.5	26.5
NJR5-220/ZX6	AC690V	207A	200kw	24.5	26.5
NJR5-264/ZX6	AC690V	248A	250kw	24.5	26.5
NJR5-370/ZX6	AC690V	300A	315kw	24.5	26.5
NJR5-370/ZX6	AC690V	349A	355kw	24.5	26.5

9.3.4 NJR5-440/ZX2~NJR5-710/ZX2 , NJR5-440/ZX3~NJR5-710/ZX3 , NJR5-440/ZX4~NJR5-710/ZX4, NJR5-440/ZX5~NJR5-710 /ZX5 and NJR5-440/ZX6~NJR5-710/ZX6 overall appearance and installation dimensions.



Model	Rated Voltage	Rated Current	Matched Motor Power	Net Weight(Kg)	Gross Weight(Kg)
NJR5-440/ZX2	AC220V	404A	110kw	39.6	42.6
NJR5-500/ZX2	AC220V	459A	132kw	39.6	42.6
NJR5-560/ZX2	AC220V	514A	160kw	39.6	42.6
NJR5-630/ZX2	AC220V	579A	160kw	39.6	42.6
NJR5-710/ZX2	AC220V	634A	200kw	39.6	42.6
NJR5-440/ZX3	AC380V	404A	220kw	39.6	42.6
NJR5-500/ZX3	AC380V	459A	250kw	39.6	42.6
NJR5-560/ZX3	AC380V	514A	280kw	39.6	42.6
NJR5-630/ZX3	AC380V	579A	315kw	39.6	42.6
NJR5-710/ZX3	AC380V	634A	355kw	39.6	42.6
NJR5-440/ZX4	AC460V	404A	250kw	39.6	42.6
NJR5-500/ZX4	AC460V	459A	280kw	39.6	42.6
NJR5-560/ZX4	AC460V	514A	315kw	39.6	42.6
NJR5-630/ZX4	AC460V	579A	355kw	39.6	42.6
NJR5-710/ZX4	AC460V	634A	400kw	39.6	42.6
NJR5-440/ZX5	AC575V	404A	315kw	39.6	42.6
NJR5-500/ZX5	AC575V	459A	355kw	39.6	42.6
NJR5-560/ZX5	AC575V	514A	400kw	39.6	42.6
NJR5-630/ZX5	AC575V	579A	450kw	39.6	42.6
NJR5-710/ZX5	AC575V	634A	500kw	39.6	42.6
NJR5-440/ZX6	AC690V	404A	400kw	39.6	42.6
NJR5-500/ZX6	AC690V	459A	400kw	39.6	42.6
NJR5-560/ZX6	AC690V	514A	500kw	39.6	42.6
NJR5-630/ZX6	AC690V	579A	560kw	39.6	42.6
NJR5-710/ZX6	AC690V	634A	630kw	39.6	42.6

9.3.5 NJR5-800/ZX2~NJR5-1000/ZX2 , NJR5-800/ZX3~NJR5-1000/ZX3 , NJR5-800/ZX4~NJR5-1000/ZX4, NJR5-800/ZX5~NJR5-1000/ZX5 And NJR5-800/ZX6~NJR5-1000/ZX6 overall appearance and installation dimensions.



Model	Rated Voltage	Rated Current	Matched Motor Power	Net Weight(Kg)	Gross Weight(Kg)
NJR5-800/ZX2	AC220V	720A	200kw	80	84
NJR5-900/ZX2	AC220V	810A	250kw	80	84
NJR5-1000/ZX2	AC220V	900A	250kw	80	84
NJR5-800/ZX3	AC380V	720A	400kw	80	84
NJR5-900/ZX3	AC380V	810A	450kw	80	84
NJR5-1000/ZX3	AC380V	900A	500kw	80	84
NJR5-800/ZX4	AC460V	720A	450kw	80	84
NJR5-900/ZX4	AC460V	810A	560kw	80	84
NJR5-1000/ZX4	AC460V	900A	560kw	80	84
NJR5-800/ZX5	AC575V	720A	560kw	80	84
NJR5-900/ZX5	AC575V	810A	630kw	80	84
NJR5-1000/ZX5	AC575V	900A	800kw	80	84
NJR5-800/ZX6	AC690V	720A	710kw	80	84
NJR5-900/ZX6	AC690V	810A	800kw	80	84
NJR5-1000/ZX6	AC690V	900A	900kw	80	84

10. Ordering Information

10.1 When ordering, please select the required model and specification according to the description of the model and its meaning.
Example: The power level of the grid is AC380V, the power of the controlled motor is 45kW, and the rated current is 84A. It is necessary to use the soft starter together with the soft starter cabinet or power distribution cabinet.
The order model is: NJR5-90/ZX3
Example: The power level of the grid is AC690V, the power of the controlled motor is 90kw, and the rated current is 84A. It is necessary to use the soft starter together with the soft starter cabinet or power distribution cabinet.
The order model is: NJR5-90/ZX 6

10.2 When using a soft starter for a motor with more than four poles, it is recommended to use a larger size.

10.3 When using a soft starter for a two-pole motor, due to the large starting current, please set the parameters correctly according to the instruction manual before using it.

10.4 For occasions with heavy loads, it is recommended to use a soft starter with a larger gear.

SAP No	Model	Type	Power supply	Rated power	Ordering code
G711570400000116	NJR5-15/ZX2	Online type	3 phase 220V	4	438238
G711570400000117	NJR5-22/ZX2	Online type	3 phase 220V	5.5	438239
G711570400000118	NJR5-30/ZX2	Online type	3 phase 220V	7.5	438240
G711570400000119	NJR5-37/ZX2	Online type	3 phase 220V	11	438241
G711570400000120	NJR5-44/ZX2	Online type	3 phase 220V	11	438242
G711570400000121	NJR5-60/ZX2	Online type	3 phase 220V	15	438243
G711570400000122	NJR5-74/ZX2	Online type	3 phase 220V	18.5	438244
G711570400000123	NJR5-90/ZX2	Online type	3 phase 220V	22	438245
G711570400000124	NJR5-110/ZX2	Online type	3 phase 220V	30	438246
G711570400000125	NJR5-150/ZX2	Online type	3 phase 220V	37	438247
G711570400000126	NJR5-180/ZX2	Online type	3 phase 220V	45	438248
G711570400000127	NJR5-220/ZX2	Online type	3 phase 220V	55	438249
G711570400000128	NJR5-264/ZX2	Online type	3 phase 220V	75	438250
G711570400000129	NJR5-320/ZX2	Online type	3 phase 220V	90	438251
G711570400000130	NJR5-370/ZX2	Online type	3 phase 220V	110	438252
G711570400000131	NJR5-440/ZX2	Online type	3 phase 220V	110	438253
G711570400000132	NJR5-500/ZX2	Online type	3 phase 220V	136	438254
G711570400000133	NJR5-560/ZX2	Online type	3 phase 220V	160	438255
G711570400000134	NJR5-630/ZX2	Online type	3 phase 220V	160	438256
G711570400000135	NJR5-710/ZX2	Online type	3 phase 220V	200	438257
G711570400000136	NJR5-800/ZX2	Online type	3 phase 220V	200	438258
G711570400000137	NJR5-900/ZX2	Online type	3 phase 220V	250	438259
G711570400000138	NJR5-1000/ZX2	Online type	3 phase 220V	250	438260
G711570400000139	NJR5-15/ZX3	Online type	3 phase 380V	7.5	438261
G711570400000140	NJR5-22/ZX3	Online type	3 phase 380V	11	438262
G711570400000141	NJR5-30/ZX3	Online type	3 phase 380V	15	438263
G711570400000142	NJR5-37/ZX3	Online type	3 phase 380V	18.5	438264
G711570400000143	NJR5-44/ZX3	Online type	3 phase 380V	22	438265
G711570400000144	NJR5-60/ZX3	Online type	3 phase 380V	30	438266
G711570400000145	NJR5-74/ZX3	Online type	3 phase 380V	37	438267
G711570400000146	NJR5-90/ZX3	Online type	3 phase 380V	45	438268
G711570400000147	NJR5-110/ZX3	Online type	3 phase 380V	55	438269
G711570400000148	NJR5-150/ZX3	Online type	3 phase 380V	75	438270
G711570400000149	NJR5-180/ZX3	Online type	3 phase 380V	90	438271
G711570400000150	NJR5-220/ZX3	Online type	3 phase 380V	110	438272
G711570400000151	NJR5-264/ZX3	Online type	3 phase 380V	132	438273
G711570400000152	NJR5-320/ZX3	Online type	3 phase 380V	160	438274
G711570400000153	NJR5-370/ZX3	Online type	3 phase 380V	185	438275
G711570400000154	NJR5-440/ZX3	Online type	3 phase 380V	220	438276

SAP No	Model	Typel	Power supply	Rated power	Ordering code
G711570400000155	NJR5-500/ZX3	Online type	3 phase 380V	250	438277
G711570400000156	NJR5-560/ZX3	Online type	3 phase 380V	280	438278
G711570400000157	NJR5-630/ZX3	Online type	3 phase 380V	315	438279
G711570400000158	NJR5-710/ZX3	Online type	3 phase 380V	355	438280
G711570400000159	NJR5-800/ZX3	Online type	3 phase 380V	400	438281
G711570400000160	NJR5-900/ZX3	Online type	3 phase 380V	450	438282
G711570400000161	NJR5-1000/ZX3	Online type	3 phase 380V	500	438283
G711570400000162	NJR5-15/ZX4	Online type	3 phase 460V	9	438284
G711570400000163	NJR5-22/ZX4	Online type	3 phase 460V	15	438285
G711570400000164	NJR5-30/ZX4	Online type	3 phase 460V	18.5	438286
G711570400000165	NJR5-37/ZX4	Online type	3 phase 460V	22	438287
G711570400000166	NJR5-44/ZX4	Online type	3 phase 460V	30	438288
G711570400000167	NJR5-60/ZX4	Online type	3 phase 460V	37	438289
G711570400000168	NJR5-74/ZX4	Online type	3 phase 460V	45	438290
G711570400000169	NJR5-90/ZX4	Online type	3 phase 460V	55	438291
G711570400000170	NJR5-110/ZX4	Online type	3 phase 460V	75	438292
G711570400000171	NJR5-150/ZX4	Online type	3 phase 460V	90	438293
G711570400000172	NJR5-180/ZX4	Online type	3 phase 460V	110	438294
G711570400000173	NJR5-220/ZX4	Online type	3 phase 460V	132	438295
G711570400000174	NJR5-264/ZX4	Online type	3 phase 460V	150	438296
G711570400000175	NJR5-320/ZX4	Online type	3 phase 460V	185	438297
G711570400000176	NJR5-370/ZX4	Online type	3 phase 460V	220	438298
G711570400000177	NJR5-440/ZX4	Online type	3 phase 460V	250	438299
G711570400000178	NJR5-500/ZX4	Online type	3 phase 460V	280	438300
G711570400000179	NJR5-560/ZX4	Online type	3 phase 460V	315	438301
G711570400000180	NJR5-630/ZX4	Online type	3 phase 460V	355	438302
G711570400000181	NJR5-710/ZX4	Online type	3 phase 460V	400	438303
G711570400000182	NJR5-800/ZX4	Online type	3 phase 460V	450	438304
G711570400000183	NJR5-900/ZX4	Online type	3 phase 460V	560	438305
G711570400000184	NJR5-1000/ZX4	Online type	3 phase 460V	560	438306
G711570400000185	NJR5-15/ZX5	Online type	3 phase 575V	11	438307
G711570400000186	NJR5-22/ZX5	Online type	3 phase 575V	18.5	438308
G711570400000187	NJR5-30/ZX5	Online type	3 phase 575V	22	438309
G711570400000188	NJR5-37/ZX5	Online type	3 phase 575V	30	438310
G711570400000189	NJR5-44/ZX5	Online type	3 phase 575V	30	438311
G711570400000190	NJR5-60/ZX5	Online type	3 phase 575V	45	438312
G711570400000191	NJR5-74/ZX5	Online type	3 phase 575V	55	438313
G711570400000192	NJR5-90/ZX5	Online type	3 phase 575V	75	438314
G711570400000193	NJR5-110/ZX5	Online type	3 phase 575V	90	438315

SAP No	Model	Type	Power supply	Rated power	Ordering code
G711570400000194	NJR5-150/ZX5	Online type	3 phase 575V	110	438316
G711570400000195	NJR5-180/ZX5	Online type	3 phase 575V	132	438317
G711570400000196	NJR5-220/ZX5	Online type	3 phase 575V	160	438318
G711570400000197	NJR5-264/ZX5	Online type	3 phase 575V	185	438319
G711570400000198	NJR5-320/ZX5	Online type	3 phase 575V	250	438320
G711570400000199	NJR5-370/ZX5	Online type	3 phase 575V	280	438321
G711570400000200	NJR5-440/ZX5	Online type	3 phase 575V	315	438322
G711570400000201	NJR5-500/ZX5	Online type	3 phase 575V	355	438323
G711570400000202	NJR5-560/ZX5	Online type	3 phase 575V	400	438324
G711570400000203	NJR5-630/ZX5	Online type	3 phase 575V	450	438325
G711570400000204	NJR5-710/ZX5	Online type	3 phase 575V	500	438326
G711570400000205	NJR5-800/ZX5	Online type	3 phase 575V	560	438327
G711570400000206	NJR5-900/ZX5	Online type	3 phase 575V	630	438328
G711570400000207	NJR5-1000/ZX5	Online type	3 phase 575V	800	438329
G711570400000208	NJR5-15/ZX6	Online type	3 phase 690V	11	438330
G711570400000209	NJR5-22/ZX6	Online type	3 phase 690V	18.5	438331
G711570400000210	NJR5-30/ZX6	Online type	3 phase 690V	22	438332
G711570400000211	NJR5-37/ZX6	Online type	3 phase 690V	30	438333
G711570400000212	NJR5-44/ZX6	Online type	3 phase 690V	37	438334
G711570400000213	NJR5-60/ZX6	Online type	3 phase 690V	55	438335
G711570400000214	NJR5-74/ZX6	Online type	3 phase 690V	75	438336
G711570400000215	NJR5-90/ZX6	Online type	3 phase 690V	90	438337
G711570400000216	NJR5-110/ZX6	Online type	3 phase 690V	110	438338
G711570400000217	NJR5-150/ZX6	Online type	3 phase 690V	132	438339
G711570400000218	NJR5-180/ZX6	Online type	3 phase 690V	160	438340
G711570400000219	NJR5-220/ZX6	Online type	3 phase 690V	200	438341
G711570400000220	NJR5-264/ZX6	Online type	3 phase 690V	250	438342
G711570400000221	NJR5-320/ZX6	Online type	3 phase 690V	315	438343
G711570400000222	NJR5-370/ZX6	Online type	3 phase 690V	355	438344
G711570400000223	NJR5-440/ZX6	Online type	3 phase 690V	400	438345
G711570400000224	NJR5-500/ZX6	Online type	3 phase 690V	400	438346
G711570400000225	NJR5-560/ZX6	Online type	3 phase 690V	500	438347
G711570400000226	NJR5-630/ZX6	Online type	3 phase 690V	560	438348
G711570400000227	NJR5-710/ZX6	Online type	3 phase 690V	630	438349
G711570400000228	NJR5-800/ZX6	Online type	3 phase 690V	710	438350
G711570400000229	NJR5-900/ZX6	Online type	3 phase 690V	800	438351
G711570400000230	NJR5-1000/ZX6	Online type	3 phase 690V	900	438352



NJRP5 soft starter

1. Product overview

NJRP5 series soft starter is an external bypass soft starter. Its input power voltage (main circuit voltage) is AC200V~415V and AC200V~690V respectively. Three phase AC asynchronous motor soft starter designed based on power electronics technology, microprocessor technology and modern control theory technology has the characteristics of strong load adaptability, stable and reliable operation, and is widely used in metallurgy Petroleum, fire protection, mining, water supply, municipal administration, food, cement, petrochemical and other industries are the most ideal replacement products for the traditional star delta starting and auto coupling depressurization starting.

Standard: GB/T 14048.6, IEC 60947-4-2
Conformity certification: CCC, CE

2. Type designation

N	J	R	P	5	– □	D4
Company code	AC motors	Soft-starter	Process industry	Design sequence No.	Rated current(A)	Type D
					15A~1000A	D: External bypass Main loop voltage: 4: AC200V~AC415V 6: AC200V~AC690V

3. Environmental conditions

3.1 Normal use, transportation and storage conditions

3.1.1 The ambient temperature is between -10°C~+40°C, +40°C~+50°C should be derated, and the current should be derated by 2% for every 1°C increase;

3.1.2 The storage temperature is -25°C~+70°C;

3.1.3 The relative humidity should not exceed 95% (+20°C~+65°C);

3.1.4 No condensation, no flammable, explosive gas, no conductive dust, good ventilation;

3.1.5 If the altitude exceeds 1000m, it should be derated accordingly, and the current above 1000m and less than 3000m will be derated by 0.5% for every additional 100m, and special customization will be required for more than 3000m;

3.1.6 Vibration should be avoided as much as possible for soft starters;

3.1.7 If the ambient temperature of the site is lower than -10°C or has not been powered on for 18 months, it should be powered on and preheated for more than 30 minutes before operation.

4. Selection table

NJRP5-**/D4

Product Model Number	Rated voltage: Ue (main power supply)	Rated current In	Rated power / rated current of the adapted motor	
			Ue=AC220V	Ue=AC380V
NJRP5-15/D4	AC200V-415V	15A	4kW/15A	7.5kW/15A
NJRP5-22/D4	AC200V-415V	22A	5.5kW/22A	11kW/22A
NJRP5-30/D4	AC200V-415V	30A	7.5kW/29A	15kW/29A
NJRP5-37/D4	AC200V-415V	37A	11kW/36A	18.5kW/36A
NJRP5-44/D4	AC200V-415V	44A	11kW/42A	22kW/42A
NJRP5-60/D4	AC200V-415V	60A	15kW/57A	30kW/57A
NJRP5-74/D4	AC200V-415V	74A	18.5kW/70A	37kW/70A
NJRP5-90/D4	AC200V-415V	90A	22kW/84A	45kW/84A
NJRP5-110/D4	AC200V-415V	110A	30kW/103A	55kW/103A
NJRP5-150/D4	AC200V-415V	150A	37kW/140A	75kW/140A
NJRP5-180/D4	AC200V-415V	180A	45kW/167A	90kW/167A
NJRP5-220/D4	AC200V-415V	220A	55kW/207A	110kW/207A
NJRP5-264/D4	AC200V-415V	264A	75kW/248A	132kW/248A
NJRP5-320/D4	AC200V-415V	320A	90kW/300A	160kW/300A
NJRP5-370/D4	AC200V-415V	370A	110kW/349A	185kW/349A
NJRP5-440/D4	AC200V-415V	440A	110kW/404A	220kW/404A
NJRP5-500/D4	AC200V-415V	500A	132kW/459A	250kW/459A
NJRP5-560/D4	AC200V-415V	560A	160kW/514A	280kW/514A
NJRP5-630/D4	AC200V-415V	630A	160kW/579A	315kW/579A
NJRP5-710/D4	AC200V-415V	710A	200kW/634A	355kW/634A
NJRP5-800/D4	AC200V-415V	800A	200kW/720A	400kW/720A
NJRP5-900/D4	AC200V-415V	900A	250kW/810A	450kW/810A
NJRP5-1000/D4	AC200V-415V	1000A	250kW/900A	500kW/900A

NJRP5-**/D4

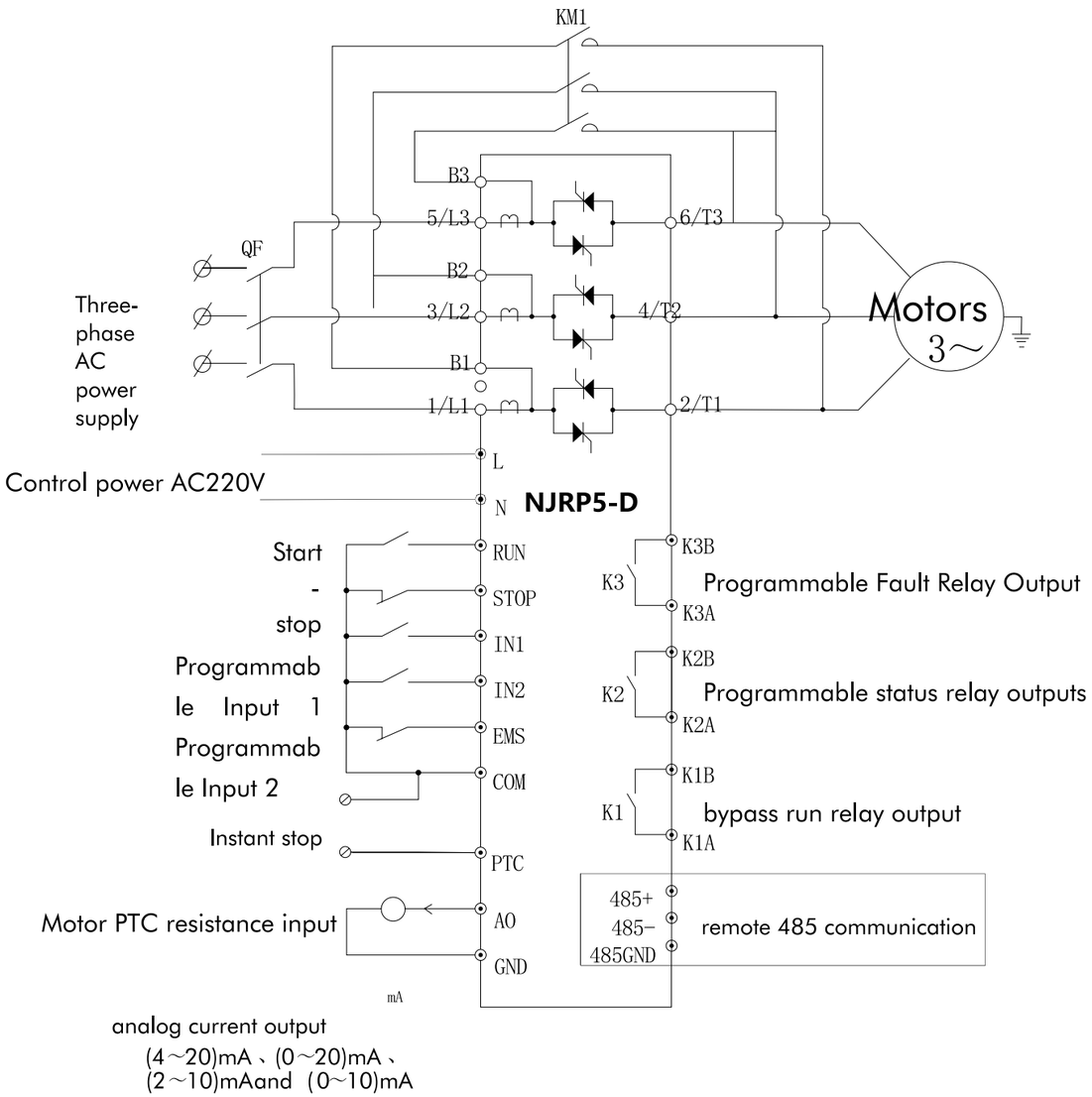
Product Model Number	Rated voltage: Ue (main power supply)	Rated current In	Applicable motor rated power (W)/rated current In (A)				
			Ue=AC220V	Ue=AC380V	Ue=AC460V	Ue=AC575V	Ue=AC690V
NJRP5- 15/D6	AC200-690	15	4kW/15A	7.5kW/15A	9kW/15A	11kW/15A	11kW/15A
NJRP5-22/D6	AC200-690	22	5.5kW/22A	11kW/22A	15kW/22A	18.5kW/22A	18.5kW/22A
NJRP5-30/D6	AC200-690	30	7.5kW/29A	15kW/29A	18.5kW/29A	22kW/29A	22kW/29A
NJRP5-37/D6	AC200-690	37	11kW/36A	18.5kW/36A	22kW/36A	30kW/36A	30kW/36A
NJRP5-44/D6	AC200-690	44	11kW/42A	22kW/42A	30kW/42A	30kW/42A	37kW/42A
NJRP5-60/D6	AC200-690	60	15kW/57A	30kW/57A	37kW/57A	45kW/57A	55kW/57A
NJRP5-74/D6	AC200-690	74	18.5kW/70A	37kW/70A	45kW/70A	55kW/70A	75kW/70A
NJRP5-90/D6	AC200-690	90	22kW/84A	45kW/84A	55kW/84A	75kW/84A	90kW/84A
NJRP5- 110/D6	AC200-690	110	30kW/103A	55kW/103A	75kW/103A	75kW/103A	110kW/103A
NJRP5- 150/D6	AC200-690	150	37kW/140A	75kW/140A	90kW/140A	110kW/140A	132kW/140A
NJRP5- 180/D6	AC200-690	180	45kW/167A	90kW/167A	110kW/167A	132kW/167A	160kW/167A
NJRP5-220/D6	AC200-690	220	55kW/207A	110kW/207A	132kW/207A	160kW/207A	200kW/207A
NJRP5-264/D6	AC200-690	264	75kW/248A	132kW/248A	150kW/248A	185kW/248A	250kW/248A
NJRP5-320/D6	AC200-690	320	90kW/300A	160kW/300A	185kW/300A	250kW/300A	315kW/300A
NJRP5-370/D6	AC200-690	370	110kW/349A	185kW/349A	220kW/349A	280kW/349A	355kW/349A
NJRP5-440/D6	AC200-690	440	110kW/404A	220kW/404A	250kW/404A	315kW/404A	400kW/404A
NJRP5-500/D6	AC200-690	500	132kW/459A	250kW/459A	280kW/459A	355kW/459A	400kW/459A
NJRP5-560/D6	AC200-690	560	160kW/514A	280kW/514A	315kW/514A	400kW/514A	500kW/514A
NJRP5-630/D6	AC200-690	630	160kW/579A	315kW/579A	355kW/579A	450kW/579A	560kW/579A
NJRP5-710/D6	AC200-690	710	200kW/634A	355kW/634A	400kW/634A	500kW/634A	630kW/634A
NJRP5-800/D6	AC200-690	800	200kW/720A	400kW/720A	450kW/720A	560kW/720A	710kW/720A
NJRP5-900/D6	AC200-690	900	250kW/810A	450kW/810A	560kW/810A	630kW/810A	800kW/810A
NJRP5- 1000/D6	AC200-690	1000	250kW/900A	500kW/900A	560kW/900A	800kW/900A	900kW/900A

5. Detailed technical parameters and performance

Serial number	Rated voltage: Ue (main power supply)	Rated current In
1	Main power supply voltage Ue (V)	NJRP5- /D4:AC200~415(-10%~+10%)NJRP5- / D6:AC200~690(-10%~+10%)
2	main power frequency	When the starting mode is current mode (more applicable to the closing of power plant): 35Hz~60Hz When the starting mode is non current mode: 50Hz ± 2Hz, 60Hz ± 2Hz
3	Control power voltage Us (V)	AC220(-10%~+10%)
4	Control power frequency (Hz)	50±2、60±2
5	Applicable motors	ordinary squirrel-cage three -phase asynchronous motors
6	Applicable motors	Level 3
7	Rated insulation voltage Ui (V)	NJRP5- /D4:AC660 NJRP5- /D6:AC1000
8	Rated impulse withstand voltage Uimp (kV)	8
9	Cooling method	Natural cooling
10	Starting frequency	The frequency per hour can be set, and it is recommended that it should not be more than 10 times per hour (the heavier the load, the lower the starting frequency should be, if it is necessary to start frequently, make sure that the temperature of the motor and the soft starter are at a lower temperature) ① .
11	seismic capacity	Vibration is less than 0.5g
12	EMC equipment level	Grade A (industrial grade)
13	Starting voltage	30%Ue~70%Ue
14	Starting limiting current	50%Ie~500%Ie
15	overload protection rating	Level 2, 10A, 10, 20 and 30
16	Relay Output	Three way relay output, online/bypass relay K1, programmable status relay K2, programmable fault relay K3.
17	digital inputs	Two programmable digital inputs: programmable input terminal IN1 and programmable input terminal IN2. Three digital inputs: start signal RUN, stop signal STOP and instant stop signal EMS.
18	analog output	Four output types are selected: 4mA~20mA, 0mA~20mA, 2mA~10mA and 0mA~10mA.

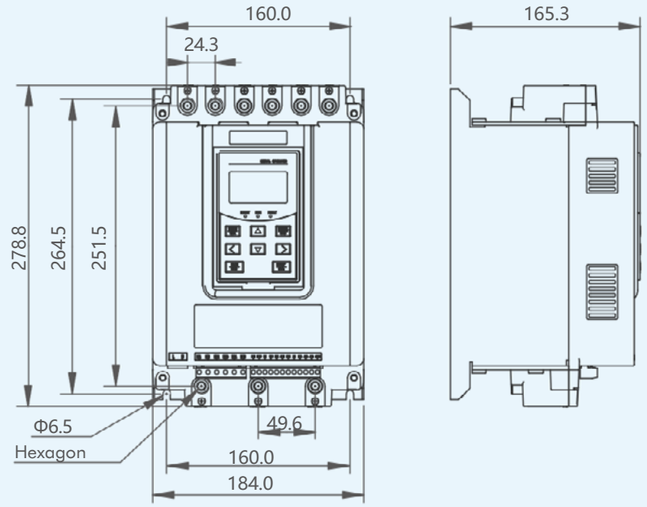
Note 1: When start current limit timeout protection or operation overload protection is reported, it will take 30 minutes before starting again.

