

Open-close dual outputs

Current mutual inductance switch

Model: F005

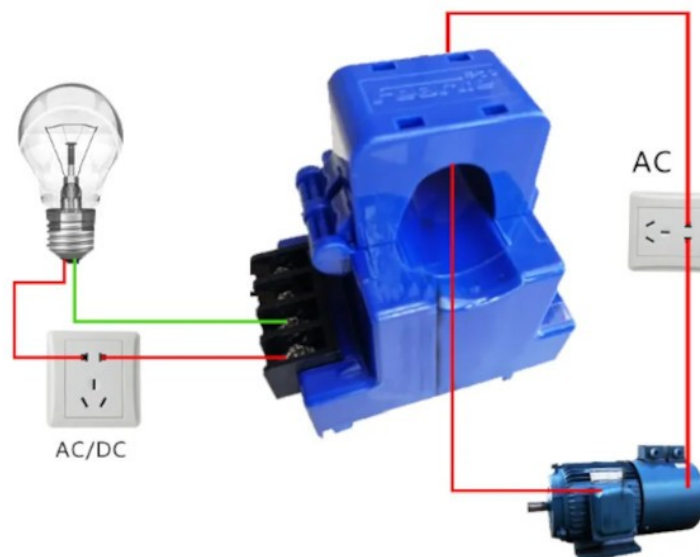
Operating principle of Model F005

The indicator lights up when the perforation line current exceeds the set value. Normally open contact conducts, and normally closed contact disconnects.

The indicator goes out when the perforation line current is below the set value. Normally open contact disconnects, and normally closed contact connects.

Thus, the magnitude of the induced current is realized by isolation so as to control the on-and-off circuit or the start and stop of the equipment.

Wiring schematic diagram of F005



Product parameters

- > Mutual inductance current monitoring, security isolation of input and output, self power
- > The monitored current range is up to 50A; the monitoring threshold can be set within 1.6-50A.
- > Hysteresis is less than 1%. It can be used in strong magnetic environment.
- > Non-contact electronic switch with fast reaction and unlimited number of on-and-off operations.
- > The shell is made of food grade PC material.

Monitoring current: **1.6-50A AC**

Electric capacity: **0.3A at 240V AC/DC**

The diameter of the perforation line: **16mm**

Dimensions: **65*39*62mm**

Maximum leakage value: **0.1mA**

Maximum overload capacity: **100%**

Operating temperature: **-20~55°C**

Hysteresis: **Less than 1%**

Current action threshold setting

1. The current value of the perforation line takes the threshold current when the switch is about to act. It can be collected by constant current source or a clamp meter.
2. Adjust the current regulator on the switch to the indicator light just on. Then turn a little bit until the indicator light is off and lock the set value.

Detailed analysis of product features

1. Shell made of PC material

The shell is made of food grade PC material which is more environmentally friendly than ABS. Meanwhile, it is stronger and more sophisticated with better fire resistance.

2. Open-type line

Open-close line with no need to cut the line, thus being convenient.

3. Installation of the guide rail

Default installation of the guide rail

4. Output of normally open and normally closed dual switches

A group is normally open and the other is normally closed which can be freely chosen as needed.

5. The threshold of the switch action is adjustable.

The threshold of the current action is adjustable within 1.6-50A.

6. Passive and current inductor type

Passive; easy to use.

7. Current transformer type induced current

It does not affect the original monitoring circuit, thus being safer and more convenient.

8. More secure terminals

The terminals are more secure and can be connected to thicker lines.

F005 Dimensions

