

1. Application

DZ49-63 is applicable to a line of AC 50Hz/60Hz, 230V in single pole, 400V 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, commercial district, high-rise building and dwelling house. It conforms with the standards of IEC60898.

2. Main Technical Parameter

Type	DZ49-63			
Pole	1P		2P, 3P, 4P	
Rated current (A)			6, 10, 16, 20, 25, 32, 40, 50, 63	
Rated voltage (V)	230		400	
Ambient temperature			-5C~+40C	
Type of instantaneous release	C	D	C	D
Rated short circuit breaking capacity (KA)	1-32A: 6 50-63A: 4	4	1-32A: 6 50-63A: 4	4

3. Applicable conducting wire

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

4. The over-current protection property

Ambient Temperature	Initial Status	Test Current	Expected Result	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