6. Wiring diagram

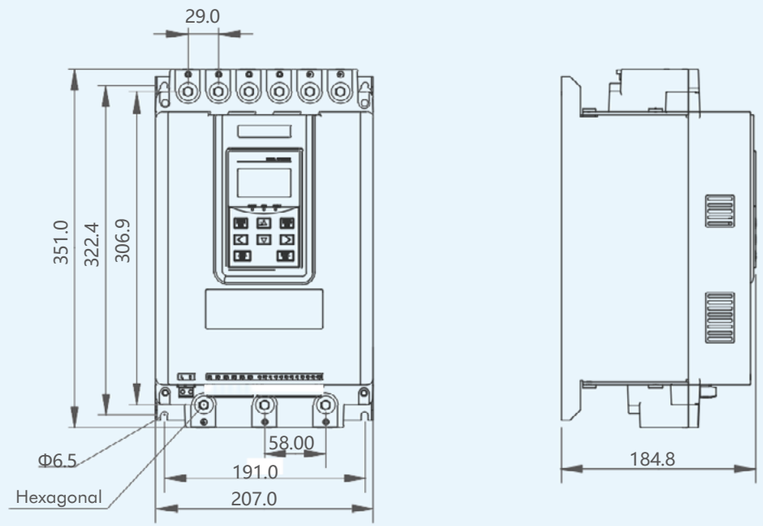


7. Shape and installation dimensions

NJRP5- 15~90

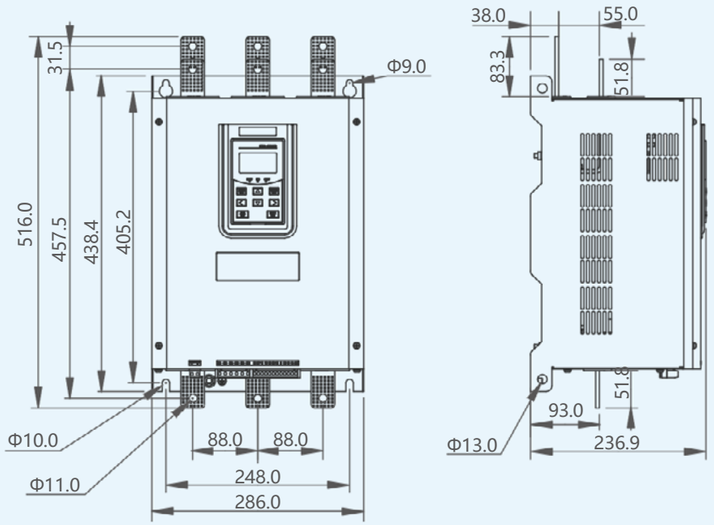


NJRP5- 110~150

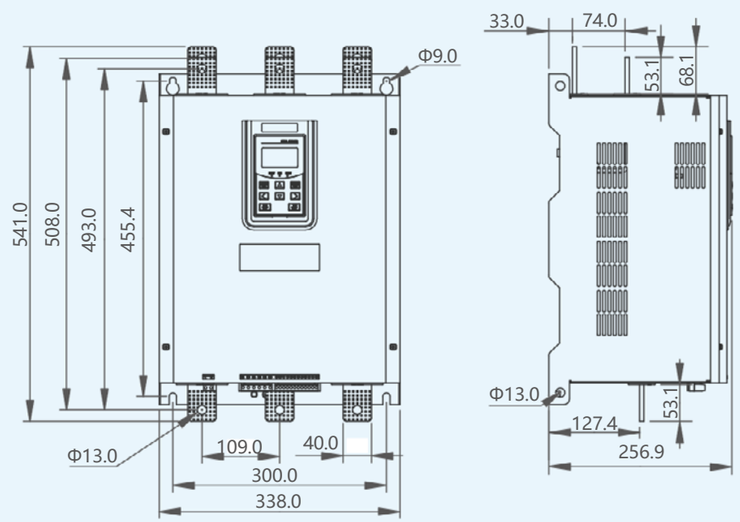


Unit: mm

NJRP5- 180~370

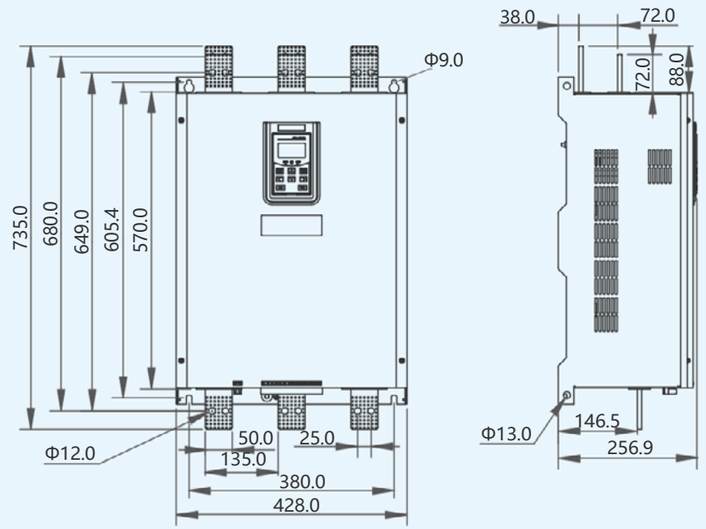


NJRP5-440~630



Unit: mm

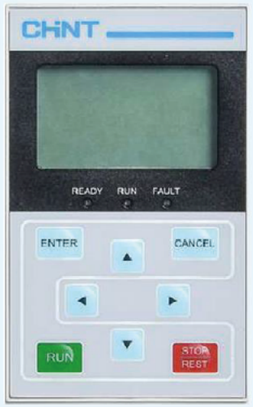
NJRP5-710~1000

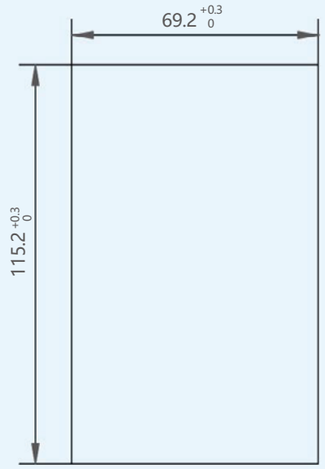


Unit: mm

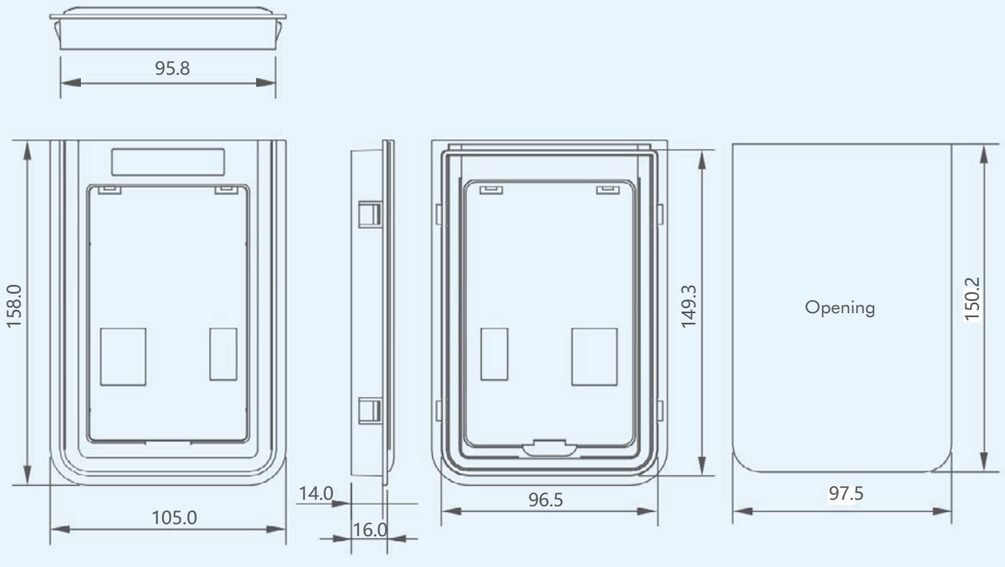
Note: NJRP5- * */D4 and NJRP5- * */D6 have the same current specification and size, for example, NJRP5-630/D4 and NJRP5-

keyboard





External keypad snap



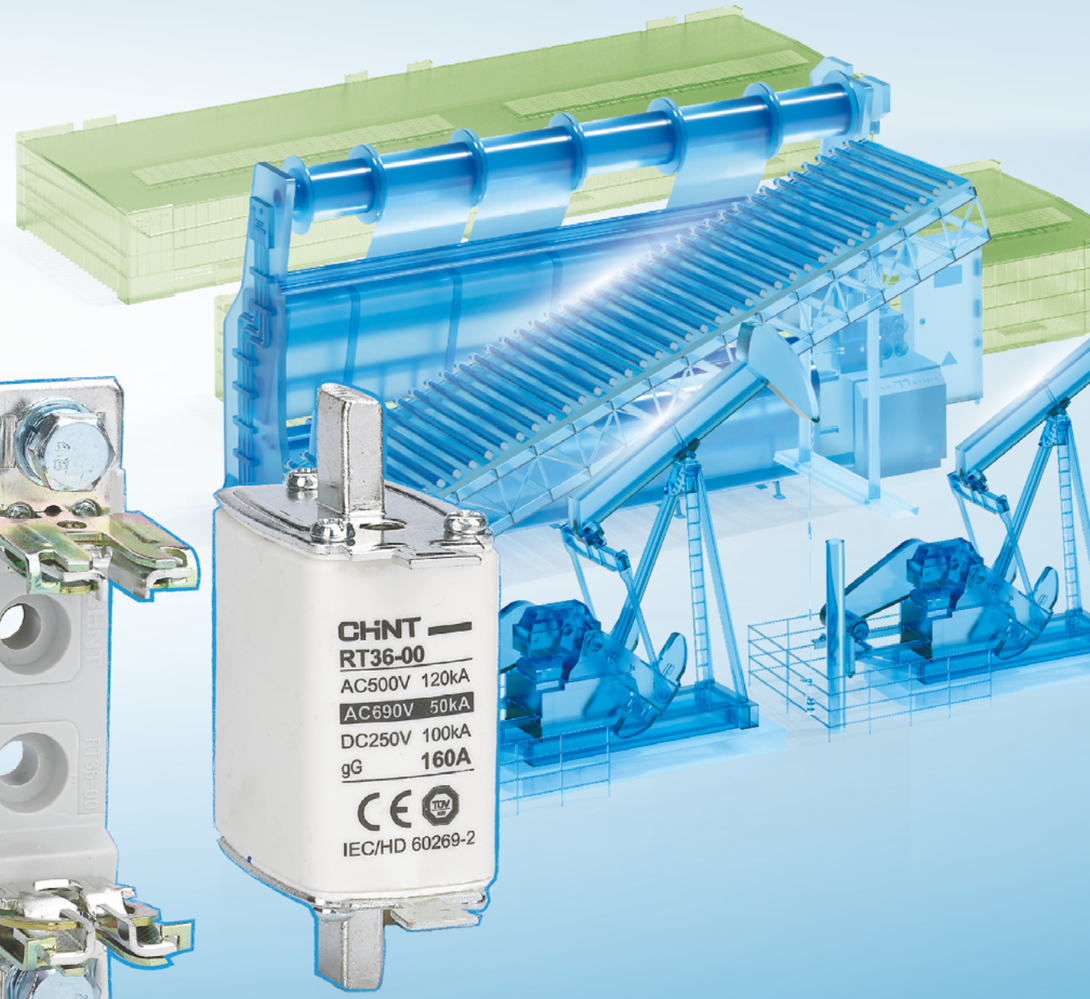
Unit: mm

SAP No	Model Description	Type	Power supply(V)	Rated current In(A)	Ordering code
G711570500000047	NJRP5-15/D4	External bypass	3 phase 200-415V	15	525295
G711570500000048	NJRP5-22/D4	External bypass	3 phase 200-415V	22	525296
G711570500000049	NJRP5-30/D4	External bypass	3 phase 200-415V	30	525297
G711570500000050	NJRP5-37/D4	External bypass	3 phase 200-415V	37	525298
G711570500000051	NJRP5-44/D4	External bypass	3 phase 200-415V	44	525299
G711570500000052	NJRP5-60/D4	External bypass	3 phase 200-415V	60	525300
G711570500000053	NJRP5-74/D4	External bypass	3 phase 200-415V	74	525301
G711570500000054	NJRP5-90/D4	External bypass	3 phase 200-415V	90	525302
G711570500000055	NJRP5-110/D4	External bypass	3 phase 200-415V	110	525303
G711570500000056	NJRP5-150/D4	External bypass	3 phase 200-415V	150	525304
G711570500000057	NJRP5-180/D4	External bypass	3 phase 200-415V	180	525305
G711570500000058	NJRP5-220/D4	External bypass	3 phase 200-415V	220	525306
G711570500000059	NJRP5-264/D4	External bypass	3 phase 200-415V	264	525307
G711570500000060	NJRP5-320/D4	External bypass	3 phase 200-415V	320	525308
G711570500000061	NJRP5-370/D4	External bypass	3 phase 200-415V	370	525309
G711570500000062	NJRP5-440/D4	External bypass	3 phase 200-415V	440	525310
G711570500000063	NJRP5-500/D4	External bypass	3 phase 200-415V	500	525311
G711570500000064	NJRP5-560/D4	External bypass	3 phase 200-415V	560	525312
G711570500000065	NJRP5-630/D4	External bypass	3 phase 200-415V	630	525313
G711570500000066	NJRP5-710/D4	External bypass	3 phase 200-415V	710	525314
G711570500000067	NJRP5-800/D4	External bypass	3 phase 200-415V	800	525315
G711570500000068	NJRP5-900/D4	External bypass	3 phase 200-415V	900	525316
G711570500000069	NJRP5-1000/D4	External bypass	3 phase 200-415V	1000	525317
G711570500000070	NJRP5-15/D6	External bypass	3 phase 200-690V	15	525318
G711570500000071	NJRP5-22/D6	External bypass	3 phase 200-690V	22	525319
G711570500000072	NJRP5-30/D6	External bypass	3 phase 200-690V	30	525320
G711570500000073	NJRP5-37/D6	External bypass	3 phase 200-690V	37	525321
G711570500000074	NJRP5-44/D6	External bypass	3 phase 200-690V	44	525322
G711570500000075	NJRP5-60/D6	External bypass	3 phase 200-690V	60	525323
G711570500000076	NJRP5-74/D6	External bypass	3 phase 200-690V	74	525324
G711570500000077	NJRP5-90/D6	External bypass	3 phase 200-690V	90	525325
G711570500000078	NJRP5-110/D6	External bypass	3 phase 200-690V	110	525326
G711570500000079	NJRP5-150/D6	External bypass	3 phase 200-690V	150	525327
G711570500000080	NJRP5-180/D6	External bypass	3 phase 200-690V	180	525328
G711570500000081	NJRP5-220/D6	External bypass	3 phase 200-690V	220	525329
G711570500000082	NJRP5-264/D6	External bypass	3 phase 200-690V	264	525330
G711570500000083	NJRP5-320/D6	External bypass	3 phase 200-690V	320	525331
G711570500000084	NJRP5-370/D6	External bypass	3 phase 200-690V	370	525332
G711570500000085	NJRP5-440/D6	External bypass	3 phase 200-690V	440	525333
G711570500000086	NJRP5-500/D6	External bypass	3 phase 200-690V	500	525334
G711570500000087	NJRP5-560/D6	External bypass	3 phase 200-690V	560	525335
G711570500000088	NJRP5-630/D6	External bypass	3 phase 200-690V	630	525336
G711570500000089	NJRP5-710/D6	External bypass	3 phase 200-690V	710	525337
G711570500000090	NJRP5-800/D6	External bypass	3 phase 200-690V	800	525338
G711570500000091	NJRP5-900/D6	External bypass	3 phase 200-690V	900	525339
G711570500000092	NJRP5-1000/D6	External bypass	3 phase 200-690V	1000	525340

B.5 Machines Tool Apparatus

Datasheet P743~P790





1. Datasheet



NRZ28-20
Solar Photo voltaic System Protection Fuse

1.General

NRZ28-20 PV system protection fuse is applicable for short circuit protection of distribution lines with rated voltage not exceeding DC1000V, rated current not exceeding 20A, and rated short-circuit capacity not exceeding 20kA.NRZ28-20 series is a compact, high-capacity, low-power fuse series specifically developed by Chint Electric for photovoltaic power system, mainly for the solar photovoltaic system protection fuses, this series of fuse adopts high-quality materials and passes stringent tests by well-known manufacturers.
The main material of base is DMC-2; that of conductive socket is H62. Breaking range and utilization category: NRZ28-20 fuse link is "gPV" type, "gPV" represents the fuse link used for PV system with a full range of DC breaking capacity.This product complies with GB / T 13539.6, IEC60269-6,
and has obtained CQC, TUV, CE and other domestic and international certification.

2.Type designation

2.1 Type designation of fuse base

N RZ 28 - □□

- Rated current of the fuse link
- Rated current of the fuse
- Design sequence No.
- DC fuse
- Company code

3. Normal operating conditions and installation conditions

3.1 Ambient temperature: The ambient temperature does not exceed 40℃ , of which average value measured over 24h does not exceed 35℃ , and average value measured over one year is lower than this value; the lowest value of the ambient air temperature is -5℃ .
3.2 Atmospheric conditions: The air is clean, with relative humidity not exceeding 50% when the maximum temperature is 40°C.Higher relative humidity is possible when the temperature is lower. For example, at 20°C, the relative humidity can attain 90%. Measures are taken against condensation on the product body due to temperature variation.

3.3 Class of pollution: Class III

3.4 Installation category: Class III

3.5 Installation conditions: The fuse should be installed in places free of significant shaking and shock vibration.

3.6 Altitude: See the table below for correction coefficients of1 operating current at different altitudes:

Altitude	≤2000m	2000m~3000m	≥3000m	Example
Current correction factor	1	0.9	0.8	Product with rated current of 10A at altitude of 2500m The rated current after derating is 0.9X10=9A

3.7 If the operating conditions of fuse are different from those in the above table, please consult with the manufacturer.

4. Technical data

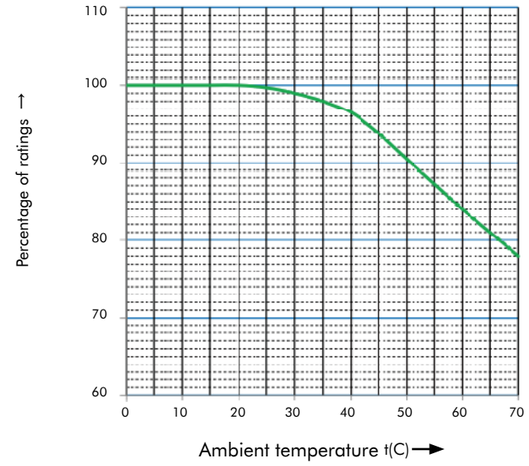
4.1 The main technical parameters (see Table 1)

Table 1

Model	Rated voltage (DC)V	Breaking capacity (kA)	Rated dissipation power (W)	Temperature rise (K)	Rated current (A)
NRZ28-20	1000	20、35(15A)	≤3	≤70	2,4,6,8,10,12,15,16,20

4.2 Derating effect
At the 20 ℃ ambient temperature, we recommend the actual operating current of fuse link shall not exceed the rated current value. take the environment and working conditions into account when selecting fuse link, such as extent of enclosure, air flow, size of connection cable (length, cross-section) and changes in the instantaneous peak and other aspects; current carrying capacity test of fuse link is conducted at 20 ℃ ambient temperature, and is affected by changes in ambient temperature during actual use. The higher the ambient temperature is, the higher the operating temperature of the fuse link is, and the shorter its life expectancy is. Instead, the life of the fuse link will be extended if running at lower temperatures.

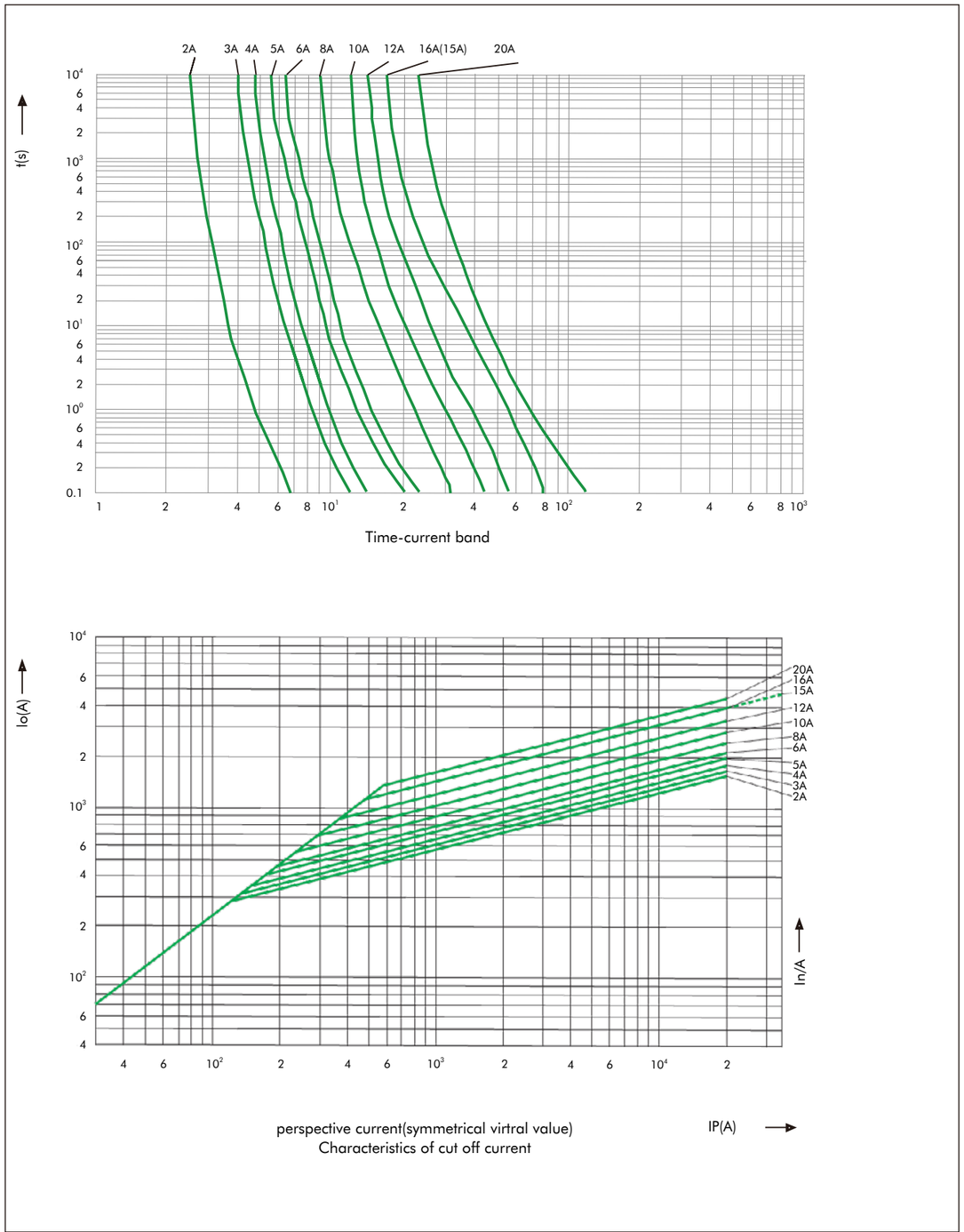
The diagram below shows a typical curve of the impact of ambient temperature on the current carrying capacity



For example: When the ambient temperature of use is 20 ℃ , select rated current of "gPV" type fuse link In= 16A, if these fuse links are used in 60 ℃ high temperature environment, must additionally reduce the operating current, the curve A on the left indicates percentage of ratings at 70 ℃ is 0.78, to ensure that the fuse link does not malfunction, should re-select the rated current of the fuse link: In = 16A/0.78 = 20.512A; according to standard current rating of fuse link select In = 20A.

Normal working condition: -5 ℃ ~ 40 ℃ .The fuse works under normal conditions and does not require additional corrections.Allowable working condition: -35℃ ~ 70℃ .When the fuse works below -5℃ , the pre-arc time of the fuse's low multiplication overload-overcurrent is slightly extended, and the rated current is slightly increased. Generally, there is no need to increase the rated current of the fuse.When the fuse works above 40℃ , the rated current needs additional correction.

4.3 Fuse characteristic curve



5. Overall and mounting dimensions

Diagram 1 Overall and mounting dimensions of NRZ28-20 base

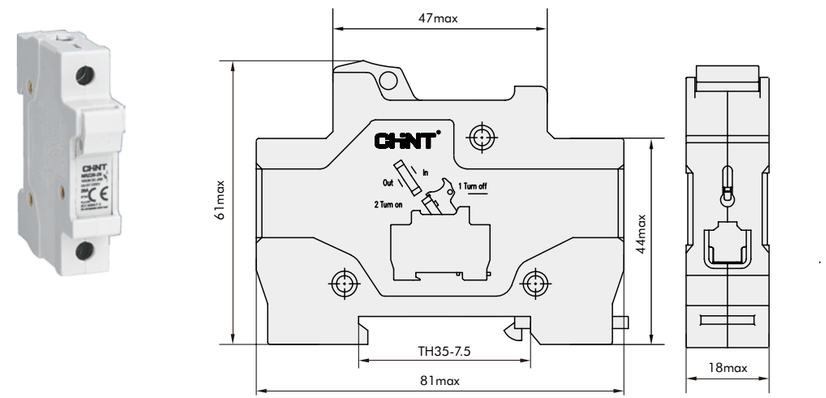
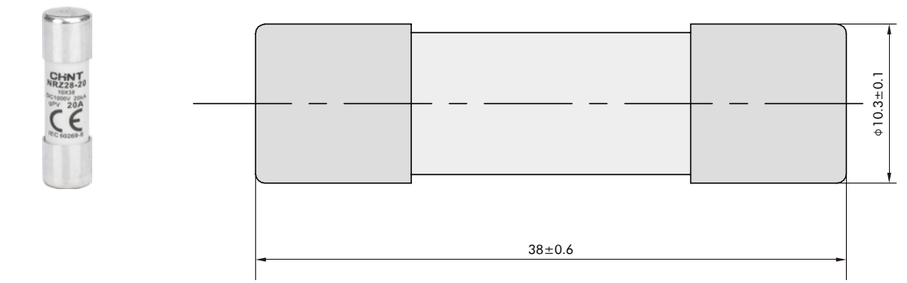


Diagram 2 Overall and dimensions of NRZ28-20 fuse link



6. Ordering information

6.1 The following must be specified when ordering:

6.1.1 The product model, rated current and quantity for the fuse link.

6.1.2 The model specifications for the base, indicating the base, poles and the number of orders.

6.2 Order example Order 100 pieces of NRZ28-20/10A, representing ordering 100 pieces of fuselink of model NRZ28-20 and rated current 10A. 100 pieces of NRZ28-20 (base), representing ordering 100 pieces of fuse base of model NRZ28-20.

	Setting	Motor	Model Description	Code	Price	QTY
 Link	1P	2A	NRZ28-20 2A	676024		
	1P	4A	NRZ28-20 4A	676028		
	1P	6A	NRZ28-20 6A	676029		
	1P	8A	NRZ28-20 8A	676030		
	1P	10A	NRZ28-20 10A	676022		
	1P	12A	NRZ28-20 12A	676031		
	1P	15A	NRZ28-20 15A	676025		
	1P	16A	NRZ28-20 16A	676032		
	1P	20A	NRZ28-20 20A	676033		

	Setting	Motor	Model Description	Code	Price	QTY
 Base	1P	20A	NRZ28-20 1P base	676026		
	1P	20A	NRZ28-20X 1P base	676023		



CRT36-00 DC Fuse Protector

1.General

CRT36-00 DC fuse protector is applicable to DC circuit with rated voltage not more than DC80V, rated current not more than 600A and rated short-circuit capacity not more than 25kA for short-circuit protection.Its base materials are DMC resin and T3 red copper; its main material is high-frequency electric porcelain and T3 red copper.CRT36-00 series is a fuse protector series with miniaturization, large capacity, lowpower consumption and high limit flow capacity, specially designed by Chint Group for communication industry power supply cabinet, power distribution cabinet and other power distribution system in communication industry. Such series fuse protector has passed through serious test of well-known manufactures in communication industry.Breaking scope and use categories: gS. It conforms to GB/T 13539.4, IEC 60269-4 and EU RoHS environmental protection requirements and has obtained CCC, TUV and other domestic and international certification

2.Type designation

C R T 36 - 00

- 00 — Size
- 36 — Design sequence No.
- T — Knife contact
- R — Fuse protector
- C — For communication

3. Normal operating conditions and installation conditions

3.1 Ambient temperature: The ambient temperature does not exceed 40℃ , of which average value measured over 24h does not exceed 35℃ , and average value measured over one year is lower than this value; the lowest value of the ambient air temperature is -5℃ .

3.2 Atmospheric conditions: The air is clean, with relative humidity not exceeding 50% when the maximum emperature is 40°C. Higher relative humidity is possible when the temperature is lower. For example, at 20°C, the relative humidity can attain 90%. Measures are taken against condensation on the product body due to temperature variation.

3.3 Class of pollution: Class III

3.4 Installation category: Class III

3.5 Installation conditions: The fuse should be installed in places free of significant shaking and shock vibration.

3.6 Altitude: See the table below for correction coefficients of operating current at different altitudes:

Altitude	≤2000m	2000m~3000m	≤3000m	Example
Current cormection factor	1	0.9	0.8	Product with rated current of 10A at altitude of 2500m The rated current after derating is 0.9X10=9A

3.7 If the operating conditions of fuse are different from those in the above table, please consult with the manufacturer.

4. Technical data

4.1 Main technical parameters (See Table 1)

Table 1

Type specification	Rated voltage(V)	Breaking capacity(kA)	Rated dissipation power(W)	Temperature rising(K)	Rated current(A)
CRT36-00	80	25	≤30	≤70	2,4,6,10,16,20,25,32,35,40,50,63,80, 100,125,160,200,224,250,300,315,355, 400,425,500,600

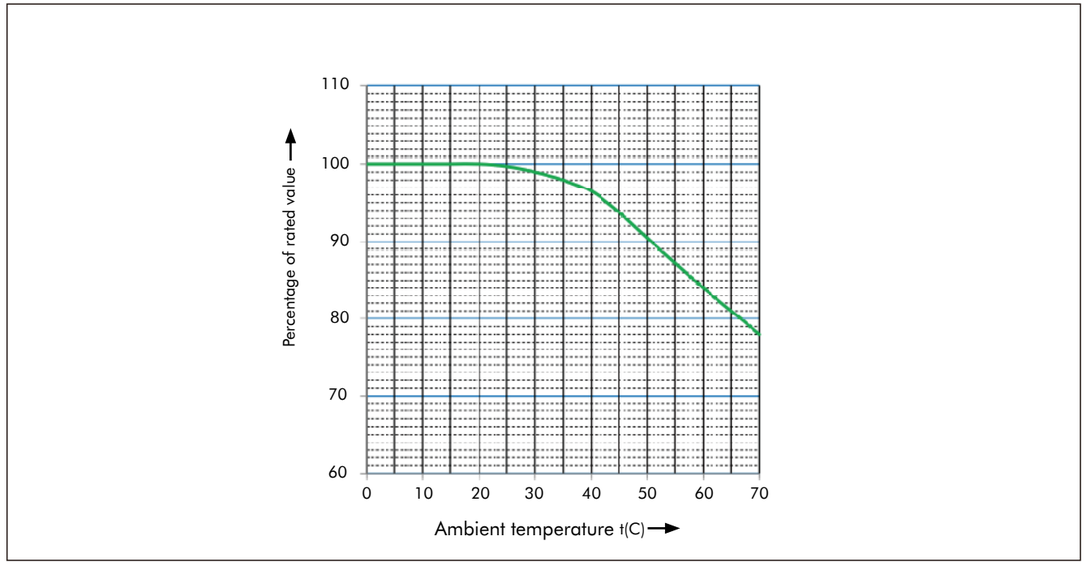
4.2 Size code of pedestal and electric mechanical parameters (see Table 2)

Table 2

Specifications andmodels of pedestal	CRT36-00 160A	CRT36-00250A	CRT36-00 600A
Adapted fuse-link tube No.	00	00	00
Rated current(A)	2A~160A	200A~250A	300A~600A
Rated voltage(V)	DC80V	DC80V	DC80V
Connection thread size	M8	M8/M10	M10/M12
Tightening torque of connection bolt(N.m)	11	11/21	21/38
Recommended copper conductor cross-section	70	120	400

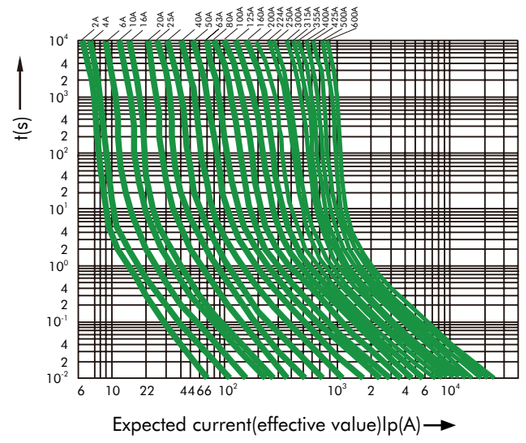
4.3 Use at lower capacityAt 20 ℃ Ambient temperature, the recommended actual working current of fuse link shall not be more than rated current. Changes in environment and working conditions, such as sealing degree, air flow, connecting cable size (length, cross section), instantaneous peak value shall be takenintoaccount when selecting fuse link. Test for current bearing capacity of fuse link is done at 20 ℃ Ambient temperatureand fuse link will be affected by changes in Ambient temperature in actual use. The higher Ambient temperature, the higher working temperature and shorter service life of fuse link will be. To the contrary, running at lower temperature will extend the service life of fuse link. Normal working condition:-5 ℃ ~ 40 ℃ .The fuse works under normal conditions and does not require additional corrections.Allowable working condition: -35℃~ 70℃ .When the fuse works below -5℃ , the pre-arc time of the fuse's low multiplication overload-overcurrent is slightly extended, and the rated current is slightly increased. Generally, there is no need to increase the rated current of the fuse.When the fuse works above 40℃ , the rated current needs additional correction.The following figure is the typical curve of impact of Ambient temperature on current bearing capacity.

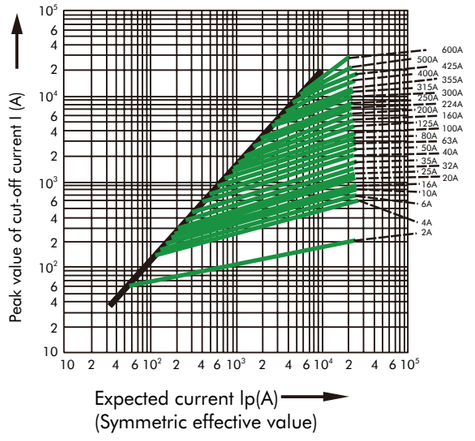
Ambient temperature-bearing capacity curve



For example: When the Ambient temperature at a service site is 20℃ and select a (gS) fuse link with rated current of In=63A, the above fuse link shall be used at lower capacity under the high temperature of 70℃ . Curve A in the figure at left side shows that the percentage of running rated value is 0.78 when the temperature is 70℃ . In order to prevent fuse link from occurring misoperation, re-selection of rated current (In=63A/0.78 =80.77A) of such fuse link is required: select In=80A according to standard current class of fuse link.

