

NXB-125 Moulded case circuit breaker

1. Compliant standards

IEC/EN60947-2

2. Compliant certification

CE, RoHS, REACH, Carbon Footprint

3. Major function

Overload protection, short circuit protection, positive isolation

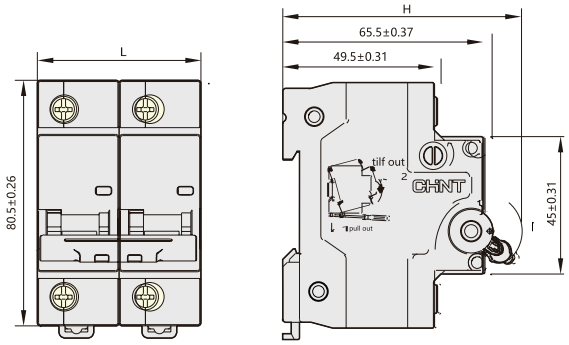
4. Technical data

Rated current: 63A, 70A, 80A, 90A, 100A , 125A(1P, 2P, 3P, 4P);
Rated voltage: 230V ~ (1P), 400V ~ (2P, 3P, 4P);
Frequency: 50/60Hz
Thermal magnetic release: C: 8In, D:12In
Number of poles: 1P, 2P, 3P, 4P;
Mechanical life: 20000 cycles;
Electrical life: 6000 cycles (In≤100A); 4000 cycles (In > 100A);
Rated short-circuit breaking capacity(Icu): 10kA;
Short-circuit breaking capacity(Ics): 7.5kA;
Rated impulse withstand voltage(Uimp): 4kV;
Weight(kg): 0.16/per ploe.

DC parameters

Number of poles	1P			2P		
Rated operational voltage Ue (V)	60VDC	80VDC	110VDC	80VDC	125VDC	220VDC
Rated current In (A) 63, 80, 100, 125A	63, 80, 100, 125A					
Rated ultimate short circuit breaking capacity Icu (kA)	20	10	10	20	20	10
Rated service short circuit breaking capacity Ics (kA)	15	7.5	7.5	15	15	7.5

5. Dimensions and installation sizes



	1P	2P	3P	4P
L(mm)	$27^{0}_{-0.52}$	$54^{0}_{-0.74}$	$81^{0}_{-1.40}$	$108^{0}_{-1.40}$
H(mm)	$75.5^{0}_{-1.20}$	$78.5^{0}_{-1.20}$	$78.5^{0}_{-1.20}$	$78.5^{0}_{-1.20}$

NXB-125		1P	C	63
Frame	**Compliant standards**	**Poles**	**Curve**	**Current(In)**
NXB-125	Blank: IEC/EN 60947-2	1P 2P 3P 4P	C D	63A 70A 80A 90A 100A 125A

Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	C	1P	63	10	AC230	NXB-125 1P C63	816121
	C	1P	70	10	AC230	NXB-125 1P C70	390485
	C	1P	80	10	AC230	NXB-125 1P C80	816123
	C	1P	90	10	AC230	NXB-125 1P C90	390487
	C	1P	100	10	AC230	NXB-125 1P C100	816125
	C	1P	125	10	AC230	NXB-125 1P C125	816127
	C	2P	63	10	AC400	NXB-125 2P C63	816129
	C	2P	70	10	AC400	NXB-125 2P C70	390489
	C	2P	80	10	AC400	NXB-125 2P C80	816131
	C	2P	90	10	AC400	NXB-125 2P C90	390491
	C	2P	100	10	AC400	NXB-125 2P C100	816133
	C	2P	125	10	AC400	NXB-125 2P C125	816135
	C	3P	63	10	AC400	NXB-125 3P C63	816137
	C	3P	70	10	AC400	NXB-125 3P C70	390493
	C	3P	80	10	AC400	NXB-125 3P C80	816139
	C	3P	90	10	AC400	NXB-125 3P C90	390495
	C	3P	100	10	AC400	NXB-125 3P C100	816141
	C	3P	125	10	AC400	NXB-125 3P C125	816143
	C	4P	63	10	AC400	NXB-125 4P C63	816145
	C	4P	70	10	AC400	NXB-125 4P C70	390497
	C	4P	80	10	AC400	NXB-125 4P C80	816147
	C	4P	90	10	AC400	NXB-125 4P C90	390499
	C	4P	100	10	AC400	NXB-125 4P C100	816149
	C	4P	125	10	AC400	NXB-125 4P C125	816151
	D	1P	63	10	AC230	NXB-125 1P D63	816122
	D	1P	70	10	AC230	NXB-125 1P D70	390486
	D	1P	80	10	AC230	NXB-125 1P D80	816124
	D	1P	90	10	AC230	NXB-125 1P D90	390488
	D	1P	100	10	AC230	NXB-125 1P D100	816126
	D	1P	125	10	AC230	NXB-125 1P D125	816128

