AC current Induction switch (Normally Open) BEMG30NO Instructions

Product description

Current induction switch is designed for safe, simple and convenient monitoring or detecting the current of electrical equipment. Based on the principle of electromagnetic mutual inductance of current, it adopts advanced passive self-power supply technology to develop a switch output detection, monitoring and protection alarm product.

General technical characteristics of products

Trigger current: 0.2-30A, 40~400Hz

Start-up time: within 0.1 seconds

Switch Contact Capacity:: MAX: 0.5A@240Vac/dc

Overload capacity: +100% @ 30A

Product size: H×W1/W2×T mm

=53×45/69×25mm

Rail type: 35mm DIN

Piercing hole diameter: 8mm

Indicator lights: red & green

Installation form: paperback

Shell Material: Fireproof 94V-0

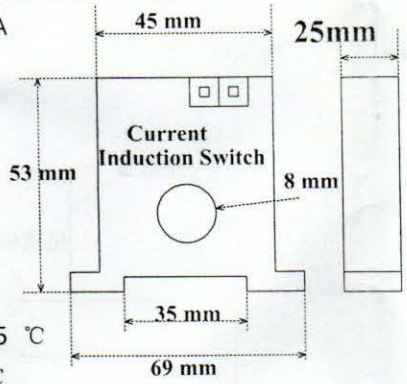
Operating temperature: - 10 ~ 55 ℃

Storage temperature: - 20 ~ 65 ℃

Operating humidity: 0 ~ 95%, no condensation

IP Level: IP30

Product Dimension Diagram

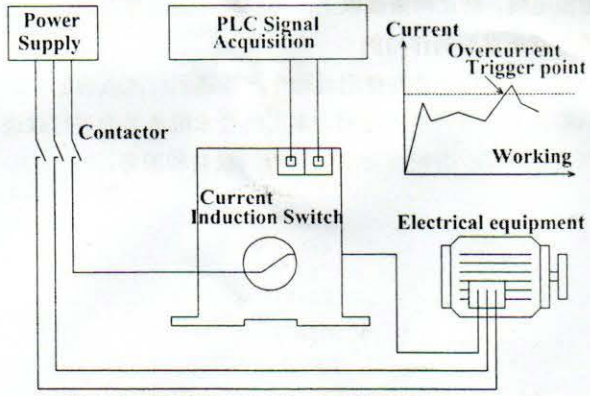


Start-up adjustment

- Normally closed type: Overcurrent monitoring, detection and regulation: clockwise enlargement of current starting value (to red light), counterclockwise locking of starting value (to green light). In undercurrent monitoring and detection, on the basis of overcurrent regulation, clockwise adjustment to the red light can be done.
- Normally open type: overcurrent switch closed;
- Multi-twist potentiometer regulation .
- Red light: switch closed; green light: switch open

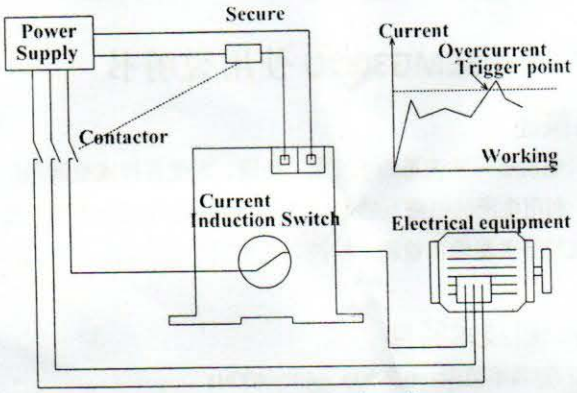
Installation and Application (Typical Applications)

PLC signal acquisition mode



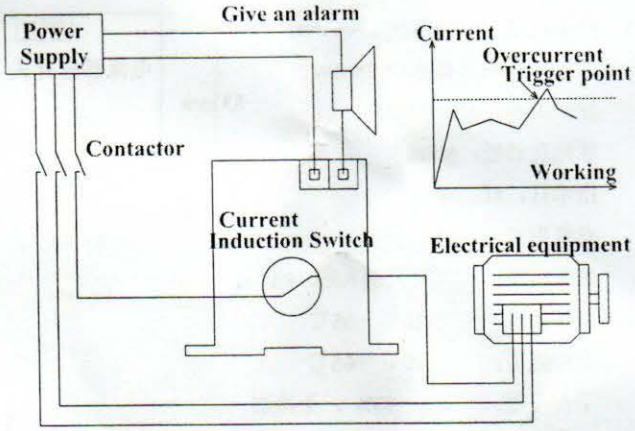
The piercing hole can only pass through the current of the same phase and direction.

Protection mode



The piercing hole can only pass through the current of the same phase and direction.

Alert mode



The piercing hole can only pass through the current of the same phase and direction.

Use precautions

1、Installation shall be carried out by persons with an electrician's certificate or related technology or by trained and qualified personnel.

2、Switch terminals are forbidden to connect directly to power supply.

3、Installation screw aperture is 4.5mm, can be fixed with M4 screw.

4、All of the switch products mentioned in this paper can not be applied under the direct sunlight, and the working temperature is higher than 55 ℃ in the environment, as well as wet, dripping place, the product is not waterproof.

5、The current carrying capacity of the switch terminal is MAX:0.5A@240Vac/dc; it is forbidden to directly power on without load, otherwise the product will be permanently damaged.

6、The value of the penetrating current should be used in the current range on the label when applying the product. If the current value is lower than the specified range, the requirement can be achieved by increasing the number of turns.

7、The core holes of the switch products mentioned in this paper can only be passed through synchronous in-phase current cables, forbidding two or more different phase current lines to pass through, otherwise the switch will not play a normal monitoring role.

8、In the process of installation and use, if you encounter doubts or problems, please contact your salesperson to explain the situation. The technical service staff of our company will provide follow-up service. Do not disassemble and repair by themselves, otherwise they will lose their due rights and services.