4.4 Characteristic curve





5.Overall and mounting dimensions

Fig. 1: CRT36-00 160A Pedestal appearance and installation dimensions

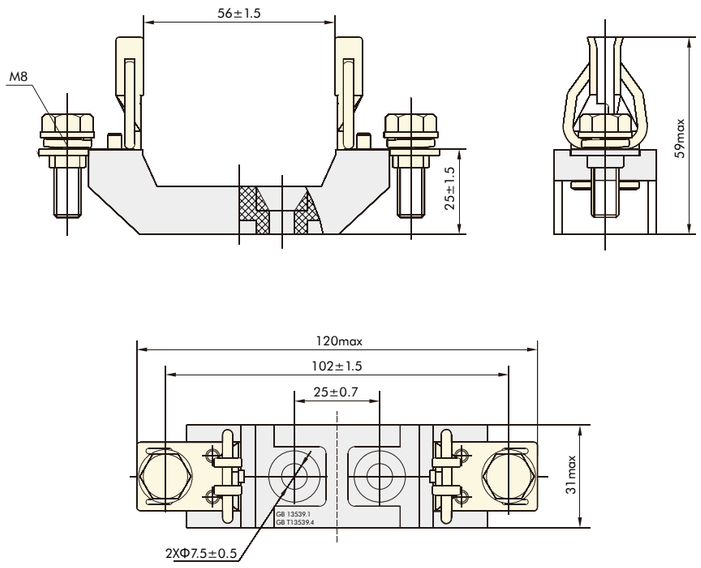


Fig. 2: CRT36-00 250A Pedestal appearance and installation dimensions

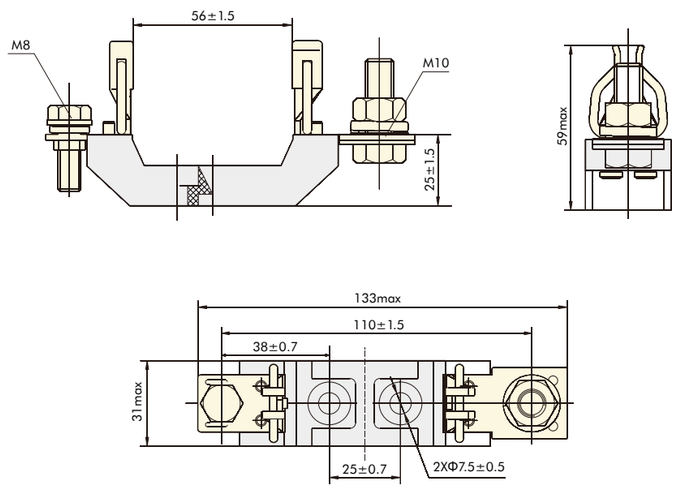


Fig. 3: CRT36-00 600 Pedestal appearance and installation dimensions

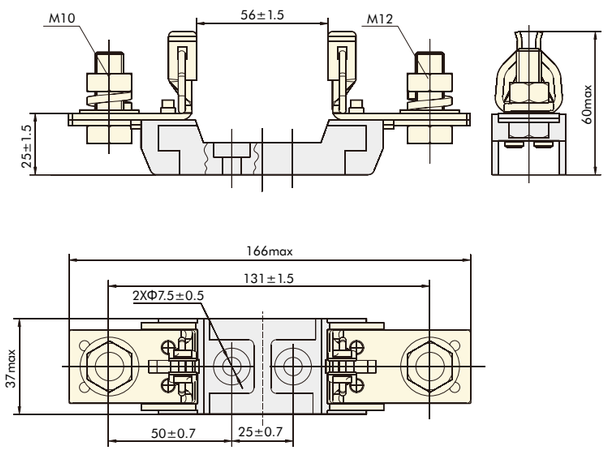
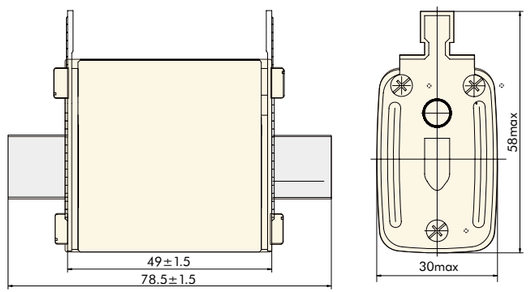


Fig. 4: CRT36-00 600A Fuse-link appearance dimensions



6.Ordering information

6.1 It needs to notify the following when ordering
Fuse link shall be marked with product model, rated current and quantity

6.2 It needs to notify the rated current of pedestal when ordering fuse-link pedestal

6.3 Ordering samples
For example: CRaaT36-00/600A, 100 fuse links represent 100 fuse links with product model of NRZ36-1 and rated current of 600A.CRT36-00/160A 100 pedestals represent 100 pedestals with product model of CRT36-00 and rated current of 160A.



NRT36 Knife Contact Fuse Protector

1.General

NRT36-00 (NH00) Knife contact fuse protector (hereinafter referred to as "fuse protector") is a new and practical patent fuse protector designed by our company, suitable for overload or short-circuit protection in electric circuit with AC 45Hz to 62Hz, rated voltage not more than 690V and rated current not more than 160A. Such fuse protector is the latest high-tech products, designed by Chint Group for communication industry and it is outstanding among the previous similar products with three innovations:The first is double indications. The product body is equipped with indicator, which highlights its indication advantages in dark night or within the case when fused mass melted and indicator illuminated;The second is quick and convenient installation. This product is designed to provide users with a quick installation method and its guide rail installation can be done with screws for fixation;The third is its free splicing, which is easy for mounting clapboard. Users can freely splice number of poles as required to conveniently mount clapboard.The series products comply with GB/T 13539.2 and IEC 60269-2 standards and have obtained 3C certification and CB test report.

2.Type designation

N RT 36- 00/□ (NH 00-□)

- Rated current of fuse links
- Size
- Low-voltage fuse protector(knife contact fuse protector)
- Rated current of fuse links
- Size
- Design sequence No.
- Knife contact fuse protector
- Company code

3. Normal operating conditions and installation conditions

3.1 Ambient temperature: The ambient temperature does not exceed 40℃ , of which average value measured over 24h does not exceed 35℃ , and average value measured over one year is lower than this value; the lowest value of the ambient air temperature is -5℃ .

3.2 Atmospheric conditions: The air is clean, with relative humidity not exceeding 50% when the maximum temperature is 40°C. Higher relative humidity is possible when the temperature is lower. For example, at 20°C, the relative humidity can attain 90%. Measures are taken against condensation on the product body due to temperature variation.

3.3 Class of pollution: Class III

3.4 Installation category: Class III

3.5 Installation conditions: The fuse should be installed in places free of significant shaking and shock vibration.

3.6 Altitude: See the table below for correction coefficients of operating current at different altitudes:

Altitude	≤2000m	2000m~3000m	≤3000m	Example
Current correction factor	1	0.9	0.8	Product with rated current of 10A at altitude of 2500m The rated current after derating is 0.9X10=9A

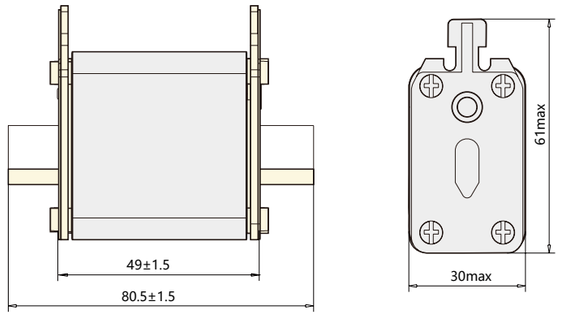
3.7 If the operating conditions of fuse are different from those in the above table, please consult with the manufacturer.

4. Technical data

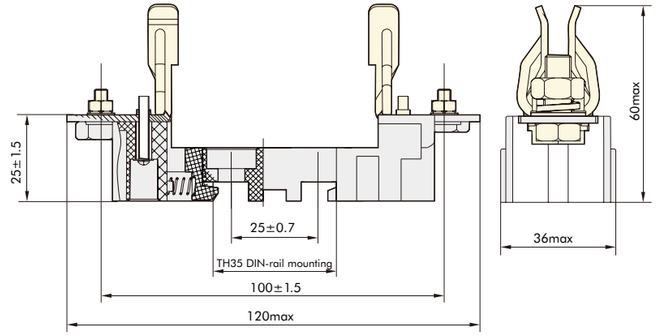
Type specification	Rated voltage(V)	Breaking capacity(kA)	Rated current(A)	Rated current of fuse protector(A)
NRT36-00(NH00)	AC500 AC660,AC690	120 50	2,4,6,10,16,20,25,32,35, 40,50,63,80,100,125,160	160

5. Overall and mounting dimensions

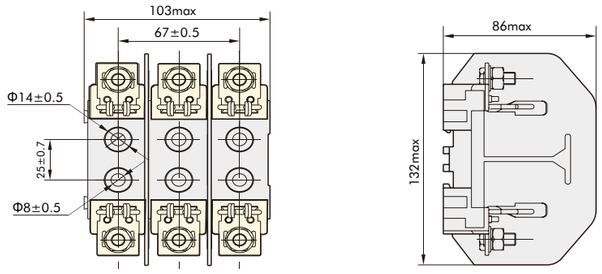
NRT36-00 Fuse link size



NRT36-00 Pedestal size



NRT36-00-3P pedestal size



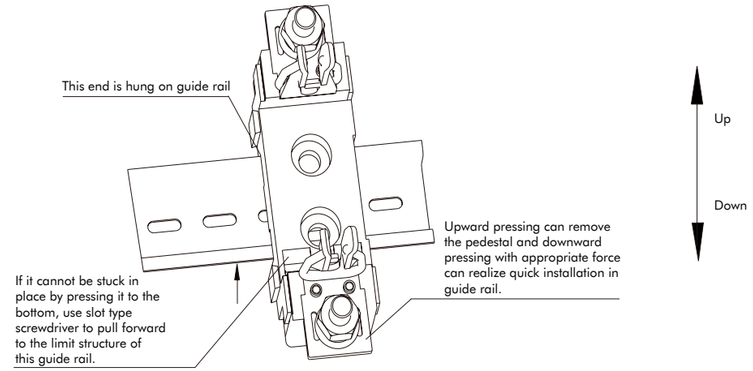
6. Interchangeability of fuse links and pedestal

The fuse link and pedestal of NRT36-00 and RT36-00 can be used interchangeably; namely, the fuse link of NRT36-00 can match the pedestal of NRT36-00 and RT36-00 at the same time. The difference is that NRT36-00 pedestal can be spliced and installed in guide rail style or with screws, while guide rail installation and splicing are not available for RT36-00 pedestal; only installation with screws is allowed. NRT36-00 fuse protector is equipped with indicator structures. The illuminating indicator shows that fuse links has melted. NRT36-00 fuse protector has no such structure.

7. Installation, use and maintenance

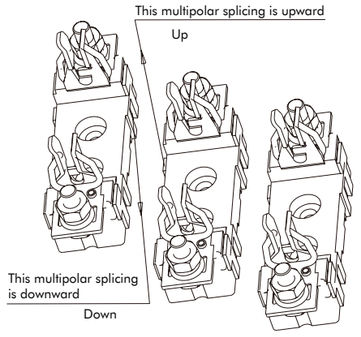
7.1 Before installation, check if the fuse link can be flexibly plugged.

7.2 NRT36-00 pedestal can be either installed with screws or with TH35 standard guide rail to realize rapid installation. Schematic Diagram of Guide Rail Installation is given here.

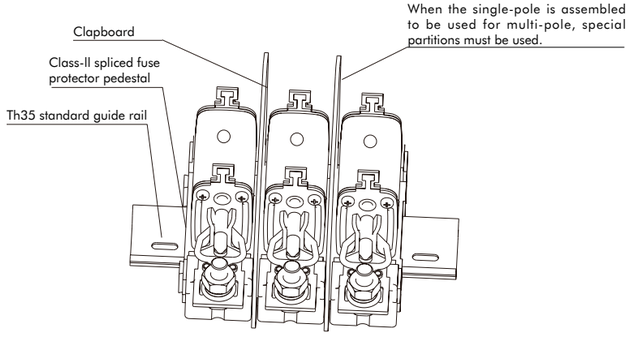


7.3 NRT36-00 pedestal is a new fuse protector pedestal, which can be spliced. When it is used in a multipolar structure, it must be equipped with supporting clapboard; otherwise, it cannot be used in a multipolar structure (commonly used, such as: three poles). Schematic diagram of splicing and assembly diagram in the case of three poles are as follows.

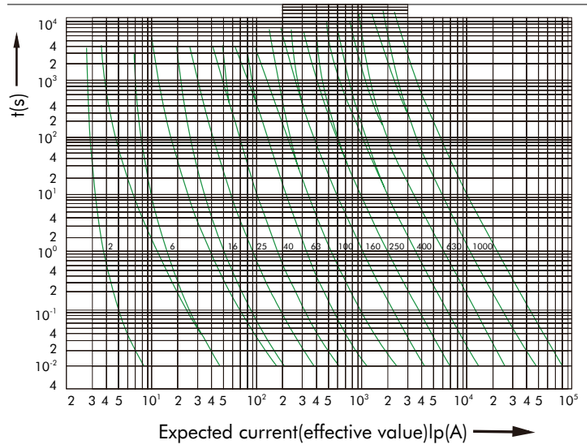
7.3.1 Schematic Diagram of 3P Pedestal Splicing

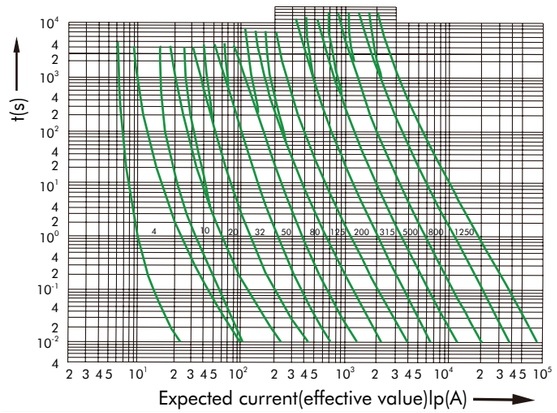


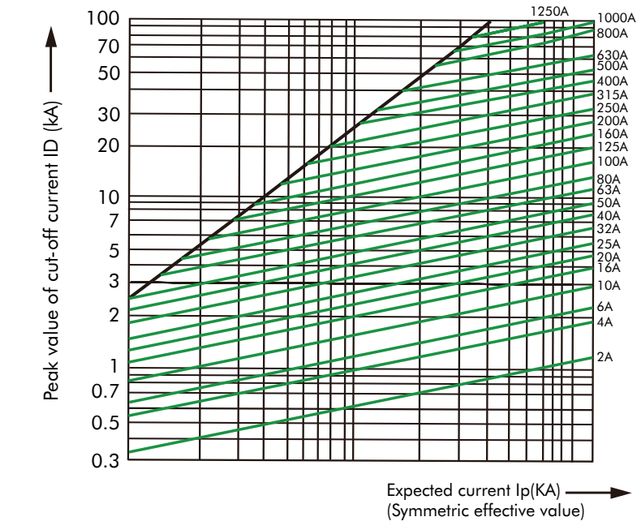
7.3.2 Schematic Diagram of 3P Assembly Splicing



Characteristic curve of (N)RT36 series knife contact fuse protector









NRT28 Series Cylindrical Cap Fuse Holder

1. Application scope

NRT28 series cylindrical cap fuse applies to power distribution system with AC 45Hz-62Hz, rated voltage of 500V, and rated current of 125A, to protect overload and short circuit (it is not recommended but RT36 fuse in capacitor box). Neon light and resistance comprise the fuse base's fuse-link fuse signal device (code "X"). NRT28 series holder can be used in combination with RT28-32, RT28-63, and RT29-125 "gG" fuse links, "gG" is the general-purpose fuse link with full-range breaking capacity. Standard: IEC 60269-2.

2. Model and meaning

N RT 28 - □□/□

- Number of poles (2P,3P single pole not indicated with number)
- Signal device(code"X")
- Rated current of fuse
- Design code
- Powder-filled cartridge fuse
- Enterprise feature code

3. Normal operating conditions and installation conditions

3.1 Ambient temperature: The ambient temperature does not exceed 40℃ , of which average value measured over 24h does not exceed 35℃ , and average value measured over one year is lower than this value; the lowest value of the ambient air temperature is -5℃ .

3.2 Atmospheric conditions: The air is clean, with relative humidity not exceeding 50% when the maximum temperature is 40°C. Higher relative humidity is possible when the temperature is lower. For example, at 20°C, the relative humidity can attain 90%. Measures are taken against condensation on the product body due to temperature variation.

3.3 Class of pollution: Class III

3.4 Installation category: Class III

3.5 Installation conditions: The fuse should be installed in places free of significant shaking and shock vibration.

3.6 Altitude: See the table below for correction coefficients of operating current at different altitudes:

Altitude	≤2000m	2000m~3000m	≤3000m	Example
Current correction factor	1	0.9	0.8	Product with rated current of 10A at altitude of 2500m The rated current after derating is 0.9X10=9A

3.7 If the operating conditions of fuse are different from those in the above table, please consult with the manufacturer.

4. Normal operating and installation conditions

4.1 Parameter of fuse holder

Model	Rated voltage(V)	Nominal current(A)	Number of poles	Dimension									
				A	C	D	E	F	G	K	H	I	J
NRT28-32(X)	500	32	1P	64max	82max	18max	/	/	10.3±0.1	38±0.6	44	47	/
	500	32	2P	64max	82max	/	37max	/	10.3±0.1	38±0.6	44	47	/
	500	32	3P	64max	82max	/	/	55.5max	10.3±0.1	38±0.6	44	47	/
NRT28-63	500	63	1P	77max	112max	27max	/	/	14.3±0.1	$51^{+0.6}_{-1.0}$	51	83	38
	500	63	2P	77max	112max	/	54max	/	14.3±0.1	$51^{+0.6}_{-1.0}$	51	83	38
	500	63	3P	77max	112max	/	/	81max	14.3±0.1	$51^{+0.6}_{-1.0}$	51	83	38
NRT28-125	500	125	1P	77max	128max	36max	/	/	22.2±0.1	$58^{+0.1}_{-2.0}$	51	95	40
	500	125	2P	77max	128max	/	72max	/	22.2±0.1	$58^{+0.1}_{-2.0}$	51	95	40

4.2 Parameter of fuse link

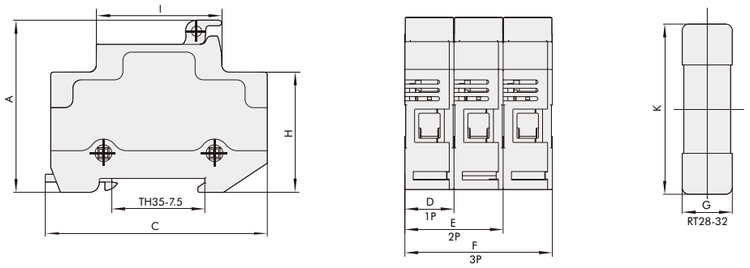
Model	Similar products at home and abroad	Size (GxK)	Rated voltage(V)	Nominal current(A)	Dissipation power(W)	Breaking capacity(kA)
RT28-32	RT18-32,RT14-20,RT19-32,R015	10×38	500	2,4,6,10,16,20,25,32	≤3	100
RT28-63	RT18-63,RT14-32,RT19-63,R016	14×51	500	2,4,6,10,16,20,25,32,40,50,63	≤5	100
RT29-125	RT14-63,RT29-125,R017	22×58	500	10,16,20,25,32,40,50,63,80,100,125	≤9.5	100

4.3 Parameter of fuse holder and fuse link

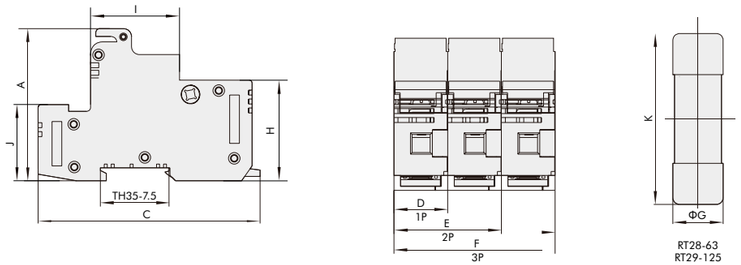
Model of holder	Equipped fuse link		
	Size(mm)	Model of fuse link	Current(A)
NRT28-32(X)	10×38	RT28-32,R015	2,4,6,10,16,20,25,32
NRT28-63	14×51	RT28-63,R016	2,4,6,10,16,20,25,32,40,50,63
NRT28-125	22×58	RT29-125,R017	10,16,20,25,32,40,50,63,80,100,125

5. Overall and mounting dimensions

NRT28-32



NRT28-63、NRT28-125



6. Ordering Information

6.1 Must be specified when ordering

6.1.1 Fuse must be specified the product model、rated current、 quantity

6.1.2 Base must be specified the specification、 specify the base, the number of poles、order amount

6.2 Order example

When order 100 RT28-32 20A fuses only can be written RT28-32/20A、100;

When order 100 3 poles of NRT28-32 bases only can be written NRT28-32/3P(Base)、100.



RT28 Cylindrical Contact Caps Fuse Protector

1.General

Rt28 Cylindrical contact caps fuse protector is applicable to the distribution equipment with AC 45Hz-62Hz, rated voltage of 500V and rated current not more than 63A for circuit overload and short-circuit protection (RT36-00 fuse protector is recommended to be used in capacitor box instead of this kind of fuse protector). Neon light and resistors constitute fusing signal device of fuse link of fuse protector pedestal (symbol "X").RT28-32 and RT28-63 fuse link is divided into "gG" type; "gG" is ordinary fuse protector with full range of breaking capacity.This product conforms to GB/T 13539.2 and IEC 60269-2 standards; its technical indicators have reached international advanced level. "gG" fuse links can match RT28 pedestal.This product complies with GB/T 13539.2 and IEC 60269-2.

2.Type designation

RT 28 (N) □ - □ / □ □

- Rated current of fuse links
- Number of poles(monopolar is not numbered)
- Signal device(symbol "X")
- Rated current of fuse protector
- NEW(new model and appearance)
- Design sequence No.
- Code of powder-filled cartridge fuse protector

3. Normal operating conditions and installation conditions

3.1 Ambient temperature: The ambient temperature does not exceed 40℃ , of which average value measured over 24h does not exceed 35℃ , and and average value measured over one year is lower than this value; the lowest value of the ambient air temperature is -5℃ .

3.2 Atmospheric conditions: The air is clean, with relative humidity not exceeding 50% when the maximum temperature is 40°C. Higher relative humidity is possible when the temperature is lower. For example, at 20°C, the relative humidity can attain 90%. Measures are taken against condensation on the product body due to temperature variation.

3.3 Class of pollution: Class III

3.4 Installation category: Class III

3.5 Installation conditions: The fuse should be installed in places free of significant shaking and shock vibration.

3.6 Altitude: See the table below for correction coefficients of operating current at different altitudes:

Altitude	≤2000m	2000m~3000m	≤3000m	Example
Current correction factor	1	0.9	0.8	Product with rated current of 10A at altitude of 2500m The rated current after derating is 0.9X10=9A

3.7 If the operating conditions of fuse are different from those in the above table, please consult with the manufacturer.

4. Technical data

4.1 Parameters of fuse protector supporter (pedestal)

Model	Rated voltage(V)	Rated current(A)	Number of poles	Size						
				A	C	D	E	F	G	K
RT28N-32	500	32	1P	81max	44	47	61max	18max	10.3±0.1	38±0.6
	500	32	2P	81max	44	47	61max	36max	10.3±0.1	38±0.6
	500	32	3P	81max	44	47	61max	54max	10.3±0.1	38±0.6
RT28N-32X	500	32	1P	81max	44	47	61max	18max	10.3±0.1	38±0.6
	500	32	2P	81max	44	47	61max	36max	10.3±0.1	38±0.6
	500	32	3P	81max	44	47	61max	54max	10.3±0.1	38±0.6
RT28-63	500	63	1P	107max	59	66	80max	27max	14.3±0.1	$51^{+0.6}_{-1.0}$
	500	63	2P	107max	59	66	80max	54max	14.3±0.1	$51^{+0.6}_{-1.0}$
	500	63	3P	107max	59	66	80max	81max	14.3±0.1	$51^{+0.6}_{-1.0}$
RT28-63X	500	63	1P	107max	59	66	80max	27max	14.3±0.1	$51^{+0.6}_{-1.0}$
	500	63	2P	107max	59	66	80max	54max	14.3±0.1	$51^{+0.6}_{-1.0}$
	500	63	3P	107max	59	66	80max	81max	14.3±0.1	$51^{+0.6}_{-1.0}$

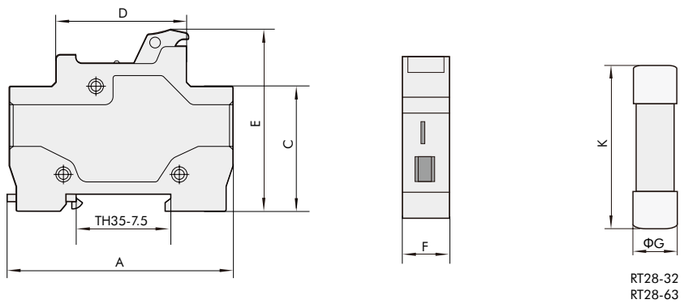
4.2 Parameters of fuse links

Model	Similar models at home and abroad	Size (G×K)	Rated voltage(V)	Rated current(A)	Dissipation power(W)	Breaking capacity(kA)
RT28-32	RT18-32,RT14-20, RT19-32,R015	10×38	500	2,4,6,10,16,20,25,32	≤3	100
RT28-63	RT18-63,RT14-32, RT19-63,R016	14×51	500	2,4,6,10,16,20,25,32,40,50,63	≤5	100

4.3 Configuration parameters of fuse protector supporter (pedestal) and fuse links

Fuse protector pedestal Model	Supporting fuse protector		
	Size(mm)	Model of fuse links	Current(A)
RT28N-32 RT28N-32X	10×38	RT28-32,R015	2,4,6,10,16,20,25,32
RT28-63 RT28-63X	14×51	RT28-63,R016	2,4,6,10,16,20,25,32,40,50,63

5. Overall and mounting dimensions

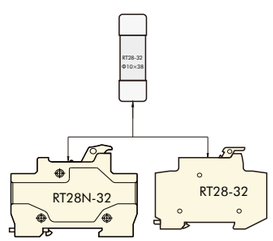


RT28-32
RT28-63

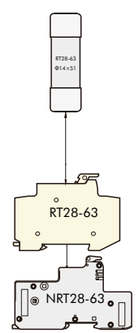
6. Schematic diagram

Matched schematic diagram of fuse protector supporter (pedestal) and fuse links

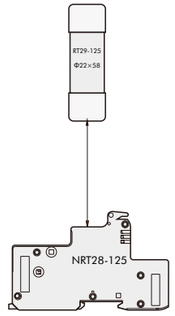
Matched schematic diagram of fuse protector supporter (pedestal) and fuse links with size of 10×38



Matched schematic diagram of fuse protector supporter (pedestal) and fuse links with size of 14×51



Matched schematic diagram of fuse protector supporter (pedestal) and fuse links with size of 22×58



7. Ordering information

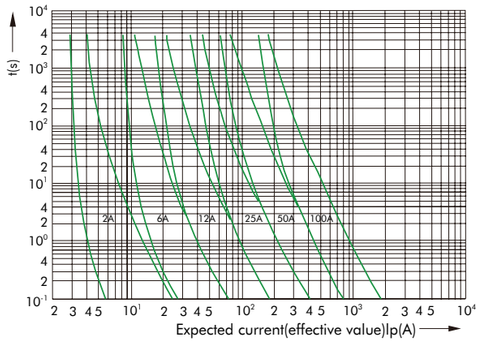
7.1 It needs to notify the following when ordering:

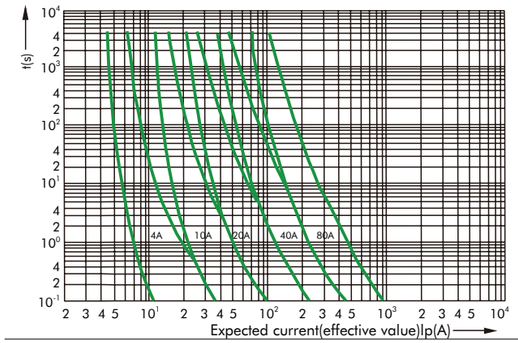
7.1.1 Fuse link shall be marked with product model, rated current and quantity.

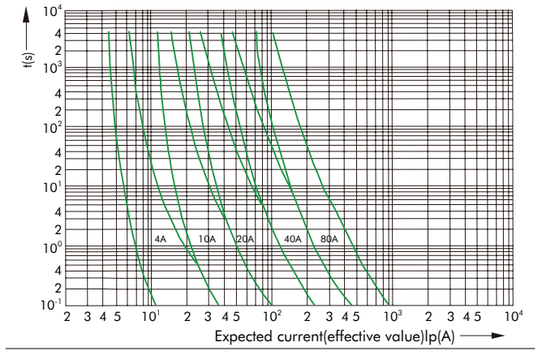
7.1.2 Pedestal shall be marked with type, specification, pedestal mark, number of pole and quantity.

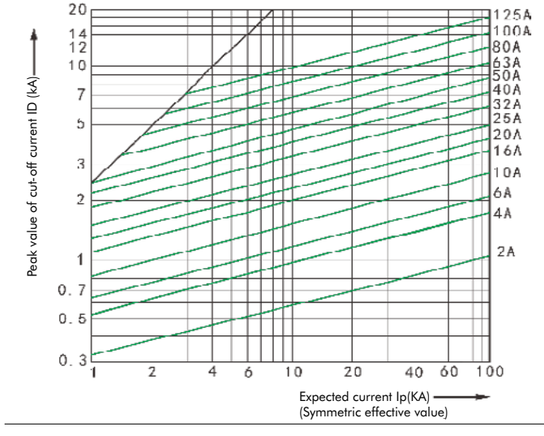
7.2 Ordering example
100 RT28-32 20A fuse links can be expressed as 100 RT28-32/20A fuse links.
100 NRT28-32 pedestal of three poles can be expressed as 100 NRT28-32/ 3P pedestals.

RT28 Fuse with Cylindrical Cap Protection Characteristic Curve









RT28-32	4-1250A	gG:Cable protection
Fuse Frame	Rated current	Type

	Frame	In	Description	Code	Price	QTY
	32A	2A	RT28-32 2A gG/gL	520474		2400
	32A	4A	RT28-32 4A gG/gL	520475		2400
	32A	6A	RT28-32 6A gG/gL	520476		2400
	32A	10A	RT28-32 10A gG/gL	520478		2400
	32A	16A	RT28-32 16A gG/gL	520480		2400
	32A	20A	RT28-32 20A gG/gL	520481		2400
	32A	25A	RT28-32 25A gG/gL	520482		2400
	32A	32A	RT28-32 32A gG/gL	520483		2400
	63A	10A	RT28-63 10A gG/gL	520489		1000
	63A	16A	RT28-63 16A gG/gL	520490		1000
	63A	20A	RT28-63 20A gG/gL	520491		1000
	63A	25A	RT28-63 25A gG/gL	520492		1000
	63A	32A	RT28-63 32A gG/gL	520493		1000
	63A	40A	RT28-63 40A gG/gL	520494		1000
	63A	50A	RT28-63 50A gG/gL	520495		1000
	63A	63A	RT28-63 63A gG/gL	520496		1000

	Pole	In	Description	Code	Price	QTY
	1P	32A	NRT28-32 1P base (EU)	520465		240
	1P	32A	NRT28-32 2P base (EU)	520466		120
	3P	32A	NRT28-32 3P base (EU)	520467		80
	1P	32A	NRT28-32X 1P base (EU)	520468		240
	2P	32A	NRT28-32X 2P base (EU)	520469		120
	3P	32A	NRT28-32X 3P base (EU)	520470		80
	1P	63A	BASE RT28-63 1P	520512		108
	2P	63A	BASE RT28-63 2P	520513		54
	3P	63A	BASE RT28-63 3P	520514		36
	1P	63A	BASE RT28-63X 1P	520515		108
	2P	63A	BASE RT28-63X 2P	520516		54
	3P	63A	BASE RT28-63X 3P	520517		36
	1P	32A	BASE RT28N-32 1P	520484		240
	1P	32A	BASE RT28N-32 2P	520485		120
	3P	32A	BASE RT28N-32 3P	520486		80
	1P	32A	BASE RT28N-32X 1P	520441		240
	2P	32A	BASE RT28N-32X 2P	520487		120
	3P	32A	BASE RT28N-32X 3P	520488		80



RT29
Fuse with Cylindrical Cap

1.General

RT 29 type fuse with cylindrical cap applies to distribution configuration of AC 45Hz-62Hz, rated voltage 500V and rated current of 125A for protection from overload and short-circuit. (This type of fuse is not recommended of using in the electric capacity cabinet, if so, RT36-00 shall be used as replacement). Fuse equipped with impinger can be used as open-phase protection for the electric motor. Fuse-link for general service with full range of breaking capacity shall be "gG" type which can be used for line protection.