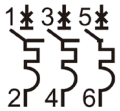
Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	D	2P	63	10	AC400	NXB-125 2P D63	816130
	D	2P	70	10	AC400	NXB-125 2P D70	390490
	D	2P	80	10	AC400	NXB-125 2P D80	816132
	D	2P	90	10	AC400	NXB-125 2P D90	390492
	D	2P	100	10	AC400	NXB-125 2P D100	816134
	D	2P	125	10	AC400	NXB-125 2P D125	816136
	D	3P	63	10	AC400	NXB-125 3P D63	816138
	D	3P	70	10	AC400	NXB-125 3P D70	390494
	D	3P	80	10	AC400	NXB-125 3P D80	816140
	D	3P	90	10	AC400	NXB-125 3P D90	390496
	D	3P	100	10	AC400	NXB-125 3P D100	816142
	D	3P	125	10	AC400	NXB-125 3P D125	816144
	D	4P	63	10	AC400	NXB-125 4P D63	816146
	D	4P	70	10	AC400	NXB-125 4P D70	390498
	D	4P	80	10	AC400	NXB-125 4P D80	816148
	D	4P	90	10	AC400	NXB-125 4P D90	390500
	D	4P	100	10	AC400	NXB-125 4P D100	816150
	D	4P	125	10	AC400	NXB-125 4P D125	816152
	C	1P	63	20	DC60	NXB-125 1P C63 DC60V	330124
	C	1P	63	10	DC80	NXB-125 1P C63 DC80V	330127
	C	1P	63	10	DC110	NXB-125 1P C63 DC110V	330128
	C	1P	80	20	DC60	NXB-125 1P C80 DC60V	330130
	C	1P	80	10	DC80	NXB-125 1P C80 DC80V	330132
	C	1P	80	10	DC110	NXB-125 1P C80 DC110V	330133
	C	1P	100	20	DC60	NXB-125 1P C100 DC60V	330136
	C	1P	100	10	DC80	NXB-125 1P C100 DC80V	330138
	C	1P	100	10	DC110	NXB-125 1P C100 DC110V	330140
	C	1P	125	20	DC60	NXB-125 1P C125 DC60V	330141
	C	1P	125	10	DC80	NXB-125 1P C125 DC80V	330143
	C	1P	125	10	DC110	NXB-125 1P C125 DC110V	330145

Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	C	2P	63	20	DC80	NXB-125 2P C63 DC80V	330147
	C	2P	63	20	DC125	NXB-125 2P C63 DC125V	330149
	C	2P	63	10	DC220	NXB-125 2P C63 DC220V	330152
	C	2P	80	20	DC80	NXB-125 2P C80 DC80V	330153
	C	2P	80	20	DC125	NXB-125 2P C80 DC125V	330156
	C	2P	80	10	DC220	NXB-125 2P C80 DC220V	330158
	C	2P	100	20	DC80	NXB-125 2P C100 DC80V	330160
	C	2P	100	20	DC125	NXB-125 2P C100 DC125V	330162
	C	2P	100	10	DC220	NXB-125 2P C100 DC220V	330164
	C	2P	125	20	DC80	NXB-125 2P C125 DC80V	330166
	C	2P	125	20	DC125	NXB-125 2P C125 DC125V	330168
	C	2P	125	10	DC220	NXB-125 2P C125 DC220V	330170
	D	1P	63	20	DC60	NXB-125 1P D63 DC60V	330125
	D	1P	63	10	DC80	NXB-125 1P D63 DC80V	330126
	D	1P	63	10	DC110	NXB-125 1P D63 DC110V	330129
	D	1P	80	20	DC60	NXB-125 1P D80 DC60V	330131
	D	1P	80	10	DC80	NXB-125 1P D80 DC80V	330134
	D	1P	80	10	DC110	NXB-125 1P D80 DC110V	330135
	D	1P	100	20	DC60	NXB-125 1P D100 DC60V	330137
	D	1P	100	10	DC80	NXB-125 1P D100 DC80V	330139
	D	1P	100	10	DC110	NXB-125 1P D100 DC110V	330142
	D	1P	125	20	DC60	NXB-125 1P D125 DC60V	330144
	D	1P	125	10	DC80	NXB-125 1P D125 DC80V	330146
	D	1P	125	10	DC110	NXB-125 1P D125 DC110V	330148
	D	2P	63	20	DC80	NXB-125 2P D63 DC80V	330150
	D	2P	63	20	DC125	NXB-125 2P D63 DC125V	330151
	D	2P	63	10	DC220	NXB-125 2P D63 DC220V	330154
	D	2P	80	20	DC80	NXB-125 2P D80 DC80V	330155
	D	2P	80	20	DC125	NXB-125 2P D80 DC125V	330157
	D	2P	80	10	DC220	NXB-125 2P D80 DC220V	330159
	D	2P	100	20	DC80	NXB-125 2P D100 DC80V	330161
	D	2P	100	20	DC125	NXB-125 2P D100 DC125V	330163
	D	2P	100	10	DC220	NXB-125 2P D100 DC220V	330165
	D	2P	125	20	DC80	NXB-125 2P D125 DC80V	330167
	D	2P	125	20	DC125	NXB-125 2P D125 DC125V	330169
	D	2P	125	10	DC220	NXB-125 2P D125 DC220V	330171