APPEL INNOVATION
The future Technology Company

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The PT-Series: Intelligent Protectors

General and Applications:

The KS-PT series intelligent protectors provide microprocessor data display and are equipped with functions such as real-time monitoring of voltage and current of individual phases of a three-phase network as well as safety warning They are easy to install and operate and suitable for data monitoring and comprehensive protection or comprehensive control of a low-voltage power distribution systems and can be used to protect electric motors and other loads as well as network protection.

Functions:

I. Display:

Nixie screen for real-time display of three phases: network parameters such as voltage, current and error warning as well as operating conditions.

II. Settings:

1.Direct adjustment of options such as current transformer ratio, over voltage protection, under voltage protection, over current protection, three-phase asymmetries protection, delay controll.

2. Automatically store set parameters that will not be lost when power is lost.

III. Protective functions:

1. Self-test recovery function and automatic reset function;
2. Protection against over voltages, over voltages, over currents and three-phase asymmetries;
3. Phase sequence protection.

IV. Border crossing and error warning function:

In the event of a power failure or when a limit is exceeded by a parameter, the Nixie tubes display a warning signal to indicate over voltages, under voltages, over currents, three-phase asymmetries, phase failure, and limit value exceeding by another parameter.

Technical Parameters:

1.Basic parameters:

Power voltage: AC380V±20% 50Hz±5%
Sampling voltage: :AC380V~480V
Sampling current:≤5A
Power consumption:≤3W
Sensitivity:≥100mA

2.Control parameters:

Current change ratio: 1~1000
Over voltage setting: 400V~480V Step length :1V
Under-voltage setting: 300V~360V Step length :1V
Over current setting: 1~9999A
3 phase unbalance ratio setting: 10%~90%
Delay control: 1s~60s

3.Measurement precision:

Voltage:±5%
Current:±5%

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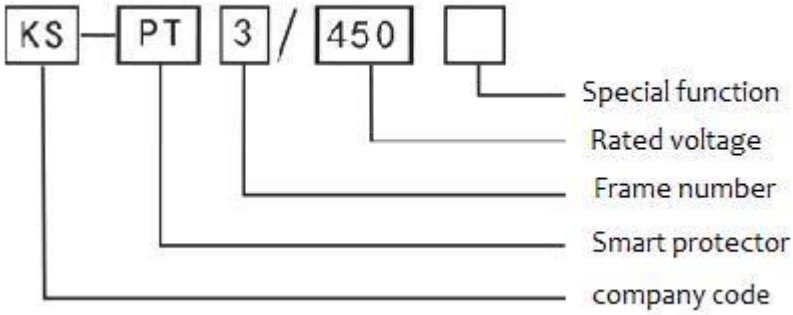
Note:The specific technology parameters can be custom-made base on the customer's requirement.

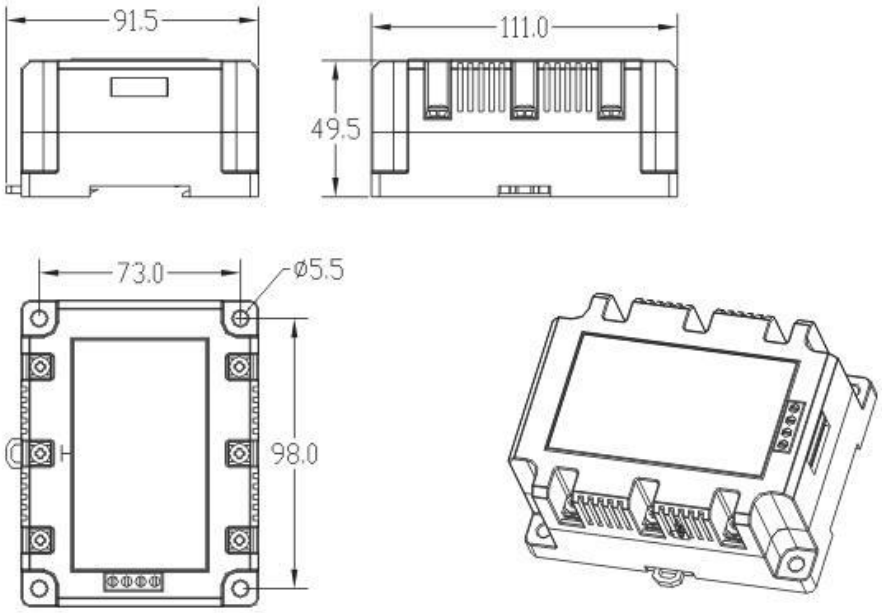
Product code:



Operating conditions:

Elevation Altitude：≤2500m
environment temperature: -20℃~+70℃
Relative humidity: 20%~90% [40℃]
Atmospheric pressure: 79.5Kpa~106Kpa
Environmental conditions: Ambient medium no explosion danger, no gas of damaging the insulation and corrosion of the metal.no conductive dust, installation is not easy to violent vibration, no snow and rain erosion.

Installation Size (Unit:mm)**:**



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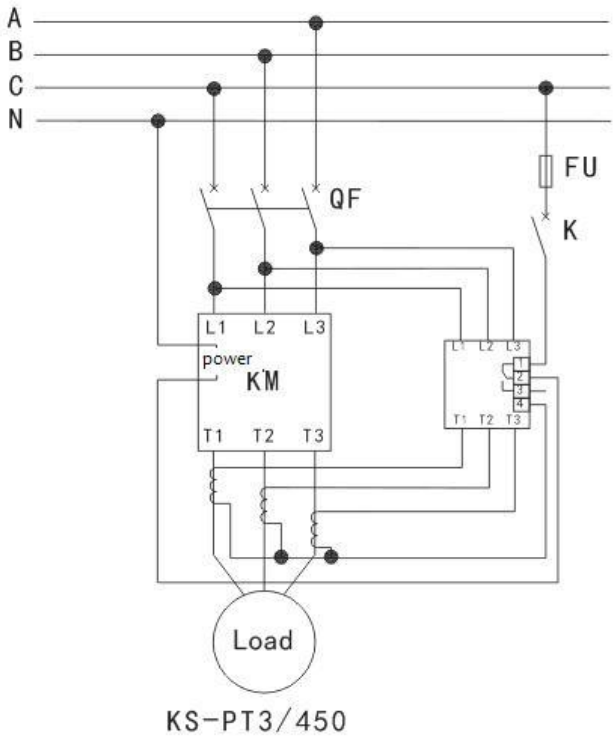
Wiring Diagram:



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