2.Type designation

RT 29 - □/□

- Rated current of the fuse-link
- Rated current of the fuse
- Design sequence No.
- Code for fuse of sealed-tube with material

3. Technical data

3.1 Parameters of fuse protector supporter (pedestal)

Model	Similar models at home ancd abroad	Rated voltage(V)	Rated current(A)	Length C	D	Width E	Height H
RT29-16	RT19-16	500	16	70max	31±0.56	21max	47max

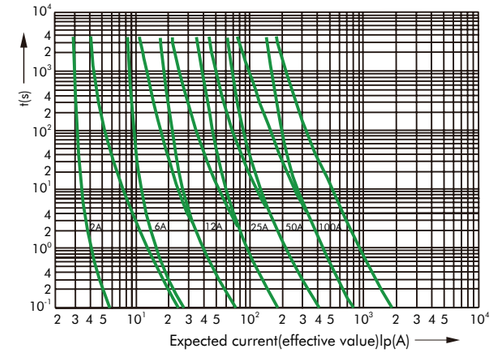
3.2 Parameter of fuse-link

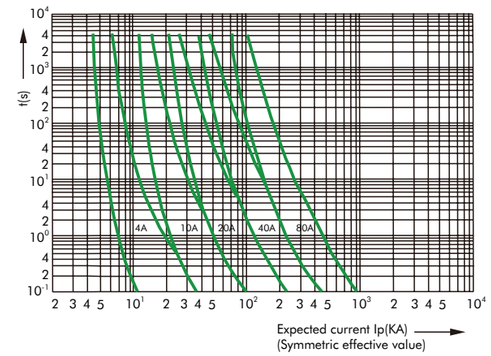
Model	Similar models at home and abroad	Size (B×A)	Rated voltage(V)	Rated current(A)	Dissipation power(W)	Breaking capacity(kA)
RT29-16(RO14)	RT19-16	8×32	500	2,4,6,10,16	≤2.5	100
RT29-125(RO17)	RT19-125	22×58	500	10,16,20,25,32,40,50,63,80,100,125	≤9.5	100

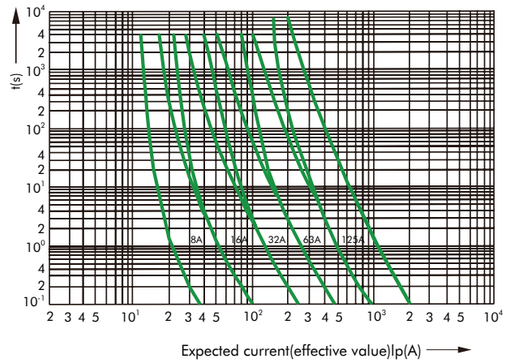
3.3 Fuse holder (chassis) and parameter of configuration of fuse-link

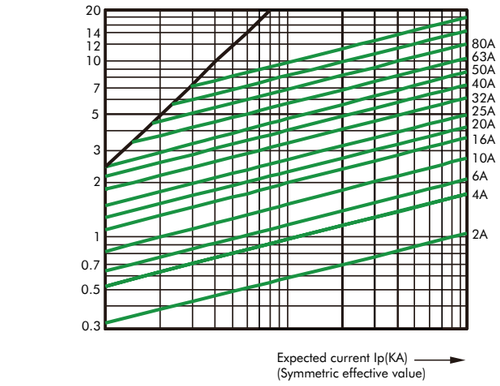
Fuse holder (chassis)Model	Supporting fuse protector		
	Size(mm)	Model of fuse links	Current(A)
RT29-16	8×32	RT29-16	2,4,6,10,16

RT29 Fuse with Cylindrical Cap
Protection Characteristic Curve









RT29	-	□	□	-	□
Fuse Series		Fuse Frame	Rated current		Usage Category

Frame current	Description	Code
125A	RT29-125 100A gG/gL	520304
	RT29-125 100A gG/gL(MET)	520542
	RT29-125 100A gG/gL	520510
	RT29-125 125A gG/gL	520305
	RT29-125 125A gG/gLcMET)	520543
	RT29-125 125A gG/gL	520511
	RT29-125 16A gG/gL	520297
	RT29-125 16A gG/gL	520503
	RT29-125 25A gG/gL	520298
	RT29-125 25A gG/gL(MET)	520536
	RT29-125 25A gG/gL	520504
	RT29-125 32A gG/gL	520299
	RT29-125 32A gG/gL(MET)	520537
	RT29-125 32A gG/gL	520505
	RT29-125 40A gG/gL	520300
	RT29-125 40A gG/gL(MET)	520538
	RT29-125 40A gG/gL	520506
	RT29-125 50A gG/gL	520301
	RT29-125 50A gG/gL(MET)	520539
	RT29-125 50A gG/gL	520507
	RT29-125 63A gG/gL	520302
	RT29-125 63A gG/gL(MET)	520540
	RT29-125 63A gG/gL	520508
	RT29-125 80A gG/gL	520303
	RT29-125 80A gG/gL(MET)	520541
	RT29-125 80A gG/gL	520509
16A	RT29-16 10A gG/gL	520244
	RT29-16 10A gG/gL	520501
	RT29-16 16A gG/gL	520245
	RT29-16 16A gG/gL	520502
	RT29-16 2A gG/gL	520241
	RT29-16 2A gG/gL	520497
	RT29-16 4A gG/gL	520242
	RT29-16 4A gG/gL	520498
	RT29-16 6A gG/gL	520243
	RT29-16 6A gG/gL	520499



RT36 Knife Contact Fuse Protector

1.General

RT36 Knife contact fuse protector is a new fuse protector designed by our company and featured by small size, light weight, low consumption and high breaking capacity, etc.; and widely used for overload protection and short-circuit protection of electric device.The series products are divided into "gG" type; "gG" is ordinary fuse protector with full range of breaking capacity. This product conforms to GB/T 13539.2 and IEC 60269-2 standards; its technical indicators have reached international advanced level.

2.Type designation

RT 36- □□/□

- Rated current of fuse protector
- Size
- Design sequence No.
- Code of powder-filled cartridge fuse protector

3. Normal operating conditions and installation conditions

3.1 Ambient temperature: The ambient temperature does not exceed 40℃ , of which average value measured over 24h does not exceed 35℃ , and average value measured over one year is lower than this value; the lowest value of the ambient air temperature is -5℃ .

3.2 Atmospheric conditions: The air is clean, with relative humidity not exceeding 50% when the maximum temperature is 40°C. Higher relative humidity is possible when the temperature is lower. For example, at 20°C, the relative humidity can attain 90%. Measures are taken against condensation on the product body due to temperature variation.

3.3 Class of pollution: Class III

3.4 Installation category: Class III

3.5 Installation conditions: The fuse should be installed in places free of significant shaking and shock vibration.

3.6 Altitude: See the table below for correction coefficients of operating current at different altitudes:

3.7 If the operating conditions of fuse are different from those in the above table, please consult with the manufacturer.

Altitude	≤2000m	2000m~3000m	≤3000m	Example
Current correction factor	1	0.9	0.8	Product with rated current of 10A at altitude of 2500m The rated current after derating is 0.9X10=9A

3. Technical data

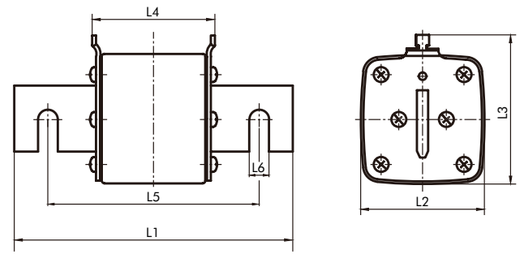
Table(continued)

Specifications	Similar models at home and abroad	Rated current(A)	Rated voltage(V)	Rated power(W)	Breaking capacity(kA)
		4	AC500/AC690/DC250	1.5	120/50/100
		6	AC500/AC690/DC250	1.6	120/50/100
		10	AC500/AC690/DC250	1.7	120/50/100
		16	AC500/AC690/DC250	2.0	120/50/100
		20	AC500/AC690/DC250	2.5	120/50/100
		25	AC500/AC690/DC250	3.1	120/50/100
		32	AC500/AC690/DC250	3.5	120/50/100
RT36-00	RT16-00(NT00)	35	AC500/AC690/DC250	3.8	120/50/100
		40	AC500/AC690/DC250	4.0	120/50/100
		50	AC500/AC690/DC250	5.3	120/50/100
		63	AC500/AC690/DC250	6.1	120/50/100
		80	AC500/AC690/DC250	6.9	120/50/100
		100	AC500/AC690/DC250	10.0	120/50/100
		125	AC500/AC690/DC250	9.6	120/50/100
		160	AC500/AC690/DC250	12.0	120/50/100
		4	AC500/AC690	1.7	120/50
		6	AC500/AC690	2.0	120/50
		10	AC500/AC690	1.8	120/50
		16	AC500/AC690	2.5	120/50
		20	AC500/AC690	3.0	120/50
		25	AC500/AC690	3.5	120/50
		32	AC500/AC690	4.05	120/50
RT36-0	RT16-0(NTO)	35	AC500/AC690	4.0	120/50
		40	AC500/AC690	5.1	120/50
		50	AC500/AC690	7.25	120/50
		63	AC500/AC690	8.1	120/50
		80	AC500/AC690	10.26	120/50
		100	AC500/AC690	12.58	120/50
		125	AC500/AC690	15.62	120/50
		160	AC500/AC690	16.0	120/50
		80	AC500/AC690/DC440	8.35	120/50/100
		100	AC500/AC690/DC440	12.05	120/50/100
		125	AC500/AC690/DC440	13.46	120/50/100
RT36-1	RT16-1(NT1)	160	AC500/AC690/DC440	16.53	120/50/100
		200	AC500/AC690/DC440	20.8	120/50/100
		224	AC500/AC690/DC440	22.69	120/50/100
		250	AC500/AC690/DC440	23.0	120/50/100
		125	AC500/AC690/DC440	21.7	120/50/100
		160	AC500/AC690/DC440	22.7	120/50/100
		200	AC500/AC690/DC440	26.8	120/50/100
		224	AC500/AC690/DC440	28.9	120/50/100
RT36-2	RT16-2(NT2)	250	AC500/AC690/DC440	28.9	120/50/100
		300	AC500/AC690/DC440	32.0	120/50/100
		315	AC500/AC690/DC440	32.45	120/50/100
		355	AC500/AC690/DC440	33.66	120/50/100
		400	AC500/AC690/DC440	34.0	120/50/100
		315	AC500/AC690/DC440	34.45	120/50/100
		355	AC500/AC690/DC440	35.96	120/50/100
		400	AC500/AC690/DC440	38.09	120/50/100
RT36-3	RT16-3(NT3)	425	AC500/AC690/DC440	40.20	120/50/100
		500	AC500/AC690/DC440	45.23	120/50/100
		630	AC500/AC690/DC440	48.0	120/50/100
		800	AC500	75.08	120
RT36-4	RT16-4(NT4)	1000	AC500	90.0	120
		1250	AC500	110	120

5. Overall and mounting dimensions

5.1 Fuse link size

RT36

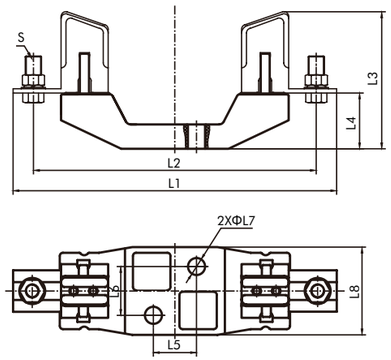


RT36

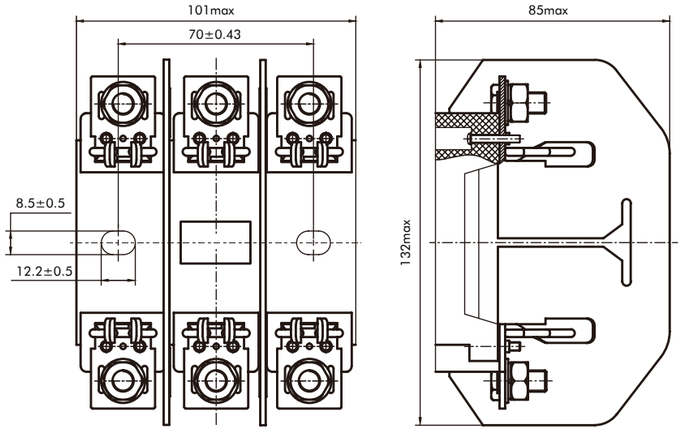
Size	RT36-00	RT36-0	RT36-1	RT36-2	RT36-3	RT36-4
L1	78.5±1.5	125±2.5	135±2.5	150±2.5	150±2.5	200±3.0
L2	30max	31max	50max	60max	69max	89max
L3	58max	58max	64max	74max	87max	114max
L4	49±1.5	$68^{+1.5}_{-3.0}$	68±2.5	68±2.5	68±2.5	90±3.0
L5	———	———	———	———	———	150±2.0
L6	———	———	———	———	———	15±0.5

Size	RT36-00	RT36-0	RT36-1	RT36-2	RT36-3	RT36-4
L1	120max	174max	201max	227max	255max	301max
L2	100±1.5	152±1.5	175±1.5	200±1.5	210±1.5	258±1.5
L3	62max	75max	86max	97max	105max	146max
L4	24±1.5	35±1.5	35±1.5	35±1.5	35±1.5	40±1.5
L5	25±0.7	25±0.7	25±0.7	25±0.7	25±0.7	30±0.7
L6	———	———	30±0.7	30±0.7	30±0.7	45±0.7
L7	8.3±0.3	7.5±0.5	10.5±0.5	10.5±0.5	10.5±0.5	14±0.5
L8	31max	31max	55max	62max	62max	76max
S	M8	M8	M10	M10	M12	M16

5.2 Fuse base size



RT36-00-3P



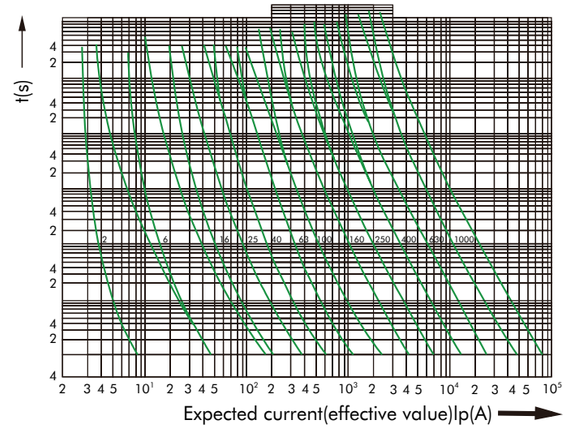
6. Ordering information

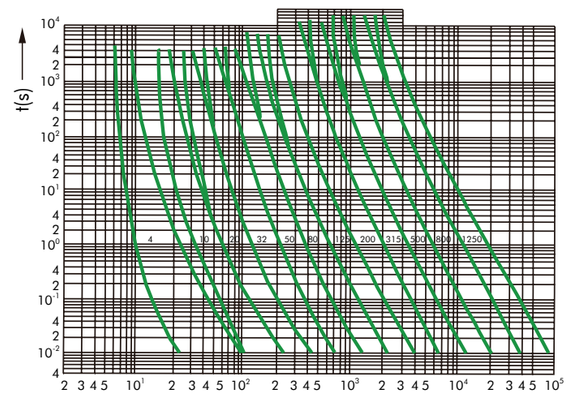
6.1 It needs to notify the following when ordering

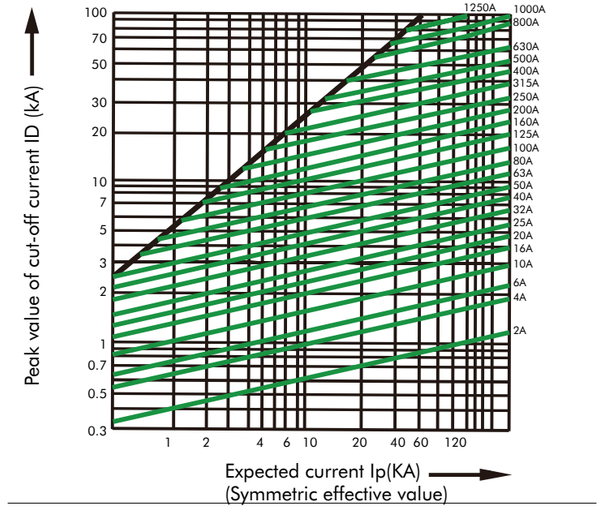
6.1.1 Fuse link shall be marked with product model, rated current and quantity

6.1.2 Pedestal shall be marked with type, specification, pedestal mark and quantity.
For example: RT36-00/100A, 100 fuse links represent 100 fuse links with product model of RT36-00 and rated current of 100
RT36-00 100 pedestals represent 100 pedestals with product model of RT36-00.

RT36
Knife Contact Fuse Protector
Protection Characteristic Curve







RT36	-	0/1/2/3/4	4-1250A	-	gG:Cable protection
FUSE		Frame Size	Rated current		Type

	Frame	In	Description	Code	Price	QTY
	160AF	4A	RT36-00 4A gG	521504		
	160AF	6A	RT36-00 6A gG	521505		
	160AF	10A	RT36-00 10A gG	521506		
	160AF	16A	RT36-00 16A gG	521507		
	160AF	25A	RT36-00 25A gG	521508		
	160AF	32A	RT36-00 32A gG	521509		
	160AF	35A	RT36-00 35A gG	521510		
	160AF	40A	RT36-00 40A gG	521511		
	160AF	50A	RT36-00 50A gG	521512		
	160AF	60A	RT36-00 60A gG	521513		
	160AF	63A	RT36-00 63A gG	521514		
	160AF	80A	RT36-00 80A gG	521515		
	160AF	100A	RT36-00 100A gG	521516		
	160AF	125A	RT36-00 125A gG	521517		
	160AF	160A	RT36-00 160A gG	521518		
	250AF	80A	RT36-1 80A gG	521519		
	250AF	100A	RT36-1 100A gG	521520		
	250AF	125A	RT36-1 125A gG	521521		
	250AF	160A	RT36-1 160A gG	521522		
	250AF	200A	RT36-1 200A gG	521523		
	250AF	224A	RT36-1 224A gG	521524		
	250AF	250A	RT36-1 250A gG	521525		
	400AF	125A	RT36-2 125A gG	521526		
	400AF	160A	RT36-2 160A gG	521527		
	400AF	200A	RT36-2 200A gG	521528		
	400AF	224A	RT36-2 224A gG	521529		
	400AF	250A	RT36-2 250A gG	521530		
	400AF	300A	RT36-2 300A gG	521531		
	400AF	315A	RT36-2 315A gG	521532		
	400AF	355A	RT36-2 355A gG	521533		
	400AF	400A	RT36-2 400A gG	521534		
	630AF	315A	RT36-3 315A gG	521535		
	631AF	355A	RT36-3 355A gG	521536		
	632AF	400A	RT36-3 400A gG	521537		
	633AF	425A	RT36-3 425A gG	521538		
	634AF	500A	RT36-3 500A gG	521539		
	635AF	630A	RT36-3 630A gG	521540		
	1250AF	800A	RT36-4 800A gG	521541		
	1251AF	1000A	RT36-4 1000A gG	521542		
	1252AF	1250A	RT36-4 1250A gG	521543		
	160	/	RT36-00 BASE	521544		
	250	/	RT36-1 250A BASE	521545		
	400	/	RT36-2 400A BASE	521546		
	630	/	RT36-3 630A BASE	521547		
	1250	/	RT36-4 1250A BASE	521548		

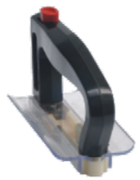


Fuse Carrier

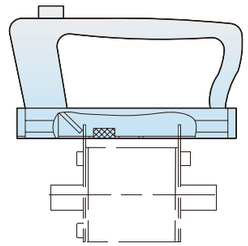
1.General

The fuse-carrier is mainly used for the installation or replacement of the knife contact fuses like CRT36-00, NRT36-00, RT36, HDLRT0, RS71C, etc.

Size	Rated insulation voltage(V)	Fuses model
L1	1000	RT36-00、CRT36-00、NRT36-00、RS711BC
L2	1000	RT36-0、RT36-1、RT36-2、RT36-3 RS711C、RS712C、RS713C HDLRT0-100、HDLRT0-200、HDLRT0-400、 HDLRT0-600
L3	1000	RT36-4、RS714C







A

View from A side

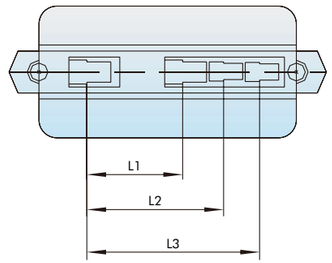


Figure 1

2.Ordering information

It should be noted when ordering: Fuse-carrier: model, quantity.
For example: 100 fuse-carriers.



SAK Terminal Blocks

1.General

SAK series is applicable to power and control circuits as terminal connection with rated voltage not more than 800V and rated cross-sectional area of 2.5~70mm2.
Standard: GB/T 14048.7 IEC 60947-7-1

2.Normal working conditions and installation conditions

2.1 Ambient air temperature
The upper limit of ambient temperature shall not exceed +40℃ , and the lower limit shall not be less than -5℃ ; And the average temperature within 24h shall not exceed +35℃ .

2.2 Altitude
The altitude of the installation site shall be less than 2000m.

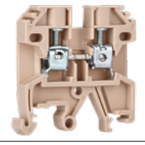
2.3 Atmospheric conditions

2.3.1 Humidity
When the maximum temperature is +40 ° C, the relative humidity of the air shall not exceed 50%. Higher relative humidity is allowed at a lower temperature, for example, the humidity can reach 90% at +20 ° C. Special measures should be taken for occasional condensation caused by temperature changes.

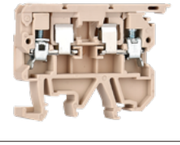
2.3.2 Pollution level: Level 3.

2.4 Installation Conditions
Installed in no significant shaking, impact vibration or rain,snow invasion place; Medium without explosion danger; No situations (including conductive dust) sufficient to corrode metal and destroy insulation.

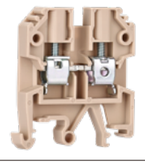
SAK-2.5



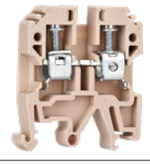
SAK-20RD



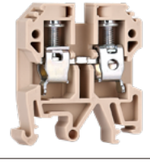
SAK-4



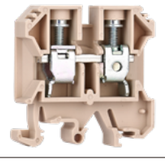
SAK-6



SAK-10



SAK-16



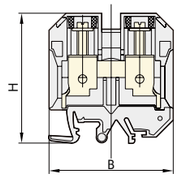
SAK-35

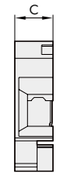


SAK-70



2. Overall and mounting dimensions





Note:boundary dimension is the same with JXB series of terminal blocks.

NO.	Product name	Specification	Rated connectivity(mm^2)
1	Terminal block	SAK-2.5	1~2.5
2	Terminal block	SAK-4	1.5~4
3	Terminal	SAK-4S	1.5~4
4	Terminal block	SAK-6	2.5~6
5	Terminal block	SAK-10	4~10
6	Terminal block	SAK-16	6~16
7	Terminal block	SAK-35	16~35
8	Terminal block	SAK-70	25~70
9	Fuse terminal	SAK-20RD	2.5 ~4
10	Fasteners	EW-35	
11	Marked block	SAK-B	Thick9.4
12	Baffle plate	AP-(4~10)	Thick1.7
13	Baffle plate	AP-2.5	Thick1.7
14	Baffle plate	AP-16	Thick1.8
15	Baffle plate	AP-35	Thick1.9
16	Baffle plate	AP-70	Thick2
17	Central shorted pieces	2.5,4,6,10,16,35,70	
18	marked number	DEK 5(1.....10)	

3. Ordering information

3.1 When ordering, you shall indicate product type, wiring area or current, category and quantity;

3.2 Conventional terminal block consists of 10 pieces to a line.

3.3 Other special requirements shall be indicated.

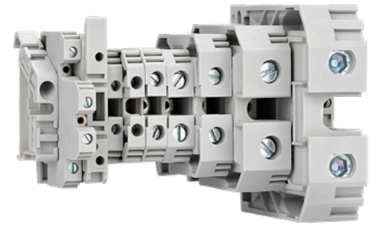
3.4 Ordering example: SAK-2.5/10 5 pieces
Mean: Order 5 pieces of terminal blocks (product type: SAK, wiring area: 2.5 mm^2 and category: general type)

SAK - □

SAK: Terminal Blocks Series

□: Rated connectivity

Description	Code
SAK10	550062
SAK-10/10	550067
SAK-10 CONNECTION	550057
SAK16	550063
SAK-16/10	550068
SAK-16 CONNECTION	550058
SAK-2.5	550060
SAK-2.5/10	550065
SAK-2.5 CONNECTION	550054
SAK-20RD BRR	550031
SAK-20RD/1	550064
SAK-35/1	550042
SAK-35/10	550069
SAK-4/1	550041
SAK-4 CONNECTION	550055
DK 4Q/35	509004
DK 4Q/35 BRR(SAK-4S BRR)	509005
SAK-6/1	550061
SAK-6/10	550066
SAK-6 CONNECTION	550056
SAK-70/1 PLASTIC	550043
SCHT3	571002
SAK FIXING(EW35)	550095



JXB Terminal Blocks

1.General

JXB series is applicable to power and control circuits as terminal connection with rated voltage not more than 800V and rated cross-sectional area of 2.5~70mm^2.
Standard: GB/T 14048.7 IEC 60947-7-1

2.Normal working conditions and installation conditions

2.1 Ambient air temperature
The upper limit of ambient temperature shall not exceed +40 ℃ , and the lower limit shall not be less than -5℃ ; And the average temperature within 24h shall not exceed +35℃ .

2.2 Altitude
The altitude of the installation site shall be less than 2000m.

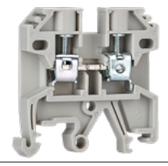
2.3 Atmospheric conditions

2.3.1 Humidity
When the maximum temperature is +40 ° C, the relative humidity of the air shall not exceed 50%. Higher relative humidity is allowed at a lower temperature, for example, the humidity can reach 90% at +20 ° C. Special measures should be taken for occasional condensation caused by temperature changes.

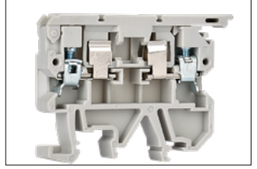
2.3.2 Pollution level: Level 3.

2.4 Installation Conditions
Installed in no significant shaking, impact vibration or rain,snow invasion place; Medium without explosion danger; No situations (including conductive dust) sufficient to corrode metal and destroy insulation.

JXB-2.5



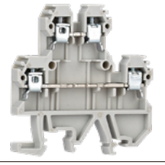
JXB-20RD



JXB-4



JXB-4S



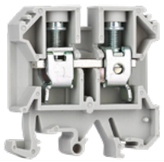
JXB-6



JXB-10



JXB-16



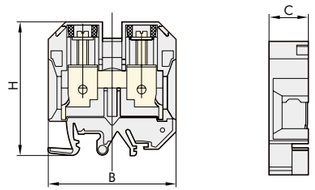
JXB-35



JXB-70



2. Overall and mounting dimensions



NO.	Product type	Boundary dimension(mm)			Type of mounting rail
		B	C	H	
1	JXB-2.5	42	6.1	40	TH35/G32
2	JXB-4	42	6.6	45.8	TH35/G32
3	JXB-4S	56	6.3	56	TH35/G32
4	JXB-20RD	59.5	8	41.5	TH35/G32
5	JXB-6	42	8	45.8	TH35/G32
6	JXB-10	42	10.1	45.8	TH35/G32
7	JXB-16	52	12.1	51.7	TH35/G32
8	JXB-35	59	18.1	62.5	TH35/G32
9	JXB-70	76.5	22.1	79	TH35/G32
10	EW35(GD35, fasteners)	46	8.5	31	

3. Ordering information

3.1 When ordering, you shall indicate product type, wiring area or current, category and quantity;

3.2 Conventional terminal block consists of 10 pieces to a line.

3.3 Other special requirements shall be indicated.

3.4 Ordering example: JXB-2.5/10 5 pieces
Mean: Order 5 pieces of terminal blocks (product type: JXB, wiring area: 2.5 mm^2 and category: general type).

JXB - □

JXB: Terminal Blocks Series

□: Rated connectivity

Description	Code
JXB-10/1	554037
JXB-10/10	554030
JXB-10 10-connection	550090
JXB-10/1 BLU	554058
JXB-16/1	554038
JXB-16/10	554031
JXB-16 10-connection	550091
JXB-16/1 BLU	554059
JXB-2.5/1	554026
JXB-2.5/10	554027
JXB-2.5 10-connection	550089
JXB-2.5/1 BLU	554055
JXB-20RD/1	554039
JXB-35/1	554040
JXB-35/10	554032
JXB-35/1 BLU	554060
JXB-4/1	554033
JXB-4/10	554028
JXB-4 10-connection	550093
JXB-4/1 BLU	554056
JXB-4S/1	554034
JXB-6/1	554036
JXB-6/10	554029
JXB-6 10-connection	550094
JXB-6/1 BLU	554057
JXB-70/1	554024
JXB-70/10	554053
JXB-70/1 BLU	554061
JXB-B	571001
EW35 FIXING	550033



JCUK Terminal Blocks

1.General

JCUK series is applicable to circuit as wire connection with rated voltage not more than 1000V and rated cross-sectional area of 150mm^2. Standard: GB/T 14048.7 IEC 60947-7-1.

2.Normal working conditions and installation conditions

2.1 Ambient air temperature
The upper limit of ambient temperature shall not exceed +40℃ , and the lower limit shall not be less than -5℃ ; And the average temperature within 24h shall not exceed +35℃ .

2.2 Altitude
The altitude of the installation site shall be less than 2000m.

2.3 Atmospheric conditions

2.3.1 Humidity
When the maximum temperature is +40 ° C, the relative humidity of the air shall not exceed 50%. Higher relative humidity is allowed at a lower temperature, for example, the humidity can reach 90% at +20 ° C. Special measures should be taken for occasional condensation caused by temperature changes.

2.3.2 Pollution level: Level 3.

2.4 Installation Conditions
Installed in no significant shaking, impact vibration or rain,snow invasion place; Medium without explosion danger; No situations (including conductive dust) sufficient to corrode metal and destroy insulation.

