PEOPLE
ELECTRIC



RDC5 series AC Contactor

New design, New appearance
Professional design

Optimum structure, Improve quality
Comprehensive optimization of product structure,
improve dust-proof function, improve quality and performance

Better performance, Longer life
Electrical life reach 1.1 million times, High stability

Full specifications
Full specifications, more accessory

RDC5 series AC Contact

Introduction

RDC5 series AC Contactor is mainly applied to circuit of AC50/60Hz, Rated operate voltage 690V, Rated current up to 95A, for remote connecting and breaking circuit, and assemble with relay to be electromagnetic starter for protecting the overload circuit. And Contactor can assemble with Block type auxiliary contact group, timer-delay, mechanical interlock to be delay contactor, reversible contactor, star-delta starter.
Standard: IEC60947-4-1, GB14048.4

Type selection

RDC5 —	09	10		B
Model No.	Rated current	self-carried Auxiliary contactor	special options	control circuit voltage
RDC5: AC Contactor	06、09、12、 18、25、32、 38、40、50、 65、80、95	10: 32A and below 3P+NO 01: 32A and below 3P+NC 11: 40A and above 3P+NO+NC 04: 25A and below 4P 08: 25A and below 2P+2R P: NO contactor R: NC contactor NO: Normally open auxiliary contactor, NC: Normally closed auxiliary contactor	Non: normal type N: reversible type PC: with clear dustproof	B:24V C:36V E:48V F:110V S:127V M:220/230V U:240V Q:380/400V L:415V X:440V

Type selection

F4 —	20
Model No.	Auxiliary contact
F4:Top-Auxiliary contact	20:2NO 11:1NO+1NC 02:2NC 40:4NO 31:3NO+1NC 22:2NO+2NC 13:1NO+3NC 04:4NC NO:NO auxiliary contactor NC:NC auxiliary contactor

LA2D —	20
Model No.	Auxiliary contact
LA2D: power-on delay timer block LA3D: power-off delay timer block	20: delay 0. 1-3s 22: delay 0. 1-30s 24: delay 10-180s

LA 8 —	20
Model No.	Auxiliary contact
LA 8: side-auxiliary contact	20:2NO 11:1NO+1NC 02:2NC NO:NO auxiliary contactor NC:NC auxiliary contactor

RDC5 series AC Contact

Main technical parameter

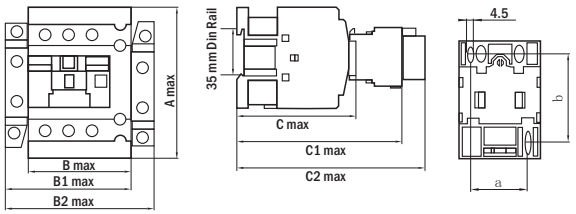
Model No.		RDC5-06	RDC5-09	RDC5-12	RDC5-18	RDC5-25	RDC5-32	RDC5-38	RDC5-40	RDC5-50	RDC5-65	RDC5-80	RDC5-95
Main circuit													
Pole		3P											
Rated insulation voltage(Ui)V		690											
Rated operate voltage (Ue) V		380/400, 660/690											
Conventional heating current (Ith) A		16	20	20	25	32	40	40	50	60	80	110	110
Rated operate current (Ie)	AC-3 380/400V A	6	9	12	18	25	32	38	40	50	65	80	95
	AC-3 660/690V A	3.8	6.6	8.9	12	18	22	22	34	39	42	49	49
	AC-4 380/400V A	2.6	3.5	5	7.7	8.5	12	14	18.5	24	28	37	44
	AC-4 660/690V A	1	1.5	2	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3
Rated operate power (Pe)	AC-3 380/400V kw	2.2	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45
	AC-3 660/690V kw	3	5.5	7.5	10	15	18.5	18.5	30	33	37	45	45
	AC-4 380/400V kw	1.1	1.5	2.2	3.3	4	5.4	5.5	7.5	11	15	18.5	22
	AC-4 660/690V kw	0.75	1.1	1.5	3	3.7	5.5	6	7.5	10	11	15	18.5
Mechanical life $\times 10^4$		1200				1000			900			650	
Electrical life	AC-3 $\times 10^4$	110					90					65	
	AC-4 $\times 10^4$	22					22		17			11	
Operate frequency	AC-3 per hour	1200					600						
	AC-4 per hour	300											
Connect capacity	Root number mm^2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	²1 2
	Flexible wire with terminal mm^2	4 2.5	4 2.5	²4 2.5	4 2.5	6 4	6 4	6 4	25 10	25 10	25 10	50 16	50 16
	Flexible wire without terminal mm^2	4 4	4 4	4 4	4 4	6 6	6 6	6 6	25 16	25 16	25 16	50 25	50 25
	Hard wire mm^2	4 4	4 4	4 4	6 6	6 6	10 6	10 6	25 10	25 10	25 10	50 25	50 25
Tightening torque	N·m	1. 2				1. 8			5			9	

