

BD1-63 Series Miniature Circuit Breaker (MCB)



Application

BD1-63Z is applicable to a line of DC, 250V in single pole, 500V in double, three, four poles for protecting overload and short circuit, and rated current up to 63A. It can also be used for infrequent line conversion under the normal condition. The breaker is applicable to lighting distribution system in industrial enterprise, commercially district, high-rise building and dwelling house. It conforms with the standards of IEC60898.

Main Technical Parameter

Type	BD1-63Z	
Pole	1P, 2P	3P, 4P
Rated current (A)	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63	
Rated voltage (V)	250/500	750/1000
Ambient temperature	-5°C~+40°C	
Type of instantaneous release	B, C, D	
Rated short circuit breaking capacity Icn(kA)	6	

Applicable Conducting Wire

Rated current (A)	1-6	10	16, 20	25	32	40, 50	63
Normal cross section of wire (mm ²)	1	1.5	2.5	4	6	10	16

The Over-Current Protection Property

Ambient temperature	Initial status	Test current	Test time	Expected result	Note
30±2°C	Cold position	1.13In	t≥1h	Non-release	—
	Carried out immediately after previous test	1.45In	t<1h	Release	—
	Cold position	2.55In	1s<t<60s(In≤32A)	Release	Current smoothly rises to specified value within 5s
	Cold position	2.55In	1s<t<120s(In>32A)	Release	
-5~+40°C	Cold position	3In	t≥0.1s	Non-release	Type B
	Cold position	5In	t<0.1s	Release	Type B
	Cold position	5In	t≥0.1s	Non-release	Type C
	Cold position	10In	t<0.1s	Release	Type C
	Cold position	10In	t≥0.1s	Non-release	Type D
	Cold position	20In	t<0.1s	Release	Type D

Dimension