JCUK-2.5N



JCUK-35N



JCUK-50H



JCUK-150H



JCUK-95H



JCUK-5N



JCUK-6N



JCUK-10RD



JCUK-3N



JCUK/DK4



JCUK-5RD



JCUK/K5



JCUK-5JD



JCUK-10JD



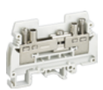
JCUK-16JD



JCUK-35JD



JCUK/S



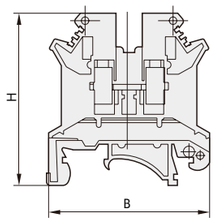
JCUK-10N



JCUK-16N



2. Overall and mounting dimensions



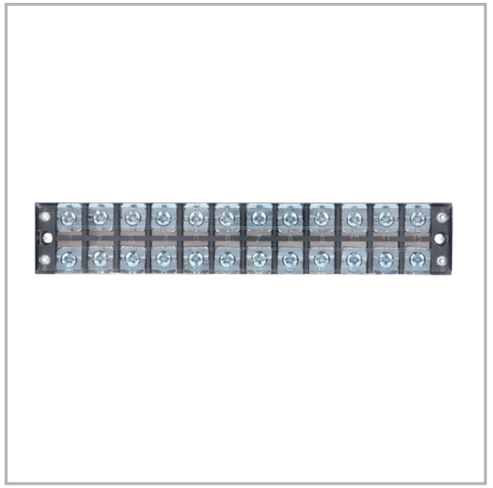
NO.	Product type	Boundary dimension(mm)			Type of mounting rail	Remark
		B	C	H		
1	JCUK-2.5N	43	6.2	41	TH35/G32	
2	JCUK-3N	43	5.2	46	TH35/G32	
3	JCUK-5N	43	6.3	46	TH35/G32	
4	JCUK-6N	43	8.2	46.5	TH35/G32	
5	JCUK-10N	43	10.2	46.5	TH35/G32	
6	JCUK-16N	43.5	12.2	51.5	TH35/G32	
7	JCUK-35N	51	15.5	61.5	TH35/G32	
8	JCUK-50H	76.5	20.5	76.5	TH35/G32	
9	JCUK-95H	89	25.5	90.5	TH35/G32	
10	JCUK-150H	106	31.3	112.5	TH35/G32	
11	JCUK/S	73	8.3	51	TH35/G32	
12	JCUK/K5	57	8.7	61.5	TH35/G32	
13	JCUK/DK4	64	6.2	46.5	TH35/G32	
14	JCUK-5JD	43	6.5	45.5	TH35/G32	
15	JCUK-10JD	43	10.5	45.5	TH35/G32	
16	JCUK-16JD	43	12.4	52.5	TH35/G32	
17	JCUK-35JD	51	15.4	61.5	TH35/G32	
18	JCUK-5RD	73	8.5	57	TH35/G32	Size of fuse link 5X25, rated current 6.3A
19	JCUK-10RD	63	12.5	56.5	TH35/G32	Size of fuse link 5X20, rated current 10A
20	E/UK(fastener)	42.5	9	35	TH35/G32	
21	JCUK-BJ(marked number)	1~10				
22	D/UK4/10(3N-16N baffle plate, JUCK-2.5N baffle plate)					

3. Ordering information

3.1 When ordering, you shall indicate product type, wiring area or current, category, and quantity;
3.2 Conventional terminal block consists of 10 pieces to a line.
3.3 Other special requirements shall be indicated.
3.4 Ordering example: JCUK-2.5N/10 5 pieces
Mean: Product number: JCUK, wiring area: 2.5mm^2, category: general type and total quantity: 5

JCUK	-	□
Terminal Blocks Series		Rated connectivity

Description	Code
JCUK-10JD	549039
JCUK-10N	549050
JCUK-10N BRR	549040
JCUK-10N label	549065
JCUK-10N/10	549052
JCUK-10N/10 connection	549032
JCUK-10RD	549073
JCUK-150H	549056
JCUK-16JD	549046
JCUK-16N	549053
JCUK-16N BRR	549041
JCUK-2.5N	549055
JCUK-2.5N BRR	549061
JCUK-2.5N label	549062
JCUK-2.5N/10	549058
JCUK-2.5N connection	549059
JCUK-35JD	549045
JCUK-35N	549054
JCUK-3N	549047
JCUK-50H	549068
JCUK-5JD	549038
JCUK-5N	549048
JCUK-5N label	549063
JCUK-5N/10	549060
JCUK-5N/10 connection	549034
JCUK-5RD	549072
JCUK-6JD	549044
JCUK-6N	549049
JCUK-6N label	549064
JCUK-6N/10	549051
JCUK-6N/10 connection	549033
JCUK-95H	549069
JCUK/DK4	549071
JCUK/K5	549042
JCUK/K5 block	406323
JCUK/S	549074
JCUK/S BRR	549075



TB Terminal Blocks

1.General

TB series is applicable to circuit with alternating current of 50Hz (60Hz), rated voltage not more than 600V and rated current not more than 100A for connection of wire.
Standard: GB/T 14048.7

2.Normal working conditions and installation conditions

2.1 Ambient air temperature
The upper limit of ambient temperature shall not exceed +40 ℃ , and the lower limit shall not be less than -5 ℃ ; And the average temperature within 24h shall not exceed +35℃ .

2.2 Altitude
The altitude of the installation site shall be less than 2000m.

2.3 Atmospheric conditions

2.3.1 Humidity
When the maximum temperature is +40 ° C, the relative humidity of the air shall not exceed 50%. Higher relative humidity is allowed at a lower temperature, for example, the humidity can reach 90% at +20 ° C. Special measures should be taken for occasional condensation caused by temperature changes.

2.3.2 Pollution level: Level 3.

2.4 Installation Conditions
Installed in no significant shaking, impact vibration or rain,snow invasion place; Medium without explosion danger; No situations (including conductive dust) sufficient to corrode metal and destroy insulation.

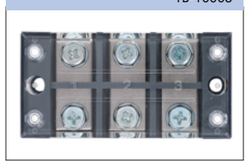
TB-6003



TB-6004



TB-10003



TB-10004



TB-1503



TB-1504



TB-1506



TB-2503



TB-2504



TB-2506



TB-4503



TB-4504



TB-4505



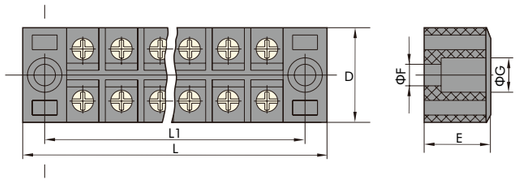
TB-4506



TB-1510



2. Overall and mounting dimensions



No.	Product type	Rated Current	Group count	Boundary dimension(mm)						connecting screw
				L	L1	D	E	F	G	
1	TB-1503	15A	3	45.5	35	22.2	18	4.2	7	M3
2	TB-1504	15A	4	54.3	44	22.2	18	4.2	7	M3
3	TB-1506	15A	6	72.5	62	22.2	18	4.2	7	M3
4	TB-1512	15A	12	126.2	115	22.2	18	4.2	7	M3
5	TB-1510	15A	10	107.5	97	22.5	18	4.2	7	M3
6	TB-2503	25A	3	55.5	44.6	30.5	20	4.2	7	M4
7	TB-2504	25A	4	67.5	56.5	30.5	20	4.2	7	M4
8	TB-2506	25A	6	92	81	30.5	20	4.2	7	M4
9	TB-2512	25A	12	163.8	152.6	30.5	20	4.2	7	M4
10	TB-4503	45A	3	70.5	59.2	38	24	5	7.2	M5
11	TB-4504	45A	4	86	75.6	38	24	5	7.2	M5
12	TB-4505	45A	5	103	92.5	38	24	5	7.2	M5
13	TB-4506	45A	6	119.5	109	38	24	5	7.2	M5
14	TB-4512	45A	12	220.5	209.5	38	24	5	7.2	M5
15	TB-6003	60A	3	75	63	38	30.5	5	7.2	M6
16	TB-6004	60A	4	93	81	38	30.5	5	7.2	M6
17	TB-10003	100A	3	86.5	75	43.5	34.5	5	7.2	M6
18	TB-10004	100A	4	108.5	97	43.5	34.5	5	7.2	M6

3. Ordering information

3.1 Pay attention to type, connection area or current, classification and quantity of products when ordering.

3.2 Regular terminal block shall be formed with sole block.

3.3 Other special requirements shall be noted.

3.4 Ordering example: TB-10003 5
Means ordering model is TB, rated current is 100A, and has 3 groups and quantity is 5.

TB - □

TB: Terminal Blocks Series

□: Rated Current&Group count

Rated Current	Group count	Description	Code
15A	3	TB-1503	558028
15A	4	TB-1504	558029
15A	6	TB-1506	558030
15A	12	TB-1512	558031
15A	10	TB-1510	558018
25A	3	TB-2503	558032
25A	4	TB-2504	558033
25A	6	TB-2506	558034
25A	12	TB-2512	558035
45A	3	TB-4503	558025
45A	4	TB-4504	558026
45A	6	TB-4506	558027
45A	12	TB-4512	558020
60A	3	TB-6003	558024
60A	4	TB-6004	558023
100A	3	TB-10003	558022
100A	4	TB-10004	558021



TC Terminal Blocks

1.General

TC series is applicable to circuit with alternating current of 50Hz (60Hz), rated voltage not more than 600V and rated current not more than 600A for connection of wire.
Standard: GB/T 14048.7 IEC 60947-7-1.

2.Normal working conditions and installation conditions

2.1 Ambient air temperature
The upper limit of ambient temperature shall not exceed +40℃ , and thelower limit shall not be less than -5 ℃ ; And the average temperature within 24h shall not exceed +35℃ .

2.2 Altitude
The altitude of the installation site shall be less than 2000m.

2.3 Atmospheric conditions

2.3.1 Humidity
When the maximum temperature is +40 ° C, the relative humidity of the air shall not exceed 50%. Higher relative humidity is allowed at a lower temperature, for example, the humidity can reach 90% at +20 ° C. Special measures should be taken for occasional condensation caused by temperature changes.

2.3.2 Pollution level: Level 3.

2.4 Installation Conditions
Installed in no significant shaking, impact vibration or rain, snow invasion place; Medium without explosion danger; No situations (including conductive dust) sufficient to corrode metal and destroy insulation.

TC-1003



TC-1503



TC-1504



TC-6003



TC-2003



TC-3003



TC-3004

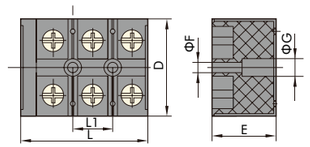


TC-4004

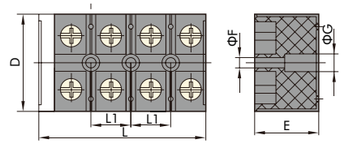


2. Overall and mounting dimensions

Boundary and installed dimension of TC series with three groups



Boundary and installed dimension of TC series with four groups



No.	Product type	Rated Current	Group count	Boundary dimension(mm)						connecting screw
				L	L1	D	E	F	G	
1	TC-603	60A	3	86	28.5	43	38	5.2	9.6	M6
2	TC-604	60A	4	114.5	28.5	43	38	5.2	9.6	M6
3	TC-1003	100A	3	103	34	55	42	5.2	9.6	M6
4	TC-1004	100A	4	136	34	55	42	5.2	9.6	M6
5	TC-1503	150A	3	115.3	38.5	66	46	6.3	11	M8
6	TC-1504	150A	4	153.5	38.5	66	46	6.3	11	M8
7	TC-2003	200A	3	132	44	72	51	7.9	11.2	M8
8	TC-2004	200A	4	176.5	44	72	51	7.9	11.2	M8
9	TC-3003	300A	3	165.5	55	90	58	7.9	11.2	M10
10	TC-3004	300A	4	219.5	55	90	58	7.9	11.2	M10
11	TC-4003	400A	3	165.5	55	90	60	7.9	11.2	M10
12	TC-4004	400A	4	219.5	55	90	60	7.9	11.2	M10
13	TC-6003	600A	3	206.5	68.5	100.5	80	8.5	12	M12
14	TC-6004	600A	4	275.5	68.5	100.5	80	8.5	12	M12

3. Ordering information

3.1 Pay attention to type, connection area or current, classification and quantity of products when ordering.

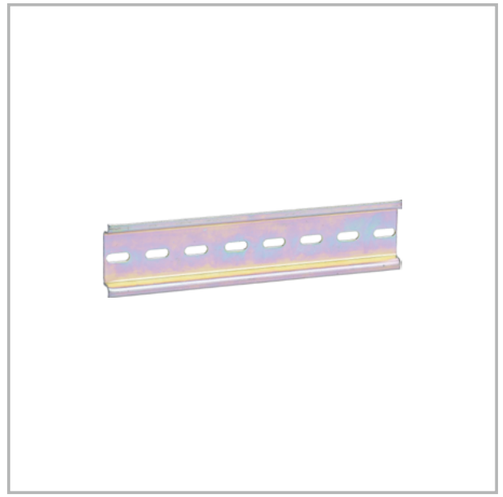
3.2 Regular terminal block shall be formed with sole block.

3.3 Other special requirements shall be noted.

3.4 Ordering example: TC-603 5
Means ordering model is TC, rated current is 60A, and has 3 groups and quantity is 5.

TB	-	□
Terminal Blocks Series		Rated Current&Group count

Rated Current	Group count	Description	Code
60A	3	TC-603	561014
60A	4	TC-604	561015
100A	3	TC-1003	561016
100A	4	TC-1004	561017
150A	3	TC-1503	561018
150A	4	TC-1504	561019
200A	3	TC-2003	561020
200A	4	TC-2004	561021
300A	3	TC-3003	561022
300A	4	TC-3004	561023
400A	3	TC-4003	561024
400A	4	TC-4004	561025
600A	3	TC-6003	561026
600A	4	TC-6004	561027



TH35-7.5(C45) Rail

Note: width 35mm, height 7.5mm, thickness 1mm, width of the groove 4.5mm.

TH35-75	□
DIN Rail	Length

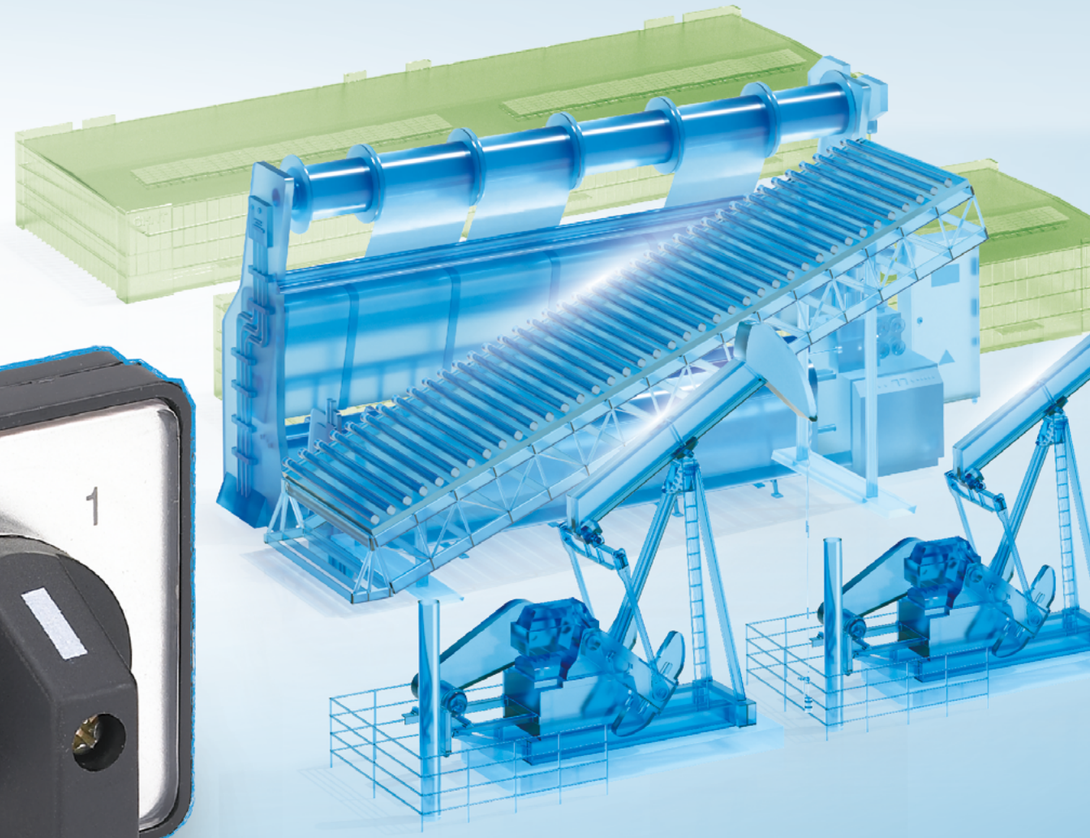
Description	Code
TH35-7.5 2m	570005
TH35-7.5 100cm	570003
TH35-7.5 100cm	570006
TH35-7.5 200cm	570002
TH35-7.5 25CM	570004
TH35-7.5 8CM	564017

B.6 Switch

Datasheet P793~P840







1. Datasheet



LW32
Universal Change-over Switch

1.General

Universal change-over switch of LW32 series is mainly applicable to circuit with alternating current of 50Hz~60Hz, rated operational voltage not more than 380V and DC voltage not more than 220V for remote control or transformation of power distribution equipment, it can also used as change-over switch of various electrical measuring meter and servo moto.
Standard: GB/T 14048.5 IEC 60947-5-1.

2.Type designation

2.1 Type of master control

LW 32 - □ / □ □ /□ /□

- F: With protective enclosure
- Pitch number of contact system
- No, of wiring diagram
- Characteristics code (see Table 3)
- Agreed thermal current(20A)
- Design sequence No.
- Universal change-over switch

2.2 Change-over switch for direct control motor

LW 32 - □/□ □/□/□

- F: With protective enclosure
- Pitch number of contact system
- Application code(see Table 1)
- Rated power of controlled three-phase AC motor
- Agreed thermal current(20A)
- Design sequence No.
- Universal change-over switch

2.3 Technical Parameters
Rated operating voltage: AC380V, DC220V
Rated operating current: AC-15:380V, 2.6A
DC-13:220V,0.27A
Conventional heating current: 20A
Rated insulation voltage: 550V

Table 1

Use code	Use
Q1	Direct starting
N1	Reversible conversion
S1	Two-speed motor shifting
XS	Star delta starting

3.Normal working conditions and installation conditions

3.1 Ambient air temperature
The upper limit of ambient temperature shall not exceed +40℃ , and the lower limit shall not be less than -5℃ ; And the average temperature within 24h shall not exceed +35℃ .

3.2 Altitude
The altitude of the installation site shall be less than 2000m.

3.3 Atmospheric conditions

3.3.1 Humidity
When the maximum temperature is +40 ° C, the relative humidity of the air shall not exceed 50%. Higher relative humidity is allowed at a lower temperature, for example, the humidity can reach 90% at +20 ° C.Special measures should be taken for occasional condensation caused by temperature changes.

3.3.2 Pollution level: Level 3.

3.4 Installation Conditions
Installed in no significant shaking, impact vibration or rain,snow invasion place; Medium without explosion danger; No situations (including conductive dust) sufficient to corrode metal and destroy insulation.

4. Others

Table 2

Large square panel		Small rectangular panel		Small square panel	
Length	Width	Length	Width	Length	Width
64	64	60	48	48	48

4.2 Combination classification based on operation modes and positions of actuator (see Table 3)

Table 3

Use category	Feature code	Self-rehabilitation type
Actuator position	A	0° 30° 0° 45°
	B	30° 0° 30° 45° 0° 45°
Location type	C	0° 90° 0° 30° 0° 45° 0° 60°
	D	90° 0° 90° 30° 0° 30° 45° 0° 45° 60° 0° 60°
	E	90° 0° 90° 180° 30° 0° 30° 60° 45° 0° 45° 90° 60° 30° 30° 60°
	F	60° 30° 0° 30° 60° 90° 45° 0° 45° 90° 150° 90° 30° 30° 90° 150°
	G	60° 30° 0° 30° 60° 90° 90° 45° 0° 45° 90° 135° 90° 30° 30° 90° 150°
	H	90° 60° 30° 0° 30° 60° 90° 135° 90° 45° 0° 45° 90° 135°
	I	90° 60° 30° 0° 30° 60° 90° 120° 135° 90° 45° 0° 45° 90° 135° 180°
	J	120° 90° 60° 30° 0° 30° 60° 90° 120°
	K	120° 90° 60° 30° 0° 30° 60° 90° 120° 150°
	L	150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150°
	M	150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150° 180°
	N	45° 45° 30° 30°
Location	Z	30° 0° 60° 135° 90° 0° 45° 90° 0° 45°

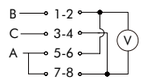
4.3 Handle connections are divided into the following two types.

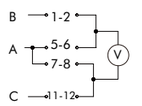

R Type

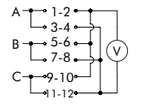

I Type

Wiring diagram on commonly used control switch for voltage and current measurement converter box of LW32 series

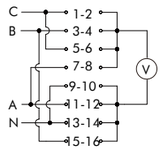
Line voltage phase-change switch

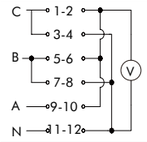
		UAB	UBC	UCA
LW32-20/YH4/2		**90°**	**0°**	**90°**
	1-2	x	×	
	3-4		×	×
	5-6			×
	7-8	x		

		0	UAB	UBC	UCA
LW32-20/YH2/3		**0°**	**90°**	**180°**	**270°**
	1-2		x	x	
	3-4				
	5-6				x
	7-8		x		
	9-10				
	11-12			x	x

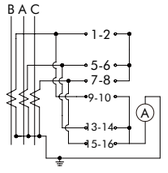
		0	UAB	UBC	UCA
LW32-20/YH3/3		**0°**	**90°**	**180°**	**270°**
	1-2		x	x	
	3-4				
	5-6				x
	7-8		x		
	9-10				
	11-12			x	x

Phase-change switch for three-phase line voltage and three-phase voltage

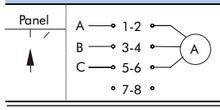
		UCA	UBC	UAB	0	UAN	UBN	UCN
LW32-20/YH5/4		**135°**	**90°**	**45°**	**0°**	**45°**	**90°**	**135°**
	1-2		x					x
	3-4			x			x	
	5-6	x						
	7-8					x		
	9-10					x		x
	11-12	x		x				
	13-14						x	
	15-16		x					

		UCA	UBC	UAB	0	UAN	UBN	UCN
LW32-20/YH5/3		**135°**	**90°**	**45°**	**0°**	**45°**	**90°**	**135°**
	1-2		x					x
	3-4	x						
	5-6						x	
	7-8		x	x				
	9-10	x		x		x		
	11-12					x	x	x

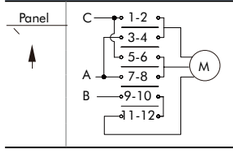
Change-over switch for current measurement

		0	IA	IB	IC
LW32-20/LH3/4		**0°**	**90°**	**180°**	**270°**
	1-2	x	x		x
	3-4				
	5-6	x		x	x
	7-8	x	x	x	
	9-10			x	
	11-12				
	13-14		x		
	15-16				x

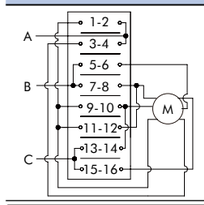
Direct start-up and breaking during operation

		0	1
LW32-20/Q1/2		**0°**	**45°**
	1-2		x
	3-4		x
	5-6		x
	7-8		

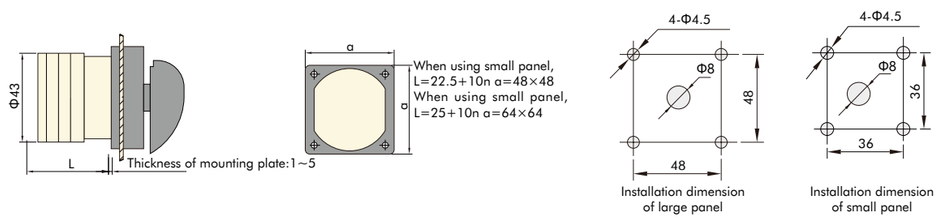
Forward and reverse direct start-up, breaking during operation

		1	0	2
LW32-20/N1/3		**45°**	**0°**	**45°**
	1-2			x
	3-4	x		
	5-6	x		
	7-8			x
	9-10	x		x
	11-12	x		x

Variable-speed switch of two-speed motor

		1	0	2
LW32-20/S1/4		**45°**	**0°**	**45°**
	1-2	×		
	3-4			×
	5-6			×
	7-8	×		
	9-10			×
	11-12			×
	13-14	×		
	15-16			×

5. Overall and mounting dimensions



Note: the product is installed with small panel by default.If large panel is required, it should be customized and marked with"large panel"when ordering.

6. Ordering information

When ordering, the user shall use complete model of switch.
For example: Order universal change-over switch LW32, type of wiring diagram is 100 sets. Order code: LW32-20/D303/2 100 sets.

Wiring diagram No.	**D303**		
Conversion angle	45°	0°	45°
1-2	×		×
3-4	×		
5-6	×		×
7-8			×

LW32	-	□	/	□	□	/	□	/	□
Change-over Switch Series		Agreed thermal current		Characteristic code	No. of wiring diagram		Pitch number of contact system		With protective enclosure

Description	**Code**
LW32-20/1	425009
LW32-20/2	425010
LW32-20/3	425011
LW32-20/4	425012
LW32-20/5	425118
LW32-20/5.5N1/3	425022
LW32-20/Q1/2	425032
LW32-20/5.5S1/4	425117
LW32-20/5.5XS/4	425084
LW32-20/6(rectangular plate)	527077
LW32-20/C02/1	425096
LW32-20/C03/2	425191
LW32-20/C04/2	425020
LW32-20/C06/3	425108
LW32-20/C08/4	425114
LW32-20/C0A/5	425119
LW32-20/C11/1	425098
LW32-20/C11/1(rectangular plate)	514237
LW32-20/C22/2	425100
LW32-20/D101/1	425097
LW32-20/D111/2	425104
LW32-20/D121/1	425193
LW32-20/D202/2	425101
LW32-20/D204/3	425112
LW32-20/D222/3	425107
LW32-20/D303/2	425103
LW32-20/D303/3	425109
LW32-20/D404/3	425113
LW32-20/D404/4	425115
LW32-20/D505/5	425031
LW32-20/LH3/3	425111
LW32-20/LH3/3(rectangular plate)	400907
LW32-20/LH3/4	425015
LW32-20/N5938/3(rectangular plate)	527076
LW32-20/YH1/3	425110
LW32-20/YH2/2	425102
LW32-20/YH2/3	425105
LW32-20/YH3/3	425014
LW32-20/YH4/2	425099
LW32-20/YH5/3	425106
LW32-20/YH5/3(RECT)	425051
LW32-20/YH5/4	425116



NF2
Series Load Switches

1.General

NF2 series load switch (hereinafter referred to as switch), mainly used in electrical circuits with AC 50Hz or 60Hz, rated working voltage up to 690V, and rated working current up to 125A，It can be used to isolate faulty equipment or perform power outage maintenance. It can be used as the main switch of machine tools, fans, and pumps, and can also be used as the start-stop switch of small-capacity motors.
Standards compliant：IEC/EN 60947-3,GB/T 14048.3

2. Type designation

2.1 Load switch model and its meaning

NF2-□/□/□□

- Handle color:R,Grey handle with lock;RY,Red and yellow knob;B,Black straight handle;BR,Black knob (with lock)
- Installation method:DI，Rail installation;H,Single hole panel installation;HH,Mechanical combination; DO,Door lock installation (extension rod); BO,plastic box
- series：3，3P
- Conventional free air heating current
- Design Number
- Load Switch
- Enterprise feature code

Note：4-pole products are realized by means of 3 poles + additional poles.

2.2 Additional pole model and its meaning

NF2-□□□

- Supporting installation form:Unmarked,DI/DO/BO;R,H
- Additional pole type:PS,Sync disconnected;PD,Pre-disconnect;PN,N terminal;PE,Ground wire
- Product shell frame:40,40A and below;80,80A and below;125,125A and below
- Product number

2.3 Auxiliary pole model and its meaning

NF2-□

- Auxiliary pole：P1，1NO+1NC；P2，2NO
- Product number

2.4 Terminal cover model and its meaning

NF2-□□□

- Number of poles:3,3 poles;1,1 pole
- Additional pole type:TS,terminal cover
- Product shell frame: 40, 40A and below; 80, 80A and below; 125, 125A and below
- Product number

3. Normal use and installation conditions

3.1 Normal use conditions

3.1.1 Ambient air temperature:-5℃～+ 40℃ ,and the average temperature within 24h does not exceed+35℃ .

3.1.2 Altitude: The altitude of the installation site does not exceed 2000m.

3.1.3 Humidity: When the highest temperature is+40 ℃ , the relative humidity of the air does not exceed 50%, and higher relative humidity is allowed at lower temperatures, for example, up to 90% at 20 ℃ .Special measures should be taken for the occasional condensation due to temperature changes.

3.1.4 Pollution degree:Level 3.

3.2 Installation conditions

3.2.1 Install in a place where there is no significant shaking, shock and vibration, and no rain or snow;in a medium without explosion hazard;where there is no place that is sufficient to corrode metal and damage insulation (including conductive -dust);

3.2.2 Installation category:Class III.

3.3 Transport and storage conditions

3.3.1The following temperature ranges are suitable for transportation and storage: between-25 ℃ and+55 ℃ .Up to +70℃ in a short time (24h)

Note: When the above-mentioned normal use, installation, transportation and storage conditions are exceeded, the user should reach a special agreement with the company.

4. Technical data

Table 1 Main technical parameters

Model	NF2						
Frame grade	NF2-40			NF2-80		NF2-125	
Rated insulation voltage Ui (V)	800						
Rated impulse withstand voltage Uimp (kV)	8						
Conventional free air heating current Ith (A)	25	32	40	63	80	100	125
Rated working current Ie (A, AC-23A)	25	32	40	63	80	100	125
	25	25	25	63	63	80	100
	25	25	25	40	40	63	63
Rated short-time withstand current Icw,1s (kA)	1.26			1.5		2.75	
Rated short-circuit making capacity Icm(kA)	1.8			2.1		3.9	
Number of poles	3P、3P+N						
Wiring capacity (hard wire,cross-sectional area)(mm^2)	1.5~16			2.5~35		10~70	
Tightening torque of terminal screws (N.m)	1.2~1.4			2.5~2.8		3.5~4	
Electrical life (times)	2000						
Mechanical life (times)	100000						
Protection level	IP20，IP65 (With protective shell)						

Table 2 Main technical parameters of HH mechanical assembly

Model		NF2-HH (mechanical combination)								
Specification		IM2 mechanical combination system: use 6-8 pole combination			IM31 mechanical interlocking structure: for 3/4 pole Ⅰ- Ⅰ+ Ⅱ- Ⅱ			IM32 mechanical interlocking mechanism: used for 3/4 pole Ⅰ-O- Ⅱ conversion		
Rated insulation voltage Ui (V)		800								
Rated impulse withstand voltage Uimp (kV)		8								
Conventional free air heating current Ith (A)		63	80	100	63	80	100	63	80	100
Rated working current Ie (A, AC-23A)	415V	63	80	80	63	80	80	63	80	80
	500V	63	63	63	63	63	63	63	63	63
	690V	40	40	40	40	40	40	40	40	40
Rated short-time withstand current Icw,1s (kA)		1.5								
Number of poles		6、8								
Wiring capacity (hard wire,cross-sectional area)(mm^2)		2.5~35								
Tightening torque of terminal screws (N.m)		2.5~2.8								
Electrical life (times)		2000								
Mechanical life (times)		100000								

5. Structural features and working principle

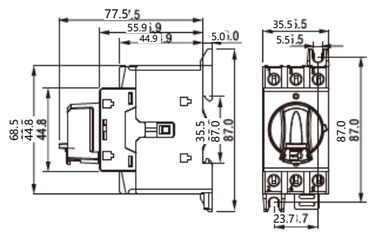
5.1 The switch is mainly composed of a handle, an operating mechanism, a contact system, a shell, and accessories. The operating mechanism adopts spring energy storage, the connection and breaking speed has nothing to do with the speed of the operating handle, ensuring the connection and breaking capacity of the product; the contact system adopts a double-breakpoint bridge structure; the wiring method adopts the wire frame method; the installation method adopts the front panel Installation (rail installation, screw installation), panel installation; the shell is made of flame-retardant reinforced polyamide material, which has good flame-retardant performance, dielectric performance and carbonization resistance.

5.2 The switch 3-pole body adds some standard accessories and can be combined into a 6/8-pole load switch or 3/4-pole transfer switch, and a neutral pole, grounding pole or auxiliary contact can also be added;

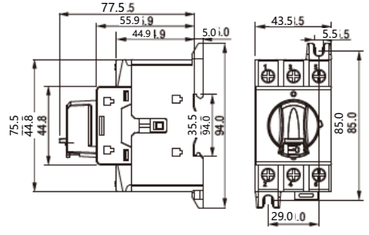
6.Overall and mouting dimensions

The outline and installation dimensions of the switch are shown in following. See the box sticker for model specifications and weight.

