

1. Application

DZ30-32 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, commercially district, high-rise building and dwelling house. It conforms with the standards of IEC60898.



2. Specification

2.1 Main Technical Parameter

Type	DZ30-32			
Pole	1P		2P,3P,4P	
Rated current (A)	6, 10, 16, 20, 25, 32, 40, 50, 63			
Rated voltage (V)	230		400	
Ambient temperature	-5°C~+40°C			
Type of instantaneous release	C	D	C	D
Rated short circuit breaking capacity Icn(kA)	1-32A:6 50-63A:4	4	1-32A:6 50-63A:4	4

2.2 Technical Data

General

As the main switch in the combination of electrical terminal apparatus, DN isolator is suitable for circuit of AC 50Hz, rated voltage 230V/400V, rated current up to 125A for isolating, it also can be used for infrequent on-and-off circuit, and is widely used in industry, mine, high-building, commerce and household and so on.

- ◆ In conformity to IEC/EN60947-3
- ◆ Double-point direct-moving structure
- ◆ With indicator function in the contact position
- ◆ Bilateral busbar wiring capabilities to adapt to the wider use of premises
- ◆ Maximum connecting ability of 35/50mm², wiring torque 3.4 N/m, applicable to a variety of installing equipments, wiring stronger
- ◆ Protection class: IP20

2.3 Applicable conducting wire

Rated current(A)	Normal 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

2.4 The over-current protection property

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

3 Installation

3.1 Normal working condition

The maximum ambient temperature should be $-5^{\circ}\text{C} < T < +40^{\circ}\text{C}$, average temperature should be $\leq 35^{\circ}\text{C}$ at 24h. The altitude of installation place should not exceed 2000m. The relative humidity should not exceed 50% at 40°C , it permits higher relative humidity when at a higher temperature, the average maximum relative humidity should not exceed 90% at maximum humidity month, and this month's average minimum temperature does not exceed $+25^{\circ}\text{C}$, and it should take consideration on the product's surface for temperature change.

3.2 Installation condition

The Mini Circuit Breaker is installed by standard mounting rail; the Mini Circuit Breaker is upright installation, knob upwards is switch on position. The installation place is not of obviously impact and librate.

3.3 Dimension