Coil

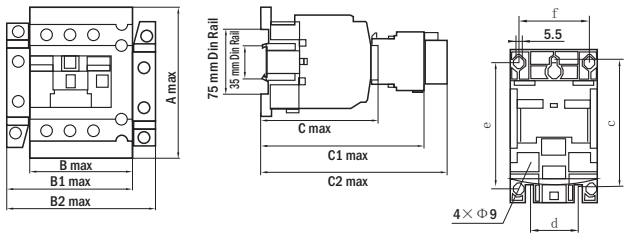
Rated voltage Us	50Hz V	24（B）、36（C）、48（E）、110（F）、127（S）、220/230（M）、240（U）、380/400（Q）、415（L）、440（X）											
	50/60Hz V	24（B）、36（C）、48（E）、110（F）、127（S）、220/230（M）、240（U）、380/400（Q）、415（L）、440（X）											
Operate voltage Us	Operate	85%～110%Us											
	Release	20%～70%Us											
Coil comsuption	Pull-in VA	50	60			70			200			200	
	Keep VA	6～9	6～9. 5			6～9. 5			15～20			15～20	
	Comsuption W	1～3	1～3			1～3			6～10			6～10	

RDC5 series AC Contact

Mounting Dimension



RDC5-06～38



RDC5-40～95

Model NO.	Amax	Bmax	B1max	B2max	Cmax	C1max	C2max
RDC5-06、09、12、18	74. 5	45. 5	58	71	82. 5	114. 5	139. 5
RDC5-25、32、38	83	56. 5	69	82	97	129	154
RDC5-40、50、65	127. 5	74. 5	88	101	117	148. 5	173. 5
RDC5-80、95	127. 5	85. 5	99	112	125. 5	157	182

Note: B1max-contactor+LA8 B2max-contactor+2 * LA8
C1max-contactor+F4 C2max-contactor+LA2 (3) D

Model NO.	a	b	c	d	e	f
RDC5-06、09、12、18	35	50/60	——	——	——	——
RDC5-25、32、38	40	50/60	——	——	——	——
RDC5-40、50、65	——	——	105	40	100/110	59
RDC5-80、95	——	——	105	40	100/110	67

Matching specifications of Fuse and Relay

Model No.	RDC5-06	RDC5-09	RDC5-12	RDC5-18	RDC5-25	RDC5-32
Main circuit fuse	RT6-00 16A	RT6-00 20A	RT6-00 20A	RT6-00 32A	RT6-00 40A	RT6-00 50A
Relay	RDR5-25	RDR5-25	RDR5-25	RDR5-25	RDR5-25	RDR5-25 RDR5-36
Model No.	RDC5-38	RDC5-40	RDC5-50	RDC5-65	RDC5-80	RDC5-95
Main circuit fuse	RT6-00 63A	RT6-00 63A	RT6-00 80A	RT6-00 80A	RT6-00 100A	RT6-00 125A
Relay	RDR5-25 RDR5-36	RDR5-93	RDR5-93	RDR5-93	RDR5-93	RDR5-93
Auxiliary circuit	RT6-00 10A					