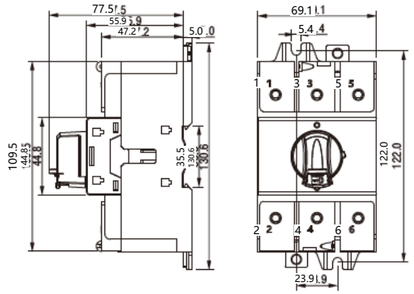
NF2-40/DI



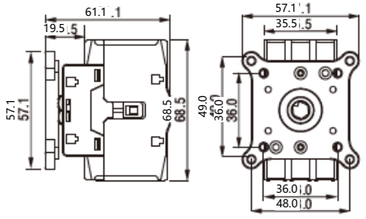
NF2-80/DI



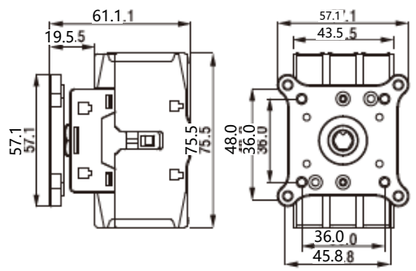
NF2-125/DI



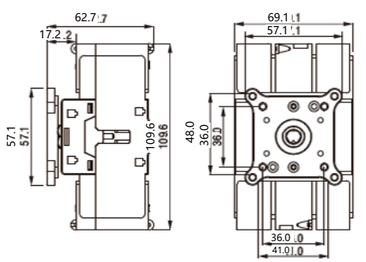
NF2-40/H



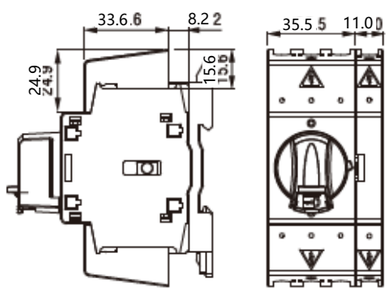
NF2-80/H



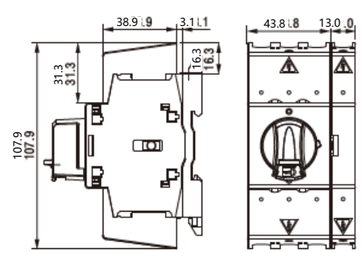
NF2-125/H



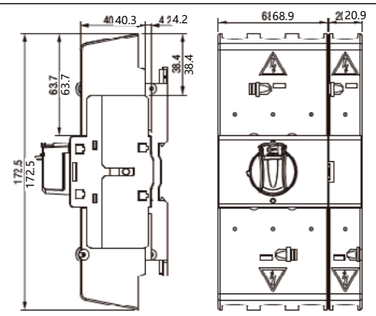
NF2-40/TS



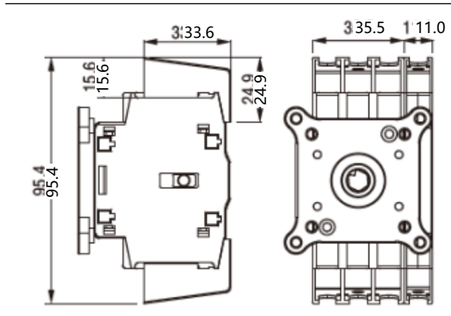
NF2-80/TS



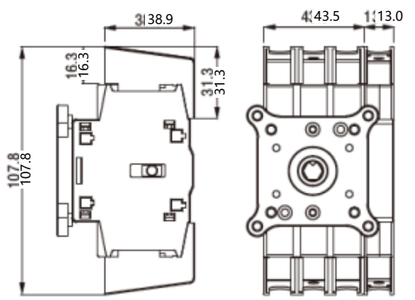
NF2-125/TS



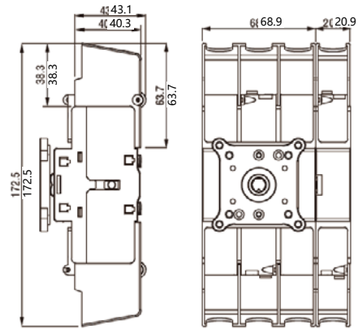
NF2-40/HTS



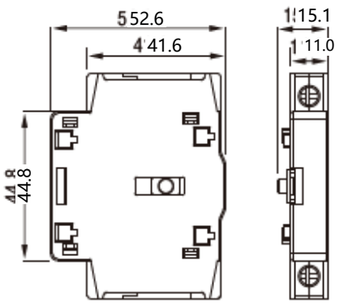
NF2-80/HTS



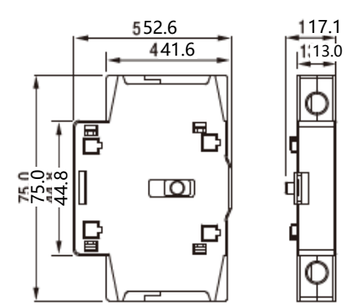
NF2-125/HTS



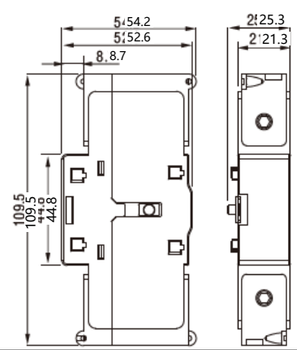
NF2-40/PN\PS\PD\PE



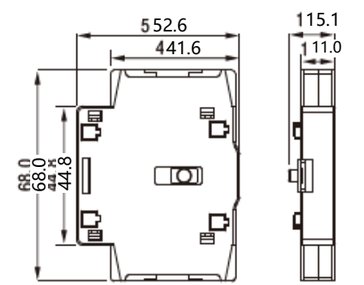
NF2-80/PN\PS\PD\PE



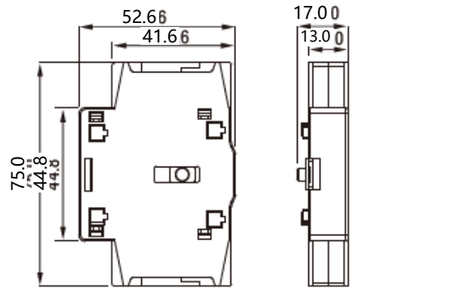
NF2-125/PN\PS\PD\PE



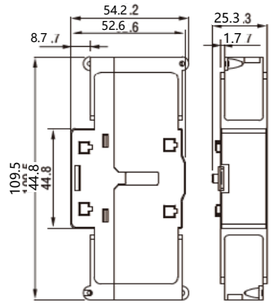
NF2-40/PNR\PSR\PDR\PER



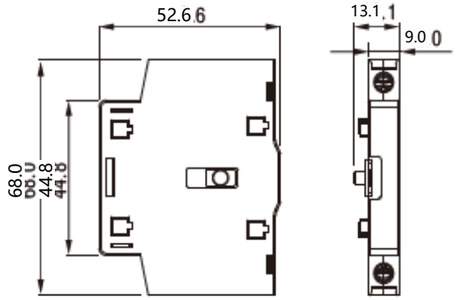
NF2-40/PNR\PSR\PDR\PER



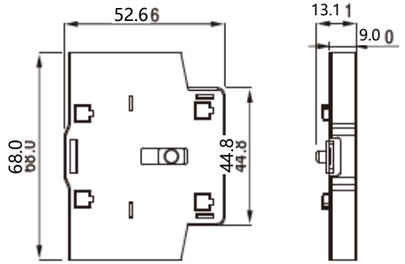
NF2-125/PNR\PSR\PDR\PER



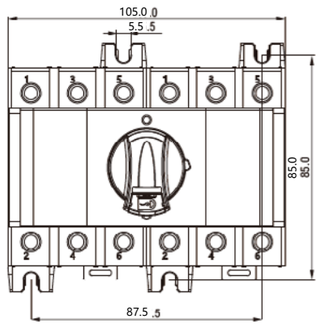
NF2-P1、P2



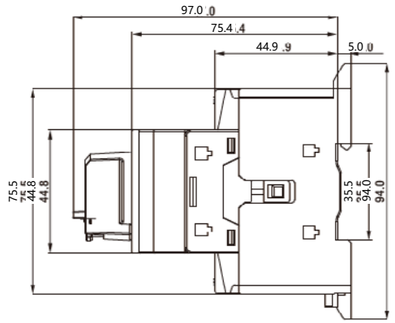
NF2-P1、P2



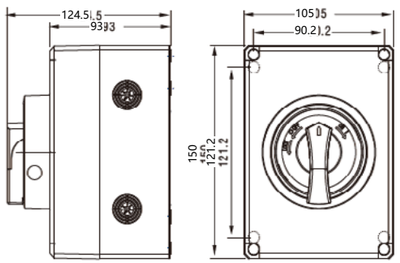
NF2-HH



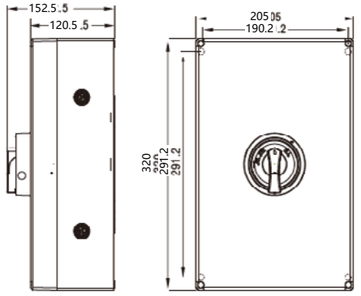
NF2-P1R、P2R



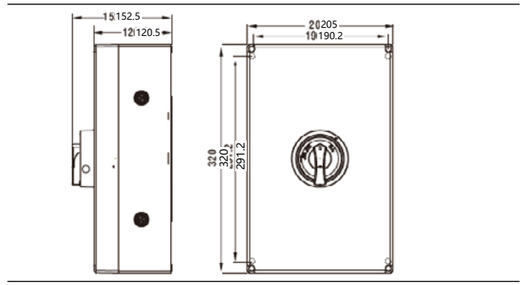
NF2-40/BO



NF2-80/BO



NF2-125/BO



7. Order information

7.1 Check before installation

7.1.1 The technical data on the nameplate meets actual requirements.

7.1.2 Appearance:clean,intact parts, no loose fasteners.

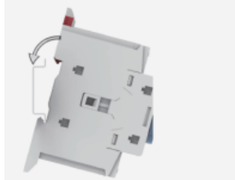
7.1.3 Check the operating performance: perform 3 times of closing and opening operations, the product action is flexible and reliable; the handle points to the"ON"position,all contacts are in the on state; the handle points to the"OFF"position,and all the contacts are in the off state.

7.2 Installation method and precautions

7.2.1 Screw installation: confirm that the switch is in the off state → open a hole on the mounting plate and tap the screw → connect the switch and the mounting plate with screws and tighten

7.2.2 Guide rail installation: confirm that the switch is off → the guide rail is fixed in the cabinet → install the switch as shown in Figure 26

Figure 26 Guide rail installation sketch



7.2.3 Panel installation: confirm that the switch is in the off state → the mounting plate is open → the screw assembly connects the body, the installation panel and the installation plate → the name plate → the cover → the handle → tighten the screw. As shown in Figure 27

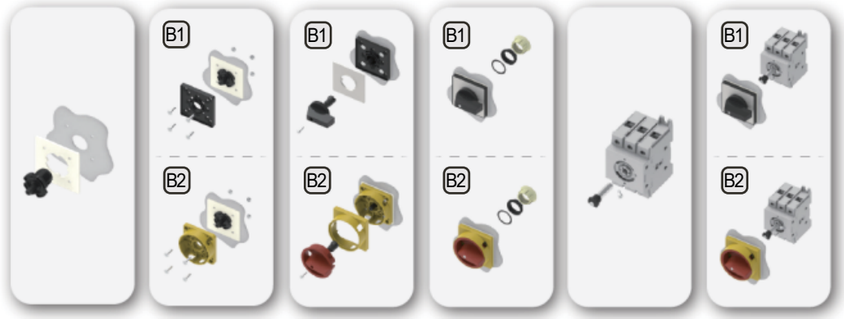


Figure 27 Panel installation sketch

7.2.4 Terminal cover and lock installation: as shown in Figure 28,29

Figure 28 Installation diagram of terminal cover

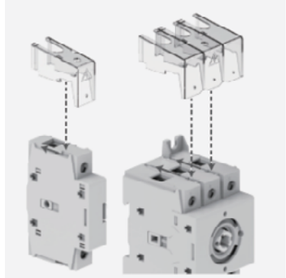
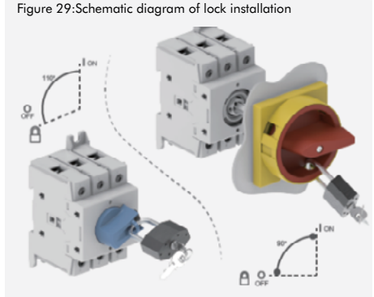


Figure 29:Schematic diagram of lock installation



7.2.5 Additional auxiliary contact/additional fourth pole installation: as shown in Figure 30,31

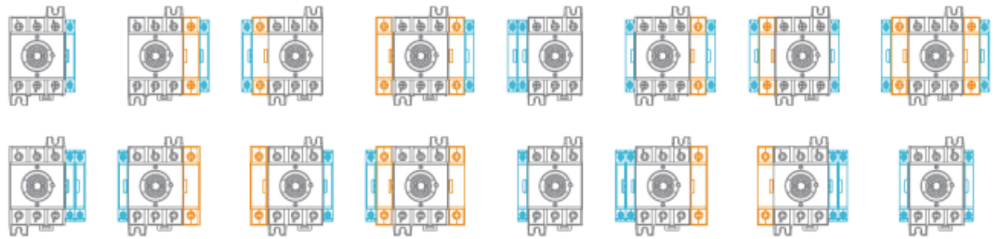


Figure 30 Schematic diagram of accessory pole/auxiliary contact matching

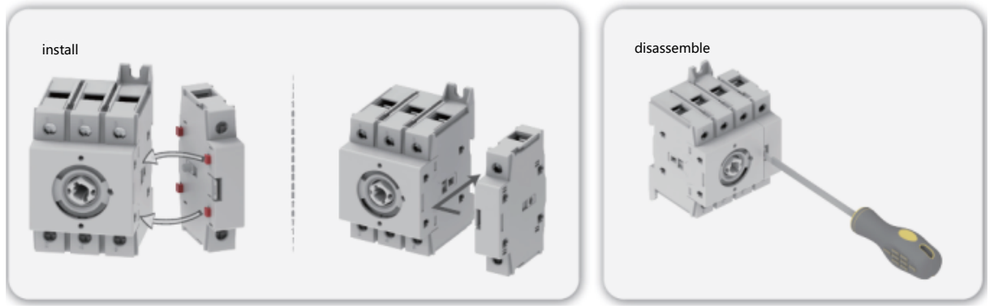


Figure 31 Schematic diagram of attachment pole installation

8.Maintenance and storage period

8.1 Daily maintenance
Take appropriate measures to remove dust, water vapor, conductive dust and corrosive substances. Non-professionals of the company are not allowed to disassemble and repair.

8.2 Maintenance and maintenance during operation

8.2.1 Confirm that the wiring terminals are in good contact, there is no looseness, and the wire connection is reliable.

8.2.2 During use, all parts of the product should be checked frequently to ensure that no moving parts are stuck and fasteners are not loosened to ensure safety and reliability. If the parts are damaged, they should be replaced in time.

8.3 Maintenance cycle
It is recommended to check and maintain it once a month.

8.4 Long-term use and storage period
The product should be disconnected when not in use, and should be stored in a ventilated, dry, non-corrosive gas warehouse. The product or packaging should not be placed directly on the ground to avoid damage.

9.Warranty period and environmental protection and other legal regulations

9.1 Warranty period
Under normal storage and transportation conditions, the product packaging or the product itself is intact, and the product has a warranty period of 24 months from the date of production. The following conditions are not covered by the warranty:

1) Damage caused by improper use, storage and maintenance by the user.

2) Damage caused by the organization or personnel not designated by the company, or the user's disassembly, assembly and maintenance.

3) The product has exceeded the warranty period.

4) Damage caused by force majeure.

9.2 Environmental protection
In order to protect the environment, when this product or its components are scrapped, please dispose of them properly as industrial waste; or hand them to a recycling station for classification, disassembly, recycling, etc. in accordance with relevant national regulations.

10.Ordering instructions

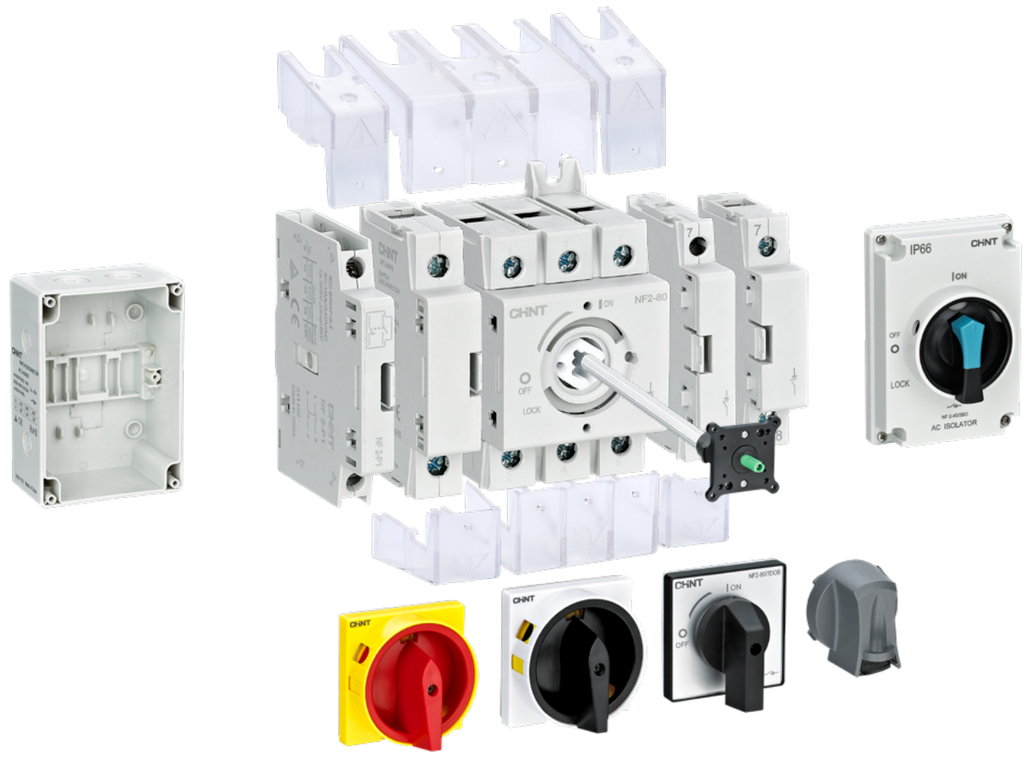
10.1 State the model, number, delivery time, place, unit and consignee when ordering;

10.2 Order example: NF2-25/3HRY 10 units. NF2-25 3-pole single-hole panel mounting 10 sets of red and yellow knobs.

10.2.1 If you need to order a 4-pole product, it should include the main body + additional poles: such as NF2-25/3DIR 10 sets + NF2-40PS 10 sets. NF2-25 3-pole guide rail installation Blue knob 10 sets +40 frame frame Synchronously disconnect 10 sets of additional poles.

10.2.3 If you need to order a 4-pole product + auxiliary, it should include the main body + additional pole + auxiliary pole: such as NF2-32/3DOB 10 sets + NF2-40PD 10 sets + NF2-P1 10 sets. NF2-25 3-pole door lock installation Black straight handle 10 sets +40 shell frame 10 sets of pre-disconnected additional poles + 10 sets of NO1NC auxiliary

11.Accessories overview





YBLX-ME
Travel Switch

1.General

YBLX-ME series travel switches are suitable for control circuit or auxiliary circuit of AC 50Hz (or 60Hz), voltage 380V and DC 220V, with applications including travel control of movement mechanism, switching of movement direction or speed, automatic control of machine tool, and limit action and travel or program control of movement mechanism.
Compliance standards: GB/T14048.5, IEC60947-5-1.

2.Type designation

YB LX- ME/ □

- Mode of operation (shown as in table2)
- Industry code
- Travel switch

3. Technical data

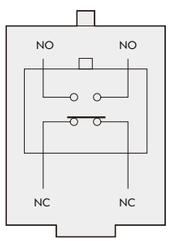


Table 1

Ingress protection	IP62
Operation frequency	20t/min
Ambient temperature	-5℃~+40℃
Relative humidity	When the maximum temperature is +40℃ , the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20℃ , and special measures should be taken for occasional condensation due to temperature changes.
Rated voltage	AC-150.8A;DC-13 0.16A
Rated control current	AC-15 380V;DC-13 220V
Installation category	Ⅱ
Pollution degree	class3
Insulation voltage Ui	415V
Rated impulse withstand voltage Uimp	2.5KV
Altitude	≤2000m
Installation conditions	Install in places without significant shaking and shock vibration

Table 2

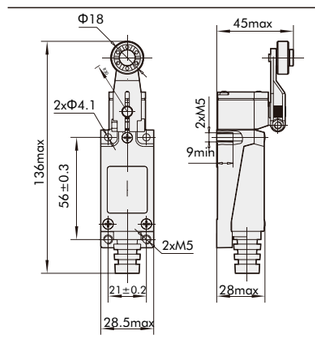
Type(use the recommended type)	Operating modes	Alternative models(stop service)		
YBLX-ME/8104	Roller rotating arm	YBLX-AZ/8104	YBLX-TZ/8104	
YBLX-ME/8107	Adjustable rotating rod	YBLX-AZ/8107	YBLX-TZ/8107	
YBLX-ME/8108	Adjustable roller rotating rod	YBLX-AZ/8108	YBLX-TZ/8108	
YBLX-ME/8111	Direct pressure plunger type	YBLX-AZ/8111	YBLX-TZ/8111	
YBLX-ME/8112	Direct pressure plunger horizontal roller	YBLX-AZ/8112	YBLX-TZ/8112	
YBLX-ME/8122	Direct pressure plunger vertical roller	YBLX-AZ/8122	YBLX-TZ/8122	
YBLX-ME/8166	Universal typel	YBLX-AZ/8166	YBLX-TZ/8166	
YBLX-ME/8169	Universal type II	YBLX-AZ/8169	YBLX-TZ/8169	
YBLX-ME/8101	Universal type III	YBLX-AZ/8101 YBLX-AZ/9101	YBLX-TZ/8101 YBLX-TZ/8101	YBLX-ME/9101

Table 3

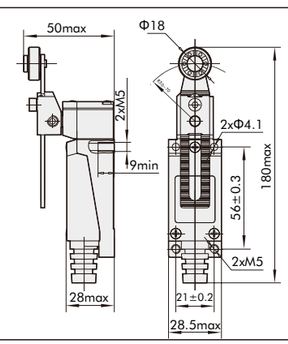
Type	Operating modes	Maximum operating force(max OF)	Maximum operating range(max PT)	Total travel (TT)
YBLX-ME/8104	Roller rotating arm	12N	35°	105°
YBLX-ME/8107	Adjustable rotating rod	12N	35°	105°
YBLX-ME/8108	Adjustable roller rotating rod	12N	35°	105°
YBLX-ME/8111	Direct pressure plunger type	15N	5mm	7mm
YBLX-ME/8112	Direct pressure plunger horizontal roller	20N	5mm	7mm
YBLX-ME/8122	Direct pressure plunger vertical roller	20N	5mm	7mm
YBLX-ME/8166	Universal type I	12N	35°	-
YBLX-ME/8169	Universal type I	12N	35°	-
YBLX-ME/8101	Universal type IIII	12N	35°	-

4. Overall and mounting dimensions

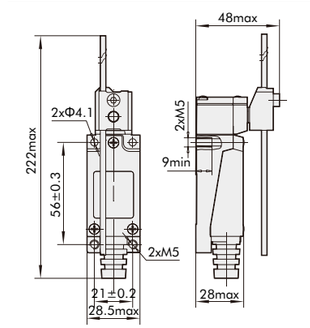
YBLX-ME/8104



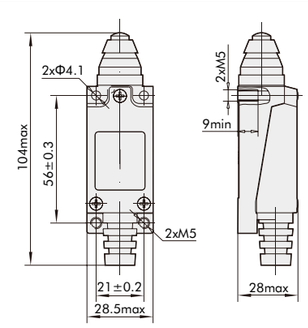
YBLX-ME/8108



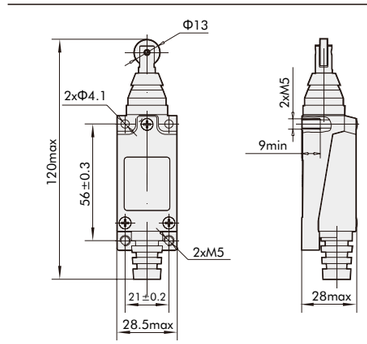
YBLX-ME/8107



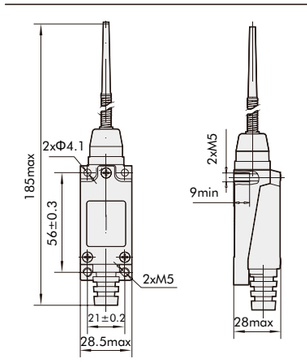
YBLX-ME/8111



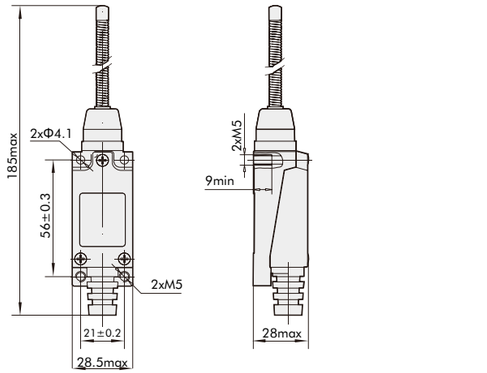
YBLX-ME/8112



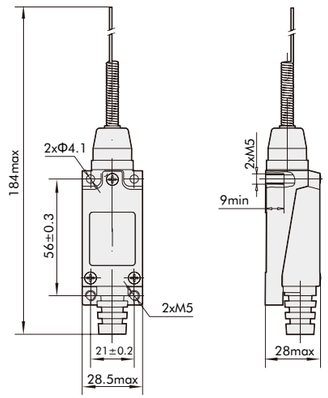
YBLX-ME/8166



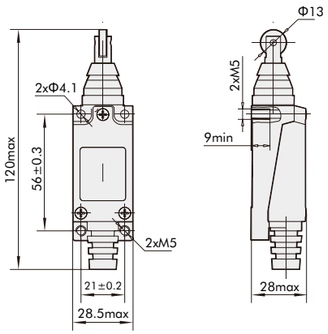
YBLX-ME/8101



YBLX-ME/8169



YBLX-ME/8122



5. Ordering information

When ordering, the user shall specify the switch type, name and quantity.
For example: YBLX-ME/8169 travel switch 100 pieces
User note:

5.1. It is not recommended to use the product over travel, in order to avoid initial damage (such as damage of the inner core of YBLX-ME /8111 and other direct push products, damage of the inner core of YBLX-Me /8101 and other universal products, damage of the rotating arm of YBLX-Me /8108 and other rotating arm products) or reduce the product lifespan.

5.2. It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please
maintain and replace the product regularly.

5.3. The operation speed of the product shall not be extremely fast or slow.

5.3.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.

5.3.2 When the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.4. The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.



YBLX-WL
Travel Switch

1.General

YBLX-WL series travel switches are suitable for control circuit or auxiliary circuit of AC 50Hz (or 60Hz), voltage 380V and DC 220V, with applications including travel control of movement mechanism, switching of movement direction or speed, automatic control of machine tool, and limit action and travel or program control of movement mechanism.
Compliance standards: GB/T14048.5, IEC60947-5-1.

2. Type designation

YB LX - WL/□/□

- Derived code, S2 stands for the spring pendulum type in the needle type pendulum(NJ)
- Mode of operation (shown as in table1)
- Industry code
- Travel switch

Table 1

Type(use the recommended type)	Operating modes	Alternative models(stop service)		
YBLX-WL/CA2	Single-roller rotating arm	YBLX-WL/01CA2	YBLX-WL/ACA2、YBLX-WL/CA12/2	TZ-5104
YBLX-WL/CA12	Adjustable single-roller rotating arm	YBLX-WL/01CA12	YBLX-WL/ACA12	TZ-5108
YBLX-WL/D	Pressure-plunger type	YBLX-WL/01D	YBLX-WL/AD	TZ-5101
YBLX-WL/D2	Plunger-roller type	YBLX-WL/01D2	YBLX-WL/AD2	TZ-5102
YBLX-WL/NJ	Universal typel	YBLX-WL/01NJ	YBLX-WL/ANJ	TZ-5106
YBLX-WL/NJ/S2	Universal type II	YBLX-WL/01NJ/S2	YBLX-WL/ANJ/S2	TZ-5169
YBLX-WL/CL	Adjustable straight-shaft type	YBLX-WL/O1CL	YBLX-WL/ACL	TZ-5107

3. Technical data

Table 2

Ingress protection	IP52
Operation frequency	20t/min
Ambient temperature	-5℃~+40℃
Relative humidity	When the maximum temperature is +40℃ , the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20 ℃ , and special measures should be taken for occasional condensation due to temperature changes.
Rated voltage	AC-15 380V;DC-13 220V
Rated control current	AC-15 0.79A;DC-13 0.15A
Installation category	Ⅱ
Pollution degree	class3
Insulation voltage Ui	415V
Rated impulse withstand voltage Uimp	4KV
Alfitude	≤2000m
Installation conditions	Install in places without significant shaking and shock vibration

Contact type

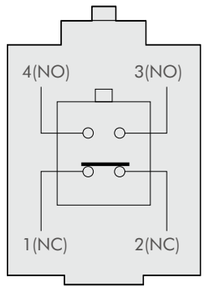
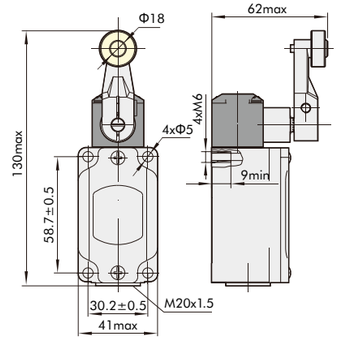


Table 1

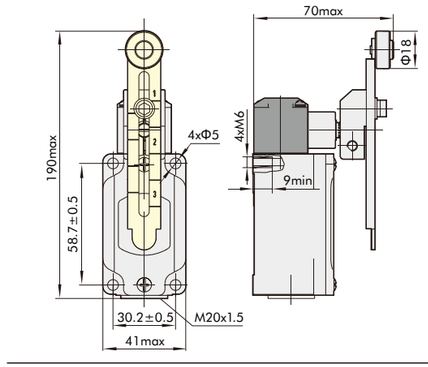
Type \ Operating characteristic	Operating force	Operation range	Total travel
YBLX-WL/CL	≤20N	≤45°	60°
YBLX-WL/CA2	≤20N	≤45	60°
YBLX-WL/CA12	≤20N	°≤45°	60°
YBLX-WL/D	≤30N	≤7.5mm	95mm
YBLX-WL/D2	≤30N	≤7.5mm	95mm
YBLX-WL/NJ	≤16N	≤45°	-
YBLX-WL/NJ/S2	≤16N	≤45°	-

4. Overall and mounting dimensions

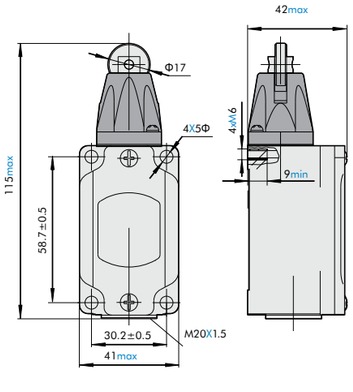
YBLX-WL/CA2



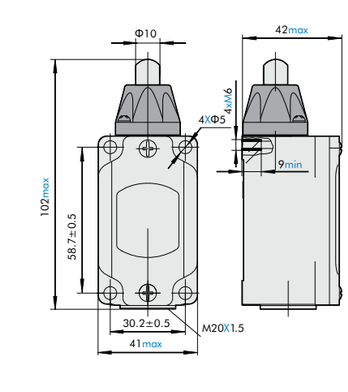
YBLX-WL/CA12



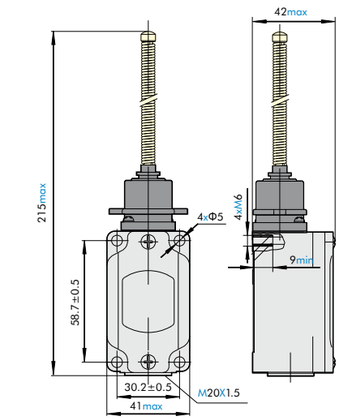
YBLX-WL/D2



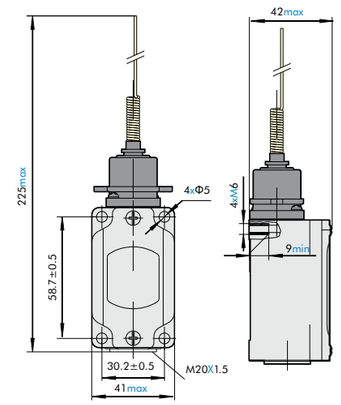
YBLX-WL/D



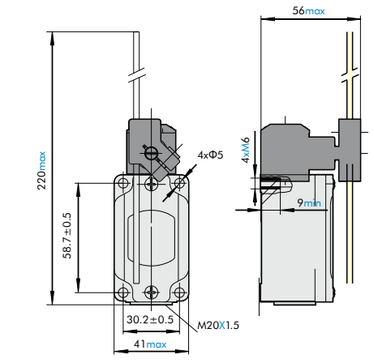
YBLX-WL/NJ



YBLX-WL/NJ/S2



YBLX-WL/CL



5. Ordering information

When ordering, the user shall specify the switch type, name and quantity.
For example: YBLX-WL/CA12 100 pieces
User note:

5.1. It is not recommended to use the product over travel, in order to avoid initial damage (such as damage of the inner core of YBLX-WL/D and other direct push products, damage of the inner core of YBLX-WL/NJ and other universal products, damage of the rotating arm of YBLX-WL/CL and other rotating arm products) or reduce the product lifespan.

