

Scope of application

The SJKGQ-63 series intelligent self resetting overvoltage and undervoltage protector is a new generation of home appliance protection device developed by our company based on the "Code for Electrical Design of Residential Buildings" implemented on April 1, 2012. The control circuit is installed with imported components, and the product is produced according to modular standards. It has excellent and reliable performance and can work normally under abnormal voltage conditions. When the mains voltage exceeds or falls below the operating voltage of the protector, the protector can quickly and reliably cut off the circuit to protect electrical appliances and personal safety. When the mains voltage returns to normal, the protector can automatically connect to the power supply, restore power supply, and all functions are automatically implemented without the need for personnel operation. The product is suitable for users or loads with single-phase AC voltage of 230V, frequency of 50Hz, and rated working current below 80A. As a protection for single-phase electrical equipment in case of overvoltage or undervoltage caused by neutral line faults, it is mainly used for the protection of residential branch box incoming lines or distribution lines that need to protect single-phase electrical equipment.

型号及含义



Function

Overvoltage protection and automatic reset, automatic opening and closing

Compliant with standards

This product complies with 6.3.2 of the "Code for Electrical Design of Residential Buildings" implemented by the Ministry of Housing and Urban Rural Development on April 1, 2012

The TN-CS, TN-S, and TT grounding forms of low-voltage distribution systems can cause potential deviation due to neutral line faults. Excessive potential deviation can not only burn single-phase electrical equipment and cause fires, but also endanger personal safety. The occurrence of overvoltage and undervoltage is unpredictable. If manual reset is used, it is neither convenient nor safe for households with no one or elderly, young, sick or disabled residents. Therefore, each residential unit should be equipped with a self recovering overvoltage and undervoltage protector

Product Features

When it is lower than the set undervoltage protection value, the protector automatically disconnects the circuit. When it is higher than the set undervoltage protection value, the protector can automatically connect the circuit

When the overvoltage protection value is higher than the set value, the protector automatically disconnects the circuit. When the overvoltage protection value is lower than the set value, the protector can automatically connect the circuit

When the working voltage is between U_{oe} U_{vo} , this protector is in automatic connection state

Modular design, 35mm standard guide rail installation

When there is a transient or transient overvoltage in the circuit, the protector will not malfunction

When the line fault voltage is at its highest, the protector itself will not be damaged

◆ Withstand impulse voltage: 4KV (compliant with the safety standards of Class III electrical appliances)

Main technical parameters

Rated working voltage: $U_n=230V$

◆ Number of poles: Two poles

Undervoltage action value: $U_{oe}=170V \pm 5\%$; Undervoltage recovery value: $190V \pm 5V$

Overvoltage action value: $U_{vo}=280V \pm 5\%$; Overvoltage recovery value: $250V \pm 5V$

Product specifications: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A

◆ Closing delay time t_1 : After restoring normal operating voltage, the circuit will automatically connect after a delay of 8-10 seconds

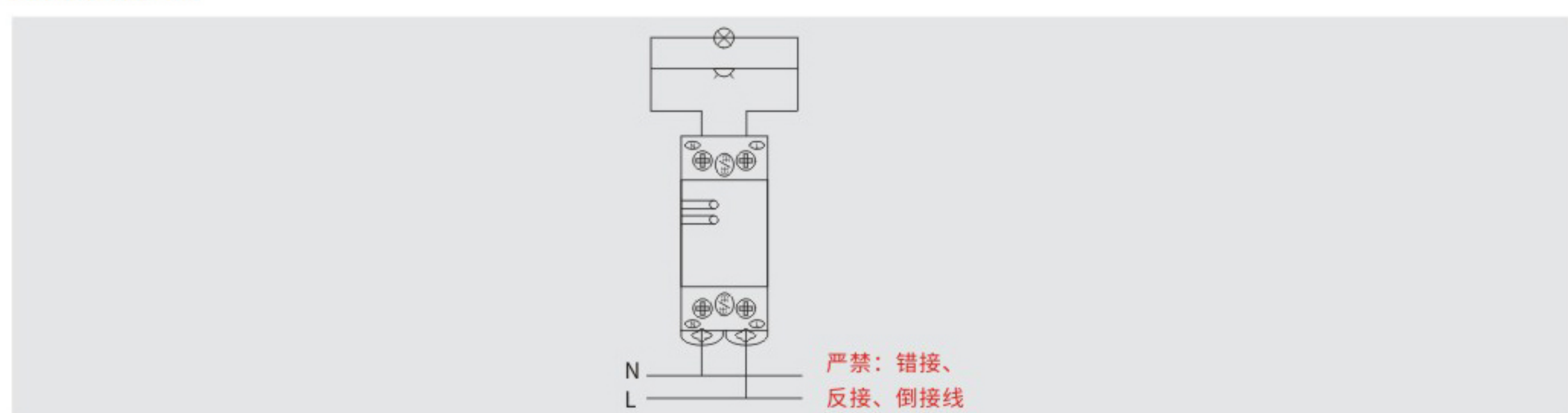
◆ Opening delay time t_2 : After receiving abnormal voltage, the circuit will automatically disconnect after a delay of 2-3 seconds

Power: $\leq 2W$

The lifespan of electrical machinery is 100000 times longer

◆ Wiring: It can simultaneously connect wires and busbars of 25mm² or less

安装接线图



外形及安装尺寸(35mm导轨安装)

