

DC leakage current sensor

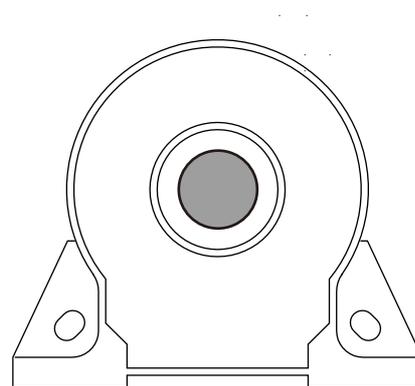
Sub-plate mount, terminal output. Detect DC leakage current. High insulation between primary and secondary circuit.



Installation diagram

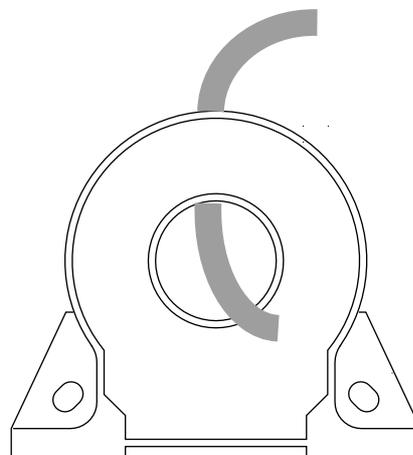
Product features

- Light weight
- Low power consumption
- Good linearity
- No insertion loss
- Fast response time
- Good anti-interference ability



Product application

- Railway
- Metallurgical
- Welding machine
- Robot
- Motor
- Inverter power supply
- Variable frequency governor
- Uninterrupted power supply and communication power supply



Electrical parameters: (The following parameters are typical values and actual values will be subject to product testing)

Remarks

Rated input	10mA	20mA	50mA	100mA	500mA	1A	1.5A	2A	Standard input
Input measurement range	12mA	24mA	60mA	120mA	600mA	1.2A	1.8A	2.4A	Default is 1.2 times the input rating
Rated output	±4V								
Accuracy	1%								
Linearity	0.5%								
Supply voltage (±5%)	±15V								Supply voltage range ±5% Do not order other power supply
Current consumption	≤25mA								Reference will be subject to the measured
Load impedance	Voltage type output: ≥10KΩ								
Zero offset voltage	Voltage type output: ±15mV								TA=25℃
Response time	≤350mS								Reference will be subject to the measured
weight									Reference will be subject to the measured
Operating temperature	-10~+70℃								
Storage temperature	-25~+70℃								
Band width	DC								
Delectric strength	2.5KV 50Hz 1min								

Instruction for use:

- 1.Connect the wires correctly according to the marked connection mode
2. The direction indicated by an arrow for the positive current direction
- 3.With hole measurement, response time and following the speed for the best
- 4.Faulty wiring can lead to product damage and output uncertainty

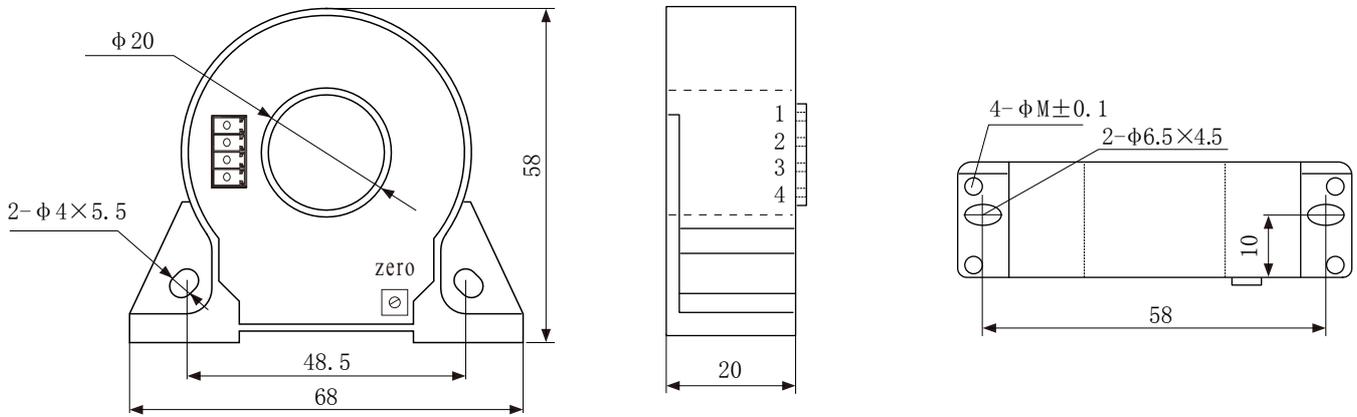
Safe operation:

- *Please read this specification carefully before use.
- *When you need to move the product, please be sure to disconnect the power and all the connected cables.
- *If found shell, devices attached to the fixed parts, wire, or have any damaged, please immediately deal with hidden dangers.
- *If there is any doubt about the safe operation of the equipment, the equipment and the corresponding accessories should be closed immediately, and the fastest time for troubleshooting.

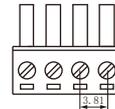
Proclamations:

As our products are constantly being improved and updated, we reserve the right to modify the content of this specification at any time without prior notice.

Dimensions(in mm±0.5) :

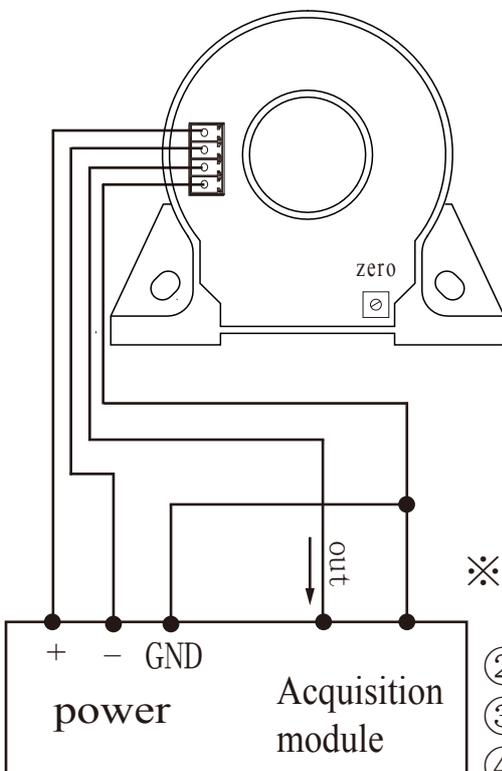


Connector Illustration



Crimping terminal plug, KF2EDGK-3.81-4P spacing 3.81mm

Wiring diagram:



Terminal definition:

- 1: +V
- 2: -V
- 3: out
- 4: GND

- ※① The auxiliary power supply with ripple small ($\leq 20\text{mV}$) is selected
- ② Switch on auxiliary power
- ③ Auxiliary power is connected to the transmitter
- ④ Transmitter detects the primary current