5.2. It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please maintain and replace the product regularly.

5.3. The operation speed of the product shall not be extremely fast or slow.

5.3.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.

5.3.2 When the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.4. The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.



YBLX-P1 Travel Switch

1.General

YBLX-P1 series travel switches are suitable for control circuit or auxiliary circuit of AC 50Hz (or 60Hz), voltage 380V、220V、110V and DC 220V, with applications including travel control of movement mechanism, switching of movement direction or speed, automatic control of machine tool, and limit action and travel or program control of movement mechanism.
Compliance standards: GB/T14048.5, IEC60947-5-1.

2. Technical data

YB LX - P 1 / □ □

- Mode of operation(shown as in table2)
- (shown as in table1)
- Industry code
- Travel switch

Contact type

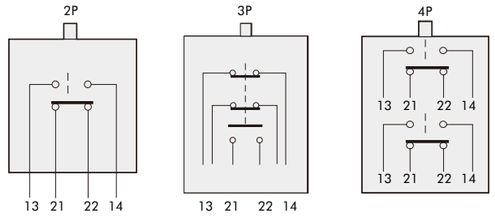


Table 1

100	Bipolar protection travel switch(wide)
120	Bipolar protection travel switch(narrow)
303	Tripolar protection travel switch(wide)
404	Quadrupole protection travel switch(wide)

Table 2

Letter code	**Operation mode**
1B	Post type
1C	Post type,with buffer
1D	Roller post type
1E	Post fork of rotary arm,with buffer
1F	Angle lever,post fork of rotary arm
1G	Post fork of rotary arm
1P	Adjustable metal swing lever
1T	Fork type,double wheel non-self-recovery
1U	Adjustable post fork of rotary arm

3. Technical data

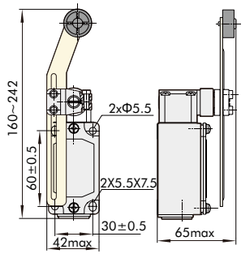
Table 3

Rated working voltage	**AC-15 380V;DC-13 220V**
Rated control current	AC-15 0.8A;DC-13 0.15A
Ingress protection	IP52
Ambient temperature	-5℃~+40℃
Relative humidy	When the maximum temperature is +40℃ , the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20℃ , and special measures should be taken for occasional condensation due to temperature changes.
Alfitude	≤2000m
Installation category	Ⅱ
Pollution degree	class3
Insulation voltage Ui	415V
Rated impulse withstand voltage Uimp	2.5KV
Installation conditions	Install in places without significant shaking and shock vibration

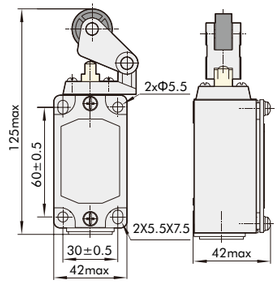
Operating characteristic / Type	**Operating force(max)**	**Operating travel(max)**	**Total travel(TT)**
YBLX-P1/100/1B	40N	5mm	6mm
YBLX-P1/100/1C	40N	6mm	7mm
YBLX-P1/100/1D	40N	6mm	7mm
YBLX-P1/100/1E	30N	5mm	6mm
YBLX-P1/100/1F	30N	5mm	6mm
YBLX-P1/100/1G	30N	45°	60°
YBLX-P1/100/1P	30N	45°	60°
YBLX-P1/100/1U	30N	45°	60°
YBLX-P1/100/1T	45N	80°	-
YBLX-P1/120/1B	40N	5mm	6mm
YBLX-P1/120/1C	40N	6mm	7mm
YBLX-P1/120/1D	40N	6mm	7mm
YBLX-P1/120/1E	30N	5mm	6mm
YBLX-P1/120/1F	30N	5mm	6mm
YBLX-P1/120/1G	30N	45°	60°
YBLX-P1/120/1P	30N	45°	60°
YBLX-P1/120/1U	30N	45°	60°
YBLX-P1/120/1T	45N	80°	-
YBLX-P1/303/1B	45N	4mm	5mm
YBLX-P1/303/1C	45N	6mm	7mm
YBLX-P1/303/1D	45N	6mm	7mm
YBLX-P1/303/1E	30N	5mm	6mm
YBLX-P1/303/1F	30N	5mm	6mm
YBLX-P1/303/1G	30N	45°	60°
YBLX-P1/303/1P	30N	45°	60°
YBLX-P1/303/1U	30N	45°	60°
YBLX-P1/404/1B	45N	5mm	6mm
YBLX-P1/404/1C	45N	6mm	7mm
YBLX-P1/404/1D	45N	6mm	7mm
YBLX-P1/404/1E	30N	5mm	6mm
YBLX-P1/404/1F	30N	5mm	6mm
YBLX-P1/404/1G	30N	45°	60°
YBLX-P1/404/1P	30N	45°	60°
YBLX-P1/404/1U	30N	45°	60°

4. Overall and mounting dimensions

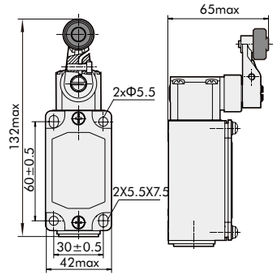
YBLX-P1/120/1U



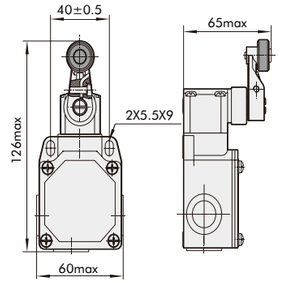
YBLX-P1/120/1E



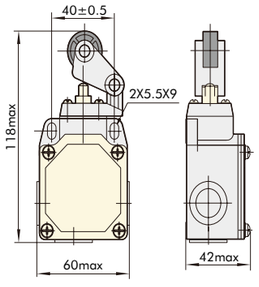
YBLX-P1/120/1G



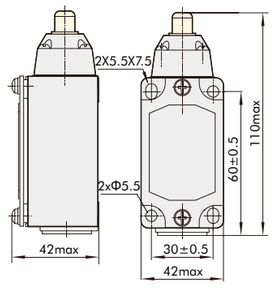
YBLX-P1/100/1G



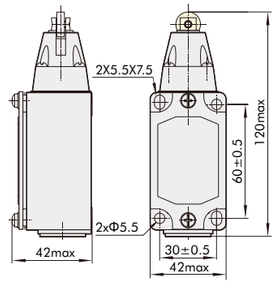
YBLX-P1/100/1E



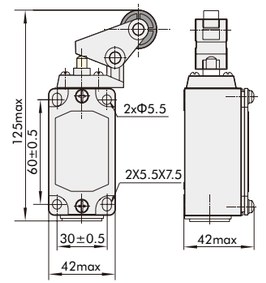
YBLX-P1/120/1C



YBLX-P1/120/1D

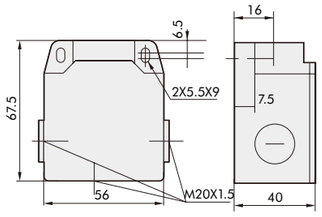


YBLX-P1/120/1F

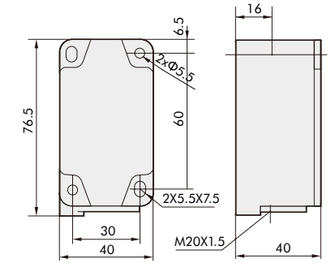


4.1 Protective enclosure

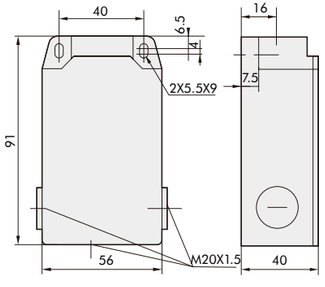
YBLX-P1/100 series



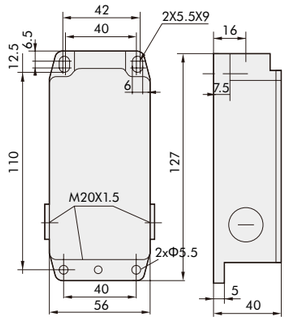
YBLX-P1/120 series



YBLX-P1/303 series

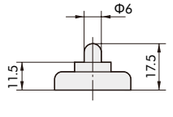


YBLX-P1/404 series



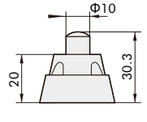
4.2 Type and data of driving head

Category B



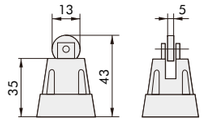
YBLX-P1/100/1B
YBLX-P1/120/1B
YBLX-P1/303/1B
YBLX-P1/404/1B

Category C



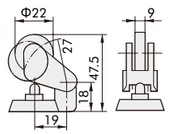
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YBLX-P1/303/1C
YBLX-P1/404/1C

Category D



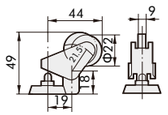
YBLX-P1/100/1D
YBLX-P1/120/1D
YBLX-P1/303/1D
YBLX-P1/404/1D

Category E



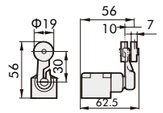
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YBLX-P1/404/1E

Category F



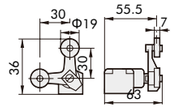
YBLX-P1/100/1F
YBLX-P1/120/1F
YBLX-P1/303/1F
YBLX-P1/404/1F

Category G



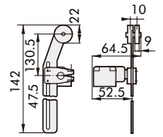
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YBLX-P1/120/1G
YBLX-P1/303/1G
YBLX-P1/404/1G

Category T



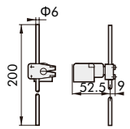
YBLX-P1/100/1T
YBLX-P1/120/1T

Category U



YBLX-P1/100/1U
YBLX-P1/120/1U
YBLX-P1/303/1U
YBLX-P1/404/1U

Category P



YBLX-P1/100/1P
YBLX-P1/120/1P
YBLX-P1/303/1P
YBLX-P1/404/1P

5. Ordering information

When ordering, the user shall indicate the product name, type and quantity.
For example: YBLX-P1/120/1C Travel switch 100 pieces.
User note:
5.1. It is not recommended to use the product over travel, in order to avoid initial damage (such as damage of the inner core of YBLX-P1/120/1B and other direct push products, damage of the rotating arm of YBLX-P1/120/1G and other rotating arm products) or reduce the product lifespan.

5.2. It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please maintain and replace the product regularly.

5.3. The operation speed of the product shall not be extremely fast or slow.

5.3.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.

5.3.2 When the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.4. The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.



YBLX-K1 Travel Switch

1.General

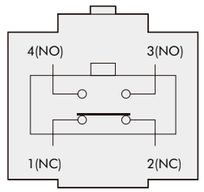
YBLX-K1 series travel switches are suitable for control circuit or auxiliary circuit of AC 50Hz (or 60Hz), voltage 380V and DC 220V, with applications including travel control of movement mechanism, switching of movement direction or speed, automatic control of machine tool, and limit action and travel or program control of movement mechanism.
Compliance standards: GB/T14048.5, IEC60947-5-1.

2. Technical data

YB LX-K 1/ □ 1 1

- 1NC
- 1NO
- "1" single roller rotating arm
  "2" double roller rotating arm, non-automatic reset
  "3" plunger type;
  "4" roller plunger type
  "5" universal type
- Industry code
- Travel switch

Contact type



3. Technical data

Table 1

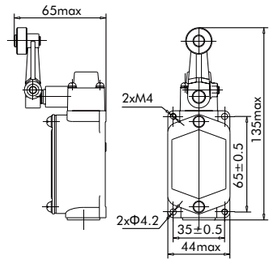
Ingress protection	**IP52**
Conventional thermal current	5A
Rate voltage	AC-15 380V;DC-13 220V
Rate control current	AC-15 0.8A;DC-13 0.15A
Operation frequency	20t/min
Ambient temperature	-5℃~+40℃
Relative humidity	When the maximum temperature is +40 ℃ , the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20℃ , and special measures should be taken for occasional condensation due to temperature changes.
Altitude	≤2000m
Installation category	Ⅱ
Pollution degree	class3
Insulation voltage Ui	415V
Rated impulse withstand voltage Uimp	2.5KV
Installation conditions	Install in places without significant shaking and shock vibration

Table 2

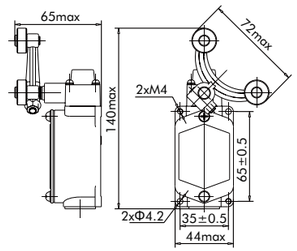
Type / Operating characteristic	**YBLX-K1/111**	**YBLX-K1/211**	**YBLX-K1/311**	**YBLX-K1/411**	**YBLX-K1/511**
Maximum operating force(max OF)	15N	20N	20N	20N	15N
Maximum operating range(max TP)	45°	70°	5mm	5mm	45°
Total travel(TT)	60°	-	6mm	6mm	-

4. Overall and mounting dimensions

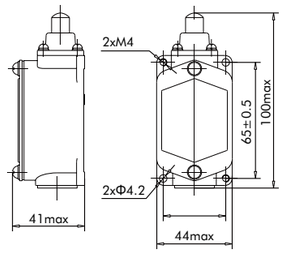
YBLX-K1/111



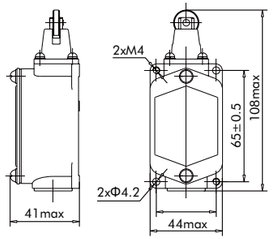
YBLX-K1/211



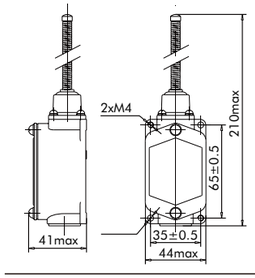
YBLX-K1/311



YBLX-K1/411



YBLX-K1/511



5. Ordering information

When ordering, the user shall indicate the product name, type and quantity.
For example: YBLX-K1/111 Travel switch 100 pieces.
User note:
5.1. It is not recommended to use the product over travel, in order to avoid initial damage (such as damage of the inner core of YBLX-K1/311 and other direct push products, damage of the inner core of YBLX-K1/511 and other universal products, rotating arm of YBLX-K1/111 and other rotating arm products) or reduce the product lifespan.

5.2. It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please maintain and replace the product regularly.

5.3. The operation speed of the product shall not be extremely fast or slow.

5.3.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.

5.3.2 When the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.4. The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.



YBLX-K3 Travel Switch

1.General

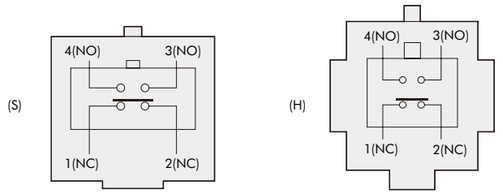
YBLX-K3 series travel switches are suitable for control circuit or auxiliary circuit of AC 50Hz (or 60Hz), voltage 380V and DC 220V, with applications including travel control of movement mechanism, switching of movement direction or speed, automatic control of machine tool, and limit action and travel or program control of movement mechanism.
Compliance standards: GB/T14048.5, IEC60947-5-1.

2. Technical data

YB LX K3/ 20 □ /□

- Mode of operation (as shown in table1)
- Shell protection form
  S: Vertical protective shell, with an outlet hole at the bottom;
  H: Horizontal protective shell with one outlet hole at the bottom and on both sides
- Design code
- Industry code
- Travel switch

Contact type



3. Technical data

Table 1

Symbol	Operation modes
Z	Plunger type
L	Roller plunger type
B	Roller jib type
T	Adjustable roller jib type
D	Flexible rocker type
J	Adjustable metal rocker type
H1	"cross" type,two wheels are in the same direction(upper left,upper right)
H2	"cross"type,left wheel is the front and the right wheel is on the back(upper left,lower right)
H3	"cross"type,left wheel is the front and the right wheel is on the back (lower left,upper right)
W	Universal type

3. Technical data

Table 2

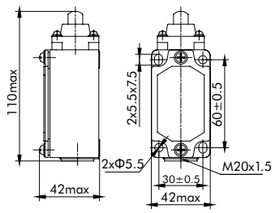
Ingress protection	**IP52**
Rate voltage	AC-15 380V;DC-13 220V
Rate control current	AC-15 0.8A;DC-13 0.15A
Operation frequency	20t/min
Ambient temperature	-5℃~+40℃
Relative humidity	When the maximum temperature is +40℃ , the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20℃ , and special measures should be taken for occasional condensation due to temperature changes.
Altitude	≤2000m
Installation category	Ⅱ
Pollution degree	class3
Insulation voltage Ui	415V
Rated impulse withstand voltage Uimp	2.5KV
Installation conditions	Install in place without significant shaking or shock vibration

Table 3

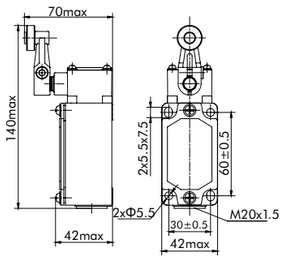
Type / **Operating. characteristic**	**YBLX-K3/20$^{S}_{H}$/Z** **YBLX-K3/20$^{S}_{H}$/L**	**YBLX-K3/20$^{S}_{H}$/B** **YBLX-K3/20$^{S}_{H}$/T** **YBLX-K3/20$^{S}_{H}$/J**	**YBLX-K3/20$^{S}_{H}$/D**	**YBLX-K3/20$^{S}_{H}$/H1** **YBLX-K3/20$^{S}_{H}$/H2** **YBLX-K3/20$^{S}_{H}$/H3**	**YBLX-K3/20$^{S}_{H}$/W**
Maximum operating force(max OF)	30N	20N	20N	30N	20N
Maximum operating range(max PT)	5mm	45°	45°	80°	45°
Total Travel(TT)	7mm	65°	65°	-	-

4. Overall and mounting dimensions

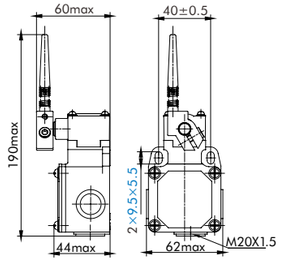
YBLX-K3/20S/Z



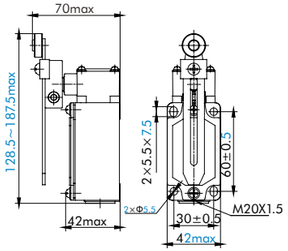
YBLX-K3/20S/B



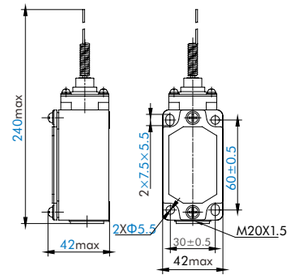
YBLX-K3/20H/D



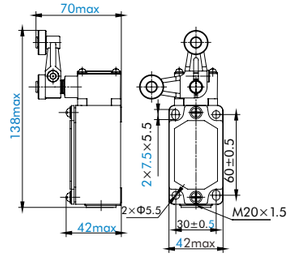
YBLX-K3/20S/T



YBLX-K3/20S/W



YBLX-K3/20S/H1



5. Ordering information

When ordering, the user shall specify the product name, type and quantity.
For example: YBLX-K3/20S/T Travel switch 100 pieces
User note:

5.1. It is not recommended to use the product over travel, in order to avoid initial damage (such as damage of the inner core of YBLX-K3/20S/Z and other direct push products, damage of the inner core of YBLX-K3/20S/W and other universal products, damage of the rotating arm of YBLX-K3/20S/T and other rotating arm products) or reduce the product lifespan.

5.2. It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please maintain and replace the product regularly.

5.3. The operation speed of the product shall not be extremely fast or slow.

5.3.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.

5.3.2 When the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.4. The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.



YBLX-19 Travel Switch

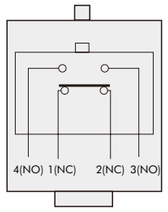
1.General

YBLX-19 series travel switches are suitable for control circuit or auxiliary circuit of AC 50Hz (or 60Hz), voltage 220V and DC 220V, with applications including travel control of movement mechanism, switching of movement direction or speed, automatic control of machine tool, and limit action and travel or program control of movement mechanism.
Compliance standards: GB/T14048.5, IEC60947-5-1.

2. Type designation

YBLX - 19/□ □ □ □ □

- Derived model: "B" rubber wheel
- "1 "automatically resets
  "2" does not automatically reset
- "0" straight acting
  "1"roller is installed inside the transmission rod;
  "2"roller is installed on the outside of the transmission rod;
  "3"roller is installed in the groove of the transmission rod or inside and outside one
- "0" no roller;
  "1"single roller;
  "2" double roller;
- Design code
- Travel switch



3. Technical data

Table 1

level of protection	IP52
Conventional thermal current	5A
Rated voltage	AC 220V;DC 220V
Rated control current	AC 0.79A;DC 0.1A
Frequency of operation	20t/min
Installation category	Ⅱ
Pollution degree	class3
Insulation voltage Ui	250V
Rated impulse withstand voltage Uimp	2.5KV
Ambient temperature	-5℃~+40℃
Relative humidity	When the maximum temperature is +40 ℃ , the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20 ℃ , and special measures should be taken for occasional condensation due to temperature changes.
Altitude of sea level	≤2000m
Installation conditions	Install in place without significant shaking or shock vibration

Table 2

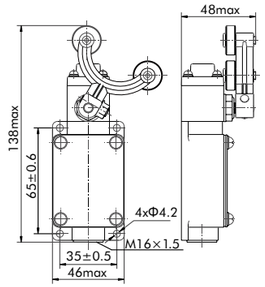
Type / Operating characteristic	YBLX-19/001	YBLX-19/111 YBLX-19/121 YBLX-19/131 YBLX-19/111B	YBLX-19/212 YBLX-19/222 YBLX-19/232
Max of atuating force	16	20N	25N
Max of Operation range	7mm	45°	80°
Total travel(TT)	9mm	60°	-

Table 3

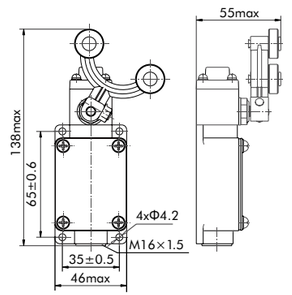
Type	Structure and installation of drive
YBLX-19/001	Plunger
YBLX-19/111	A wheel mounted inside the "-"shaped pivot arm
YBLX-19/121	A wheel mounted outside the "-"shaped pivot arm
YBLX-19/131	A wheel mounted in the groove of the "-"shaped pivot arm
YBLX-19/212	Two roller are installed on internal side of "Cross"shaped rotating arm(Lower left Lower right)
YBLX-19/222	Two roller are installed on internal side of "Cross"shaped rotating arm(Upper left,Upper right)
YBLX-19/232	Two roller are installed on "Cross"shaped rotating arm,One on the internal side and the other on the external side(Lower left,Upper right)

4. Overall and mounting dimensions

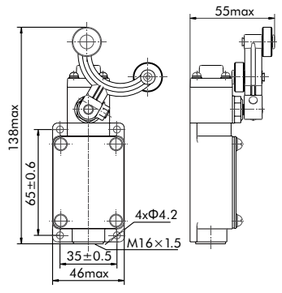
YBLX-19/212



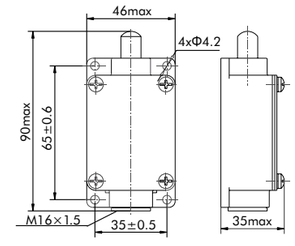
YBLX-19/222



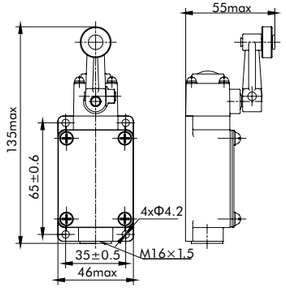
YBLX-19/232



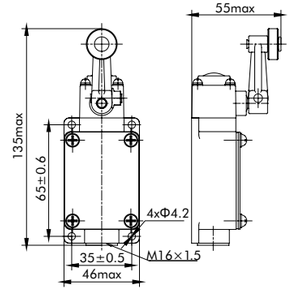
YBLX-19/001



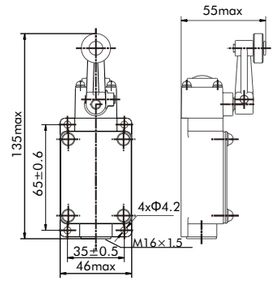
YBLX-19/111



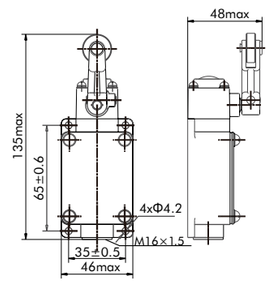
YBLX-19/111B



YBLX-19/121



YBLX-19/131



5. Ordering information

Please explain the model of switch, names and numbers when customers order
Such as: YBLX-19/111 Travel switch 100 peaces
User note:
5.1. It is not recommended to use the product over travel, in order to avoid initial damage (such as damage of YBLX-19/001 and other direct push products, damage of YBLX-19/111 and other universal products) or reduce the product lifespan.

5.2. It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please maintain and replace the product regularly.

5.3. The operation speed of the product shall not be extremely fast or slow.

5.3.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.

5.3.2 When the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.4. The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.

YBLX	-	□	/	□
Travel Switch		Industry code		Mode of operation

Description	Code
YBLX-19/001	445011
YBLX-19/111	445012
YBLX-19/111B (Roller-rubber)	267642
YBLX-19/121	445013
YBLX-19/131	445014
YBLX-19/212	445015
YBLX-19/222	445016
YBLX-K1/111	441025
YBLX-K1/111	441038
YBLX-K1/211	441026
YBLX-K1/211	441041
YBLX-K1/311	441027
YBLX-K1/311	441039
YBLX-K1/411	441028
YBLX-K1/411	441037
YBLX-K1/511	441024
YBLX-K1/511	441040
YBLX-K3/20H/B	439030
YBLX-K3/20H/D	439032
YBLX-K3/20H/H1	439036
YBLX-K3/20H/H2	439037
YBLX-K3/20H/H3	439038
YBLX-K3/20H/J	439033
YBLX-K3/20H/L	439034
YBLX-K3/20H/T	439031
YBLX-K3/20H/W	439039
YBLX-K3/20H/Z	439035
YBLX-K3/20S/B	439021
YBLX-K3/20S/D	439020
YBLX-K3/20S/H1	439026
YBLX-K3/20S/H2	439027

Description	Code
YBLX-K3/20S/H3	439028
YBLX-K3/20S/J	439023
YBLX-K3/20S/L	439024
YBLX-K3/20S/T	439022
YBLX-K3/20S/T	439041
YBLX-K3/20S/W	439029
YBLX-K3/20S/W	439042
YBLX-K3/20S/Z	439025
YBLX-ME/8101	443010
YBLX-ME/8101	443025
YBLX-ME/8104	443011
YBLX-ME/8104	443024
YBLX-ME/8107	443012
YBLX-ME/8107	443026
YBLX-ME/8108	443013
YBLX-ME/8108	443022
YBLX-ME/8108 (Roller-metal)	267643
YBLX-ME/8108(Roller-L)	443021
YBLX-ME/8111	443014
YBLX-ME/8111	443023
YBLX-ME/8112	443015
YBLX-ME/8112	443027
YBLX-ME/8122	443016
YBLX-ME/8122	443029
YBLX-ME/8166	443017
YBLX-ME/8166	443030
YBLX-ME/8169	443018
YBLX-ME/8169	443028
YBLX-P1/100/1B	437063
YBLX-P1/100/1C	437050
YBLX-P1/100/1C	437092
YBLX-P1/100/1D	437044
YBLX-P1/100/1D	437093
YBLX-P1/100/1E	437047
YBLX-P1/100/1E	437088
YBLX-P1/100/1F	437053
YBLX-P1/100/1F	437096
YBLX-P1/100/1G	437041
YBLX-P1/100/1G	437091
YBLX-P1/100/1P	437066
YBLX-P1/100/1T	437058

Description	Code
YBLX-P1/100/1U	437056
YBLX-P1/120/1C	437072
YBLX-P1/120/1C	437085
YBLX-P1/120/1D	437070
YBLX-P1/120/1D	437086
YBLX-P1/120/1E	437071
YBLX-P1/120/1E	437089
YBLX-P1/120/1F	437073
YBLX-P1/120/1F	437094
YBLX-P1/120/1G	437069
YBLX-P1/120/1G	437090
YBLX-P1/120/1P	437075
YBLX-P1/120/1T	437077
YBLX-P1/120/1U	437074
YBLX-P1/120/1U	437087
YBLX-P1/303/1B	437064
YBLX-P1/303/1C	437051
YBLX-P1/303/1D	437045
YBLX-P1/303/1E	437048
YBLX-P1/303/1F	437054
YBLX-P1/303/1G	437042
YBLX-P1/303/1U	437057
YBLX-P1/303/1U	437095
YBLX-P1/404/1B	437065
YBLX-P1/404/1C	437052
YBLX-P1/404/1D	437046
YBLX-P1/404/1E	437049
YBLX-P1/404/1G	437043
YBLX-P1/404/1P	437068
YBLX-WL/CA12	468017
YBLX-WL/CA12	468025
YBLX-WL/CA2	468016
YBLX-WL/CL	468010
YBLX-WL/D	468013
YBLX-WL/D2	468023
YBLX-WL/D2	468024
YBLX-WL/D2 90°	468009
YBLX-WL/NJ	468018
YBLX-WL/NJ	468026
YBLX-WL/NJ/S2	468008



YBLXW-5 Microswitch

1.General

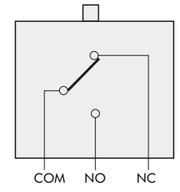
YBLXW-5 series micro switches are suitable for control circuit or auxiliary circuit of AC 50Hz (or 60Hz), voltage 380V and DC 220V,with applications including travel control, limit protection and interlocking of various mechanical equipment such as machinery, textile, light industry, and electronic instrument.
Compliance standards: GB/T14048.5, IEC60947-5-1.

2. Type designation

YBLXW -5/ 1 1 □

- Mode of operation (as shown in Table1)
- 1NC
- 1NO
- Design code
- Microswitch

Contact type



3. Technical data

Level of protection	IP52	
Operation frequency	20t/min	
Load	Ordinary type	AC-15 380V;DC-13 220V
		AC-15 0.79A;DC-13 0.14A
Speed of operation	0.1mm/s~0.5mm/s	
Contact resistance	≤100mΩ	
Evironment temprature	-5℃ ~+40℃	
Relative humidity	When the maximum temperature is +40 ℃ , the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20℃ , and special measures should be taken for occasional condensation due to temperature changes.	
Altitude	≤2000m	
Installation conditions	Install in place without significant shaking and shock vibration.	
Installation category	Ⅱ	
Pollution degree	class3	
Insulation voltage Ui	415V	
Rated impulse withstand voltage Uimp	2.5KV	
Installation conditions	Install in place without significant shaking and shock vibration.	

