

JL12 Overcurrent Delay Relay

I. Application

Relays apply to the following environments

- (1) Not exceeding 4000 metres above sea level
- (2) The temperature of the surrounding medium is not higher than 40 °C and not lower than -30 °C.
- (3) The relative humidity of the air is not greater than 85 °(relative to 20 ±5 °)
- (4) with a vertical slope not exceeding 5 °

II. Main Technical Data

- The characteristics of relay after adjusting at ambient temperature of -30 °C ~ 40 °C are shown in the table.

Current (A)	Actuation Time
IH	2 hours no movement
1.5IH	<3 minutes (thermal state)
2.5IH	Delay about 10 ±6 seconds
6LH	<1S

- **Specifications**

JL12 Current Relay

1)Coil rated current(A):5--300A

2)Voltage:380V

3)Size:100*55*134mm

Type	ND-JL12
Coil rated current(A)	5 10 15 20 30 40 60 75 100 150 200 300A
voltage	380V
Contact rated current	5A
Operation character	Multiple time 1 long term no-action 1.5 3minute 2.5 10s±6s 6 1-3s
Size	100×55×134mm

III. Use, Regulation and Maintenance

- 1, the relay is installed as shown in the diagram, the fretting switch is on the top.
- 2, when the relay needs to be restarted after operation, the interval should be more than 10 seconds.
3. Relays should not be used as time relays.
4. When the ambient temperature is $-30\text{ }^{\circ}\text{C}$ and $40\text{ }^{\circ}\text{C}$, because of the effect of temperature on the viscosity of silicon oil, the relay ground working time is slightly longer and when the current is 6LH (cold state, the action time is more than 1 second less than 3 seconds, then the screw can be adjusted and the position of iron core is increased. So that the action time may be less than 1 second, but in general the relay is installed in the cab protection cabinet at a higher temperature, without any adjustment of the iron core .
5. The relay adopts colorless and transparent silicone oil as the damping liquid of the oil cup and should be kept clean, Silicone oil can not be used when it is not used for long time and becomes yellow or turbid.
6. The relay oil should be kept clean, dust, metal scraps and other sundries should be prevented from falling in during assembly and maintenance, the oil cup should be sealed, no oil leakage should occur during the use, and the seal cap at the lower part of the oil cup should be tight. The top seal of the oil cup is damaged by rubber cap and can be purchased from the manufacturer.
7. Check whether relay contacts and wiring heads are loose It is found that silicone oil can be changed according to nameplate type, and no other oil can be used instead of it.

IV. Appearance and Dimensions