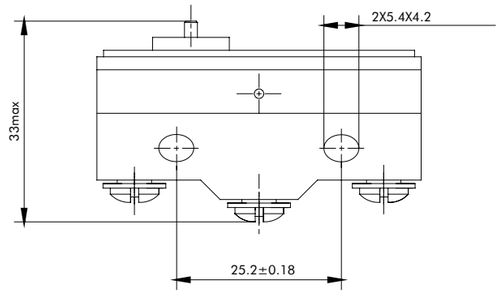
Model	Operating mode
YBLXW-5/11Z	Handspike plunger type
YBLXW-5/11N2	Compression bar type
YBLXW-5/11G2	Roller compression bar type
YBLXW-5/11D1	Short spring–loaded plunger type
YBLXW-5/11M	Panel mounting plunger type
YBLXW-5/11Q1	Panel mounting roller plunger type
YBLXW-5/11Q2	Panel mounting landscape roller plunger type
YBLXW-5/11N1	Hinge rail type
YBLXW-5/11G1	Hinge roller long rail type
YBLXW-5/11G2277	Double hinged single direction roller short cross bar type
YBLXW-5/11G3	Hinged one-way roller long cross bar type
YBLXW-5/11GS	Fine push rod type

Performance characteristic \ Model	YBLXW-5/11Z	YBLXW-5/11D1	YBLXW-5/11M	YBLXW-5/11Q1	YBLXW-5/11Q2	YBLXW-5/11GS	YBLXW-5/11G2277
Movement(OF)	≤10N	≤10N	≤10N	≤10N	≤10N	≤10N	≤7N
Movement route	<1.2mm	<3.2mm	1.2±0.9mm	1.2±0.9mm	1.2±0.9mm	1.5mm	3mm
Total travel	1.5mm	3.5mm	4mm	4mm	4mm	1.8mm	3.5mm

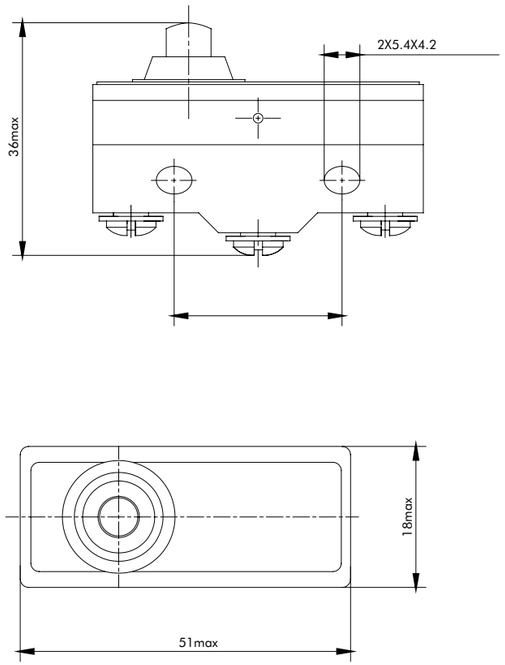
Performance characteristic \ Model	YBLXW-5/11N1	YBLXW-5/11N2	YBLXW-5/11G1	YBLXW-5/11G2	YBLXW-5/11G3
Movement(OF)	≤6N	≤7N	≤6N	≤7N	≤6N
Movement route	≤12mm	≤6mm	≤8.5mm	≤4mm	7mm
Total travel	13mm	7mm	9.5mm	5mm	8mm

4. Overall and mounting dimensions

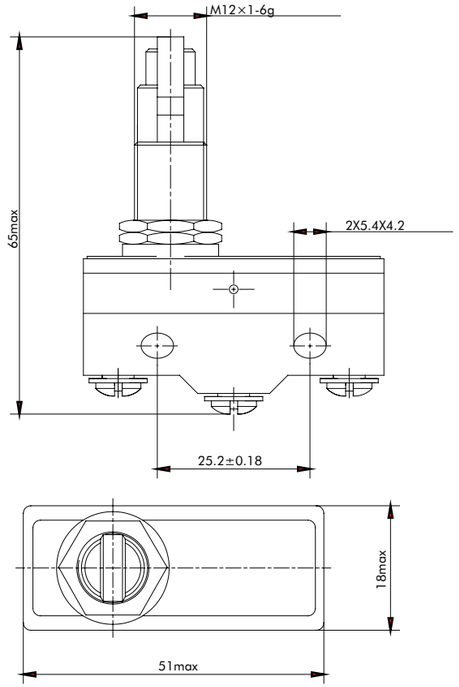
YBLXW-5/11Z



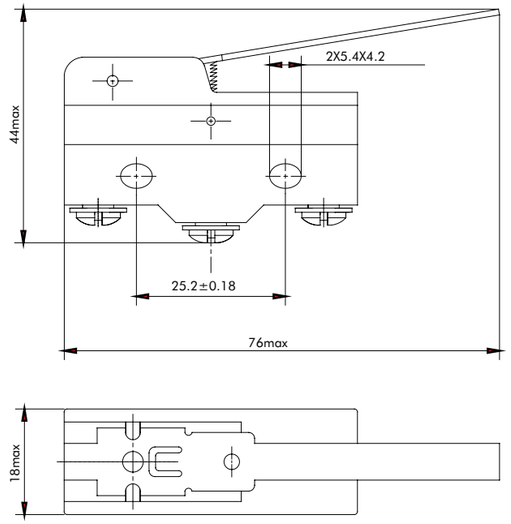
YBLXW-5/11D1



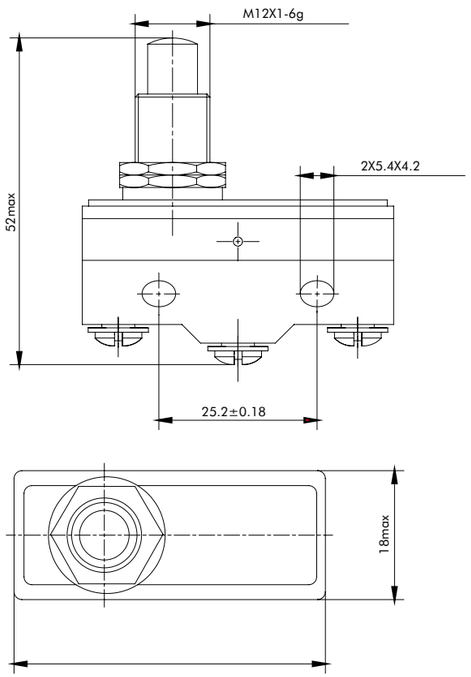
YBLXW-5/11Q2

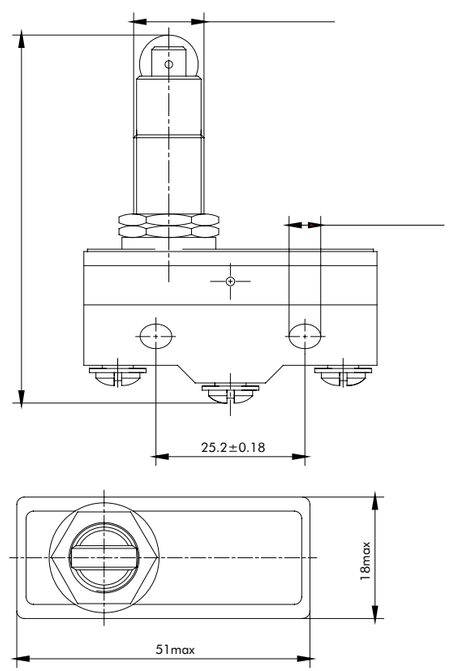


YBLXW-5/11N1

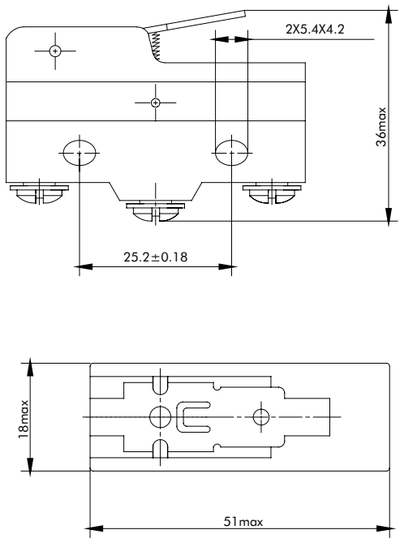


YBLXW-5/11M

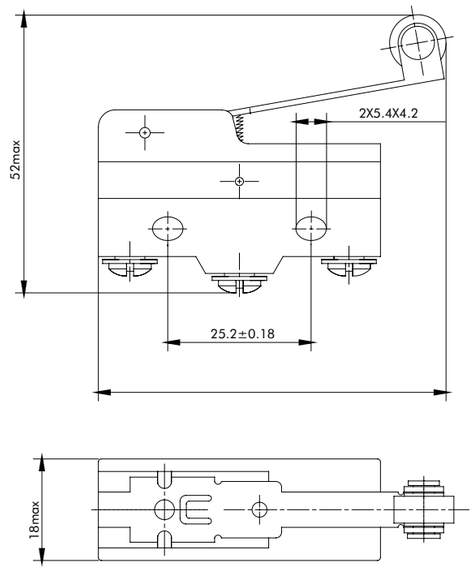




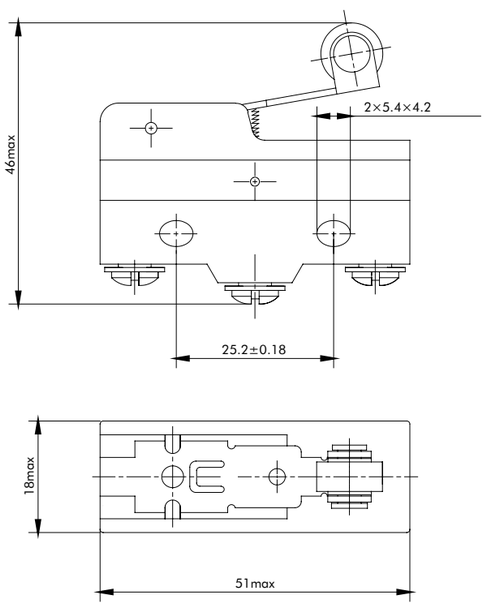
YBLXW-5/11N2



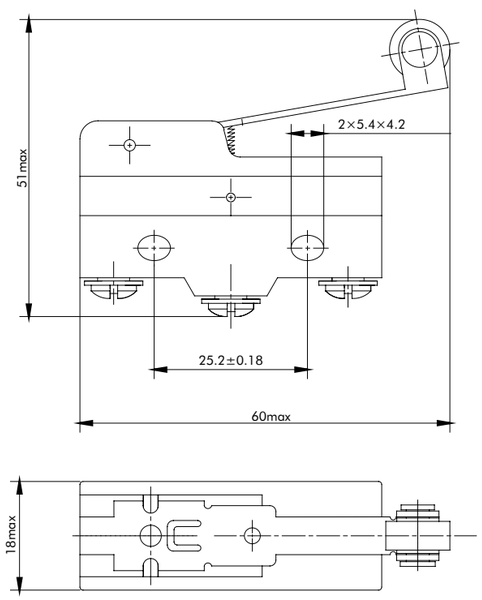
YBLXW-5/11G1



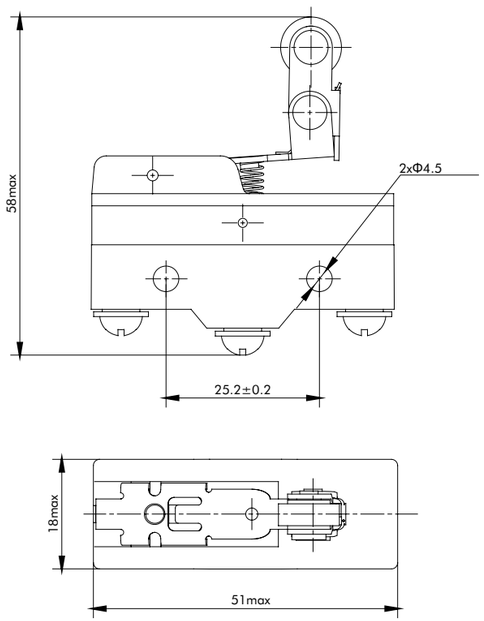
YBLXW-5/11G2



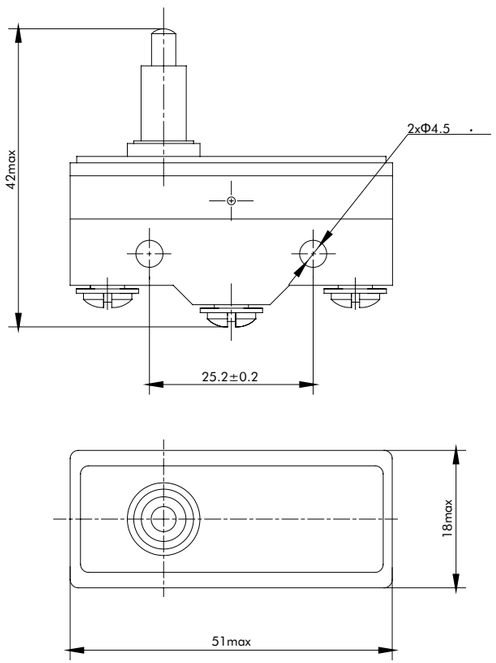
YBLXW-5/11G3



YBLXW-5/11G2277



YBLXW-5/11GS



5. Ordering information

5.2.1 Please do not use the product in places where exposed to hot water (above 40 degrees) or in water vapor.

5.2.2 Please do not directly immerse the product in oil or water.

5.2.3 Please install the product at location where vibration and impact will not be applied and in direction where resonance will not occur.

5.2.4 YBLXW-5/11N1, 5/11N2, 5/11G1, 5/11G2, 5/11G3, 5/11G2277 has six specifications of products with levers. Users may not adjust the levers by themselves during installation to prevent the products from malfunctioning such as non-operating.

5.2.5 It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please maintain and replace the product regularly.

5.2.6 The operation speed of the product shall not be extremely fast or slow.

5.2.6.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.

5.2.6.2 When the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.2.6.3 The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.



YBLXW-6 Microswitch

1.General

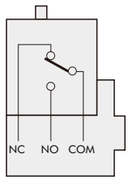
YBLXW-6 series micro switches are suitable for control circuit or auxiliary circuit with 50Hz(or 60Hz), voltage 380V and DC 220V, with applications including travel control, limit protection and interlocking of various mechanical equipment such as machinery, textile, light industry and electronic instrument.
Compliance standards: GB/T14048.5, IEC60947-5-1.

2. Type designation

YBLXW -6 /1 1 □

- Mode of operation (Shown as in Table 1)
- 1NC
- 1NO
- Design code
- Microswitch

Contact type



2. Type designation

	IP52
Nominal voltage	AC-15380V; DC-13220V
Nominal current	AC-150.79A; DC-130.14A
Operation frequency	20t/min
Operating speed	0.1mm/s ~0.5mm/s
Environment temprature	-5℃~+40℃
Related humidity	When the maximum temperature is +40℃, the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20w℃, and special measures should be taken for occasional condensation due to temperature changes.
Altitude	≤2000m
Installation category	Ⅱ
Pollution degree	class3
Insulation voltage Ui	415V
Rated impulse withstand voltage Uimp	2.5KV
Installation conditions	Install in place without significant shaking and shock vibration

Table 1

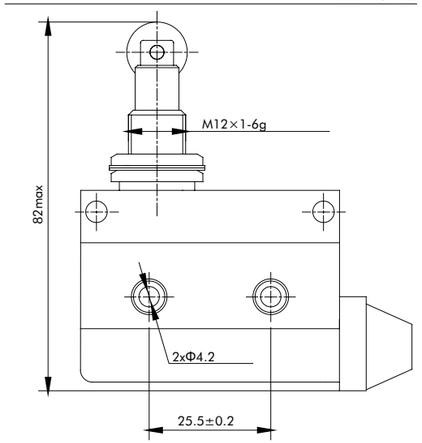
Type(recommend to adopt)	Operating mode	Type of replacement(discontinue)				
YBLXW-6/11BZ	Panel mounting plunger type	-AZ/7310	-TZ/7310	-MN/5310	-ZL/15G03	-D4MC/5000
YBLXW-6/11CA	Long press-button type					
YBLXW-6/11DA	Short press-button I type	-AZ/7110	-TZ/7110	-MN/5110	-ZL/15G01	
YBLXW-6/11DA2	Short press-button II type	-AZ/7100	-TZ/7100	-MN/5100		
YBLXW-6/11CG	Long triangle type	-AZ/7120	-TZ/7120	-MN/5120	-ZL/15G060	-D4MC/1000
YBLXW-6/11DG	Short triangle type	-AZ/7140	-TZ/7140	-MN/5140	-ZL/15G06	-D4MC/1020
YBLXW-6/11CL	Long spar roller type	-AZ/7121	-TZ/7121	-MN/5121	-ZL/15G07	-D4MC/2000
YBLXW-6/11DL	Short spar roller type	-AZ/7141	-TZ/7141	-MN/5141	-ZL/15G09	-D4MC/2020
YBLXW-6/11CDL	Long spar one-way roller type	-AZ/7124	-TZ/7124	-MN/5124		
YBLXW-6/11DDL	Short spar one-way roller type	-AZ/7144	-TZ/7144	-MN/5144	-ZL/15G070	-D4MC/3030
YBLXW-6/11HL	Lateral roller type	-AZ/7312	-TZ/7312	-MN/5312	-ZL/15G031	-D4MC/5040
YBLXW-6/11ZL	Straight roller type	-AZ/7311	-TZ/7311	-MN/5311	-ZL/15G030	-D4MC/5020
YBLXW-6/11W1	Universal Ⅰ type	-AZ/7161	-TZ/7161	-MN/5161		
YBLXW-6/11W2	Universal Ⅱ type	-AZ/7166	-TZ/7166	-MN/5166		
YBLXW-6/11W3	Universal Ⅰ Ⅲ type	-AZ/7169	-TZ/7169	-MN/5169		

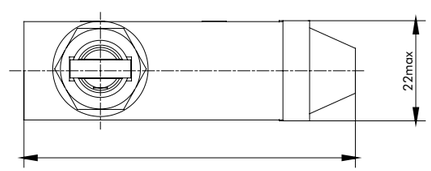
Table 2

Performance characteristic / Model	Movement (OF)max	Movement route (PT) max	Overtravel (OT)min
YBLXW-6/11BZ	≤8N	≤3.5mm	4.7mm
YBLXW-6/11CA	≤8N	≤3.5mm	4.7mm
YBLXW-6/11DA	≤8N	≤3.5mm	4.7mm
YBLXW-6/11DA2	8.5N	2.7mm	3.5mm
YBLXW-6/11CG	≤5N	≤12mm	16mm
YBLXW-6/11DG	≤6N	≤10mm	12mm
YBLXW-6/11CL	≤5N	≤12mm	16mm
YBLXW-6/11DL	≤6N	≤10mm	12mm
YBLXW-6/11CDL	≤6N	≤12mm	16mm
YBLXW-6/11DDL	≤5N	≤10mm	12mm
YBLXW-6/11HL	≤8N	≤3.5mm	4.7mm
YBLXW-6/11ZL	≤8N	≤3.5mm	4.7mm
YBLXW-6/11W1	≤2N	≤30°	-
YBLXW-6/11W2	≤2N	≤30°	-
YBLXW-6/11W3	≤2N	≤30°	-

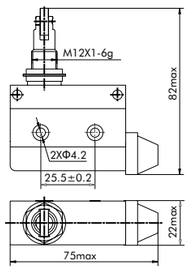
4. Overall and mounting dimensions

YBLXW-6/11ZL

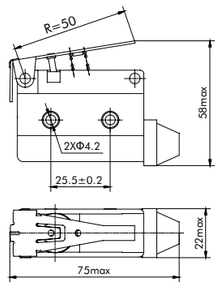




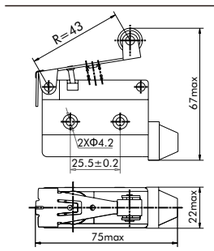
YBLXW-6/11HL



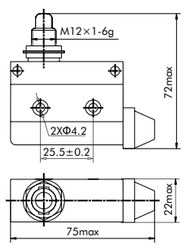
YBLXW-6/11DG



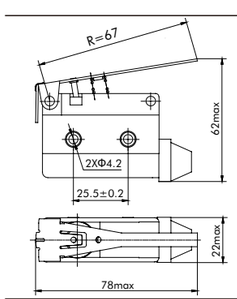
YBLXW-6/11DL



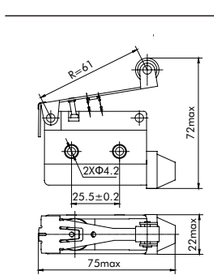
YBLXW-6/11BZ



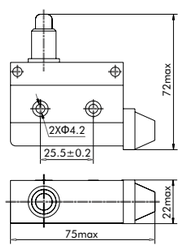
YBLXW-6/11CG



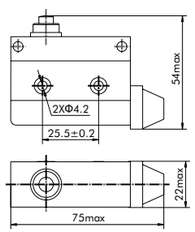
YBLXW-6/11CL



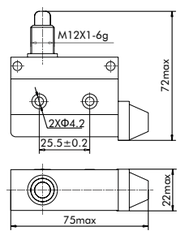
YBLXW-6/11DA



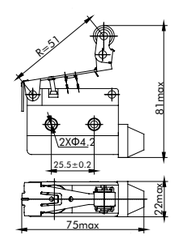
YBLXW-6/11DA2



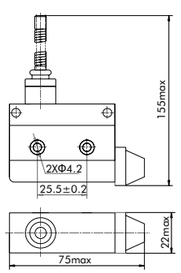
YBLXW-6/11CA



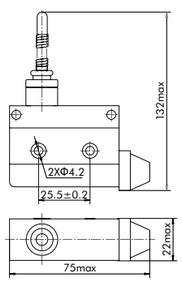
YBLXW-6/11DDL



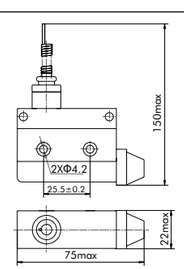
YBLXW-6/11W1



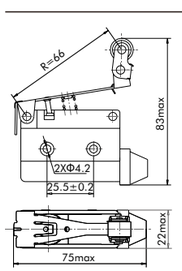
YBLXW-6/11W2



YBLXW-6/11W3



YBLXW-6/11CDL



5. Order information

5.1 When ordering, the user shall specify the switch type, name and quantity.
For example: YBLXW-6/11DA. 100 Microswitch;

5.2 User note:

5.2.1 Please do not use it in hot water and water vapor condition.

5.2.2 Please do not use it directly in oil and water

5.2.3 Please install the equipment in the place that vibration does not occur, also no resonance occurs.

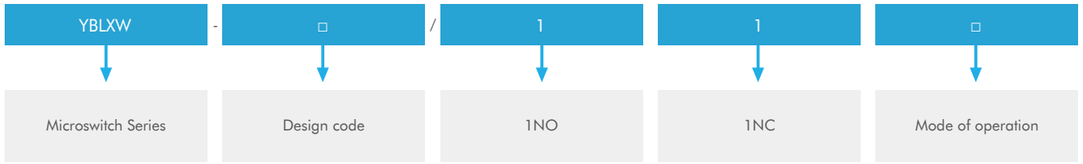
5.2.4 It is not recommended to use the product over travel, in order to avoid initial damage (such as the damage of product push rod) or reduce the service life of the product.

5.2.5 It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please maintain and replace the product regularly.

5.2.6 The operation speed of the product shall not be extremely fast or slow.

5.2.6.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.
5.2.6.2 When
the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.2.7 The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.



Description	Code
YBLXW-5 SHD	466013
YBLXW-5 SHIELD	466049
YBLXW-5/11D1	466023
YBLXW-5/11D1	466053
YBLXW-5/11D1+SHD	466037
YBLXW-5/11G1	466028
YBLXW-5/11G1	466051
YBLXW-5/11G1+SHD	466038
YBLXW-5/11G2	466029
YBLXW-5/11G2	466048
YBLXW-5/11G2+SHD	466039
YBLXW-5/11G2277	466014
YBLXW-5/11G3	466030
YBLXW-5/11G3	466056
YBLXW-5/11G3+SHD	466040
YBLXW-5/11GS	466012
YBLXW-5/11M	466031
YBLXW-5/11M	466054
YBLXW-5/11M+SHD	466041
YBLXW-5/11N1	466026
YBLXW-5/11N1	466050
YBLXW-5/11N1+SHD	466042
YBLXW-5/11N2	466027
YBLXW-5/11N2	466057
YBLXW-5/11N2+SHD	466043
YBLXW-5/11Q1	466024
YBLXW-5/11Q1	466047
YBLXW-5/11Q1+SHD	466044
YBLXW-5/11Q2	466025

Description	Code
YBLXW-5/11Q2	466052
YBLXW-5/11Q2+SHD	466045
YBLXW-5/11Z	466022
YBLXW-5/11Z	466055
YBLXW-5/11Z+SHD	466046
YBLXW-6/11BZ	467025
YBLXW-6/11BZ	467034
YBLXW-6/11CA	467031
YBLXW-6/11CDL	467021
YBLXW-6/11CG	467019
YBLXW-6/11CL	467020
YBLXW-6/11DA	467017
YBLXW-6/11DA2	467018
YBLXW-6/11DDL	467024
YBLXW-6/11DG	467022
YBLXW-6/11DL	467023
YBLXW-6/11DL	467035
YBLXW-6/11HL	467027
YBLXW-6/11W1	467029
YBLXW-6/11W2	467028
YBLXW-6/11W3	467030
YBLXW-6/11W3	467037
YBLXW-6/11ZL	467026
YBLXW-6/11ZL	467036
YBLXW-6(Nut+Flat Pad)	147036

CHINT
GLOBAL



CHINT was established in 1984. Over the years, thanks to our rapid development, CHINT has become the world's leading provider of intelligent energy solution for the entire industrial chain, offering the most comprehensive range of products, from Plant to Plug. In 2023, our annual sales revenue exceeded 22.1 billion dollars, with total assets surpassing 25 billion dollars.

Over three decades of global expansion, our business network has grown to cover more than 140 countries and regions worldwide. We operate in various areas including low-voltage, power transmission and distribution, water, gas and electricity metering, and green energy sectors such as solar. CHINT employs more than 50,000 people worldwide, creating over 500,000 jobs in the supply chains.

Through the integration of businesses and continuous upgrading, CHINT Global has further established its supply chain. This market localization has also enabled us to adopt flexible business models such as smart operation and maintenance, financing, and other integrated technical services for the global market.

USD **22.1** Billion
Annual Sales Revenue of CHINT Group

USD **25** Billion
Annual Total Assets of CHINT Group

Business Covering
140+
Countries and Regions

4%-12%
Annual R&D Investment Obtained from the Percentage of Sales

40+
Global Subsidiaries

24%
YoY Revenue Growth in 2023, CHINT Global

50,000+
Employees Worldwide

8,000+
Accumulated Authorized Patents

66%+
Localization Rate of CHINT Global Employees

ABOUT
CHINT LOW VOLTAGE

Zhejiang CHINT Electrics Co., Ltd. is a wholly owned subsidiary of CHINT Group. Cultivating R&D, manufacturing and sales of low-voltage products, we provide system solutions for building, power supply, hoisting, HVAC, telecommunication and other industrial customers. For nearly 40 years since its founding, CHINT Electrics has provided reliable products and services to over 140 countries and regions. Today, CHINT has grown to be one of the world's renowned low-voltage brands.

CHINT Honors

2022

- "AAAAA" standardized good behavior certificate
- "Global Partnership" and "Countries along the Belt and Road" in the "2021 Best Practices for Realizing the Sustainable Development Goals". CSR Impact Leading Enterprise

2021

- No. 1 in " China's Top 100 Private Enterprises with Social Responsibility" in 2021
- For 8 consecutive years, CHINT has won the sales champion of Tmall double 11 in electrical and hardware industry
- No. 92 in "2021 China's Top 500 Private Enterprises".
- No. 244 in "2021 Top 500 Chinese Enterprises"
- The intelligent manufacturing factory of low-voltage electrical appliances was selected as the national "2021 Intelligent Manufacturing Demonstration Factory".

2020

- CHINT was selected in the 2020 Zhejiang Province "Future Factory" recognized list, and was rated as the leading " Leading Goose Factory".
- The key inverter technology of CHINT won the second prize of China Electric Power Science and Technology.
- CHINT Astrometry was selected as the smart PV demonstration enterprise list of the Ministry of Industry and Information Technology and won the honor of "Influential PV cell/module brand", "Influential PV EPC / End User", "Influential PV power station operation and maintenance brand".

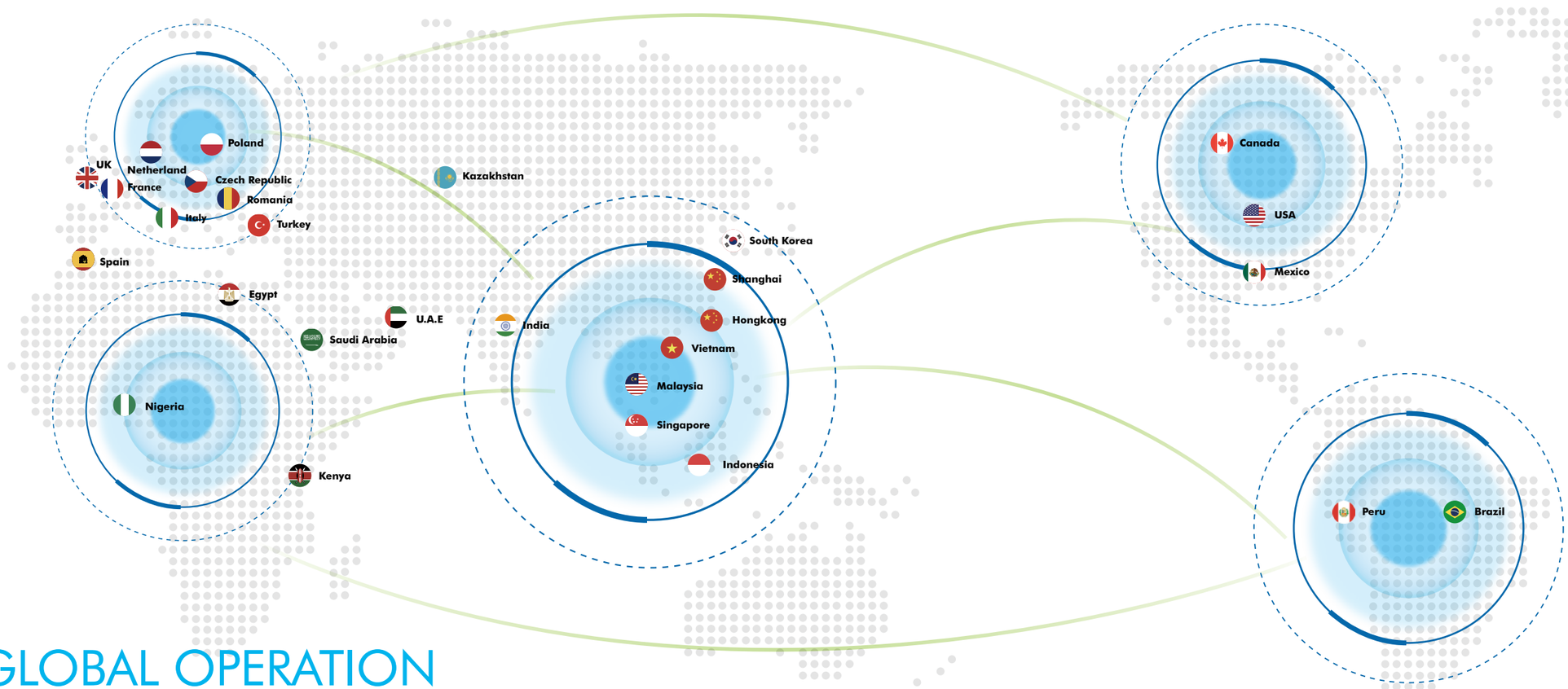
2019

- National Green Factory
- National Industrial Design Center of the MIIT
- Global Top 20 PV Enterprise
- China's Top 10 Successful PV Enterprise
- Top 100 Innovative Enterprises in Zhejiang Province
- Technology innovation system was awarded the 2018 Science and Technology Progress Award in Zhejiang

Qualification Certification

The products have been accredited through China Compulsory Certification (CCC) as well as UL of US, CE of EU, VDE and TÜV of Germany, KEMA of Netherlands, RCM of Australia, RCC of South Africa and other international product certifications.





Business Covering

140+

Countries and Regions

40+

Global Subsidiaries

2,300+

Global Distributors

66%+

Localization Rate of Global Employees

GLOBAL OPERATION LOCALIZATION

Rooted Locally, Serving the Globe

After more than 30 years of overseas expansion, CHINT Global has subsidiaries and offices in Europe, North America, Asia-Pacific, West Asia & Africa and Latin America. Its business footprint covers more than 140 countries and regions worldwide, continuously providing the world with more efficient smart electricity and clean energy.



Sunlight **Singapore & Malaysia**

Main Products: Low-voltage Switchgears



Metering Factory **Uganda**

Main Products: Meters



Solar Factory **Thailand**

Main Products: PV Module, PV Cell



Sunlight **Vietnam**

Main Products: MSB, MCC, SDB, DB, CU, Fire Pump Panel, Weatherproof Panel, String Combine Box, Solar Switchboard



SchneiTec CHINT **Cambodia**

Main Products: MV Equipment including 22kV Distribution Transformer, Switchgear, Smart RMU, Capacitor Bank



CHINT – EGEMAC **Egypt**

Main Products: Full Series of Low-voltage Switchgears



Haining Solar Intelligent Factory **China**

Main Products: PV Module, PV Cell



Power T&D Jiaxing Factory **China**

Main Products: MV and LV Switchgear, C-GIS, MV Circuit Breaker, Prefabricated Substation



Power T&D Shanghai Factory **China**

Main Products: Power Transformer, GIS, MV and LV Switchgear, HGIS, HV Circuit Breaker, Disconnector



Wenzhou Low-voltage Intelligent Factory **China**

Main Products: Low-voltage Components



CHINT ATC **Saudi Arabia**

Main Products: RMU and Intelligent Power T&D Products of 33kV and below



CHINT-AJLAN & Bros **Saudi Arabia**

Main Products: Low-voltage Components

Catalog Disclaimer

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Thank you for your understanding and support!

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2025.03