

Dc leakage current sensor

Plate mounting, terminal output. Detection of dc leakage current, high insulation between the original and deputy while circuit.



Front view



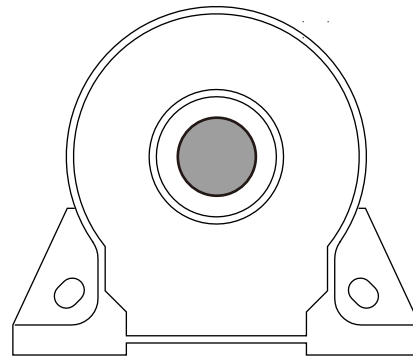
Back view

Fixed hole view

Installation diagram

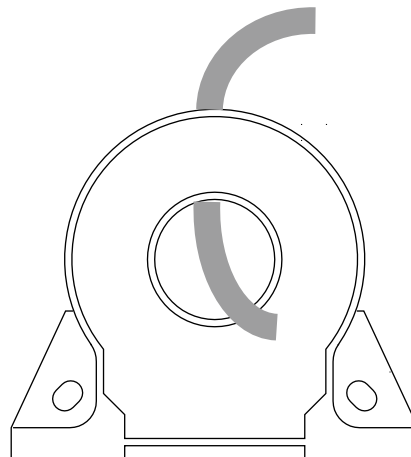
Product features

- 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:

IP	Rated input	10mA	20mA	50mA	100mA	500mA	1A	1.5A	2A	Standard input
IPM	Input measurement range	12mA	24mA	60mA	120mA	600mA	1.2A	1.8A	2.4A	The default is 1.2 times the rated input
OUT	Rated output	$\pm 4V$								
X	Accuracy	1%								I=IP
ϵL	Linearity	1%								I=0~IP
VC	Supply voltage	$\pm 15V$								Supply voltage range $\pm 5\%$ *do not order other power supply
IC	Current consumption	$\leq 25mA$								Reference will be subject to the measured
RL	Load impedance	Voltage type output: $\geq 10K \Omega$								
VOE	Zero offset voltage	Voltage type output: $\leq 30mV$								TA=25°C
TR	Response time	$< 350mS$								Reference will be subject to the measured
N.W	Weight									Reference will be subject to the measured
Ta	Operation temperature	$-10 \sim +70^{\circ}C$								
Ts	Storage temperature	$-25 \sim +85^{\circ}C$								
BW	Band width	DC								Factory test
Vd	Delectric strength	2.5KV 50Hz 1min								

Instruction for use:

1. According to the connection mode of correct connection
2. The direction indicated by an arrow for the positive current direction
3. Response time and tracking progress are the best when the hole is measured
4. Faulty wiring can lead to product damage and output uncertainty

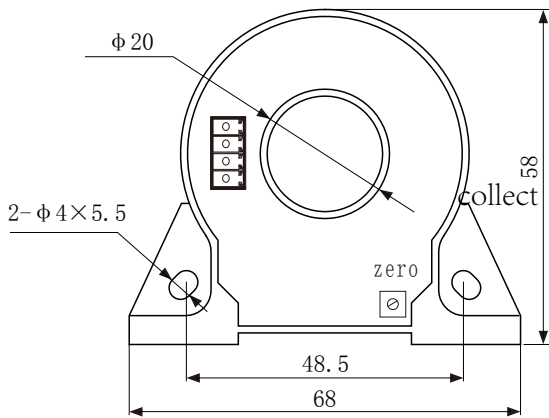
Safe operation:

- *Please read this specification carefully before using the product.
- *When the product needs to be moved, please be sure to cut off the power and unplug all the connecting cables connected to it.
- *If found shell, fixed pieces, the power cord, connection cables, or connected to the equipment has any damage, please power off the device with immediately.
- *If running doubts about the safety of the equipment, all equipment must be switched off and the corresponding accessories, and in the fastest time of illness.

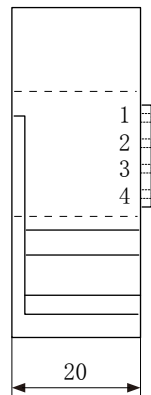
The statement:

As our products have been continuously improved and updated, we reserve the right to modify the content of this specification at any time.

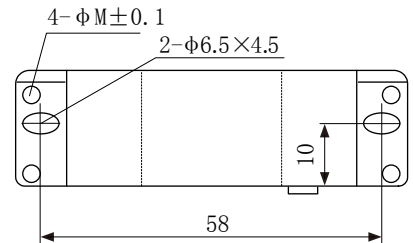
Dimensions (in mm±0.5) :



Front view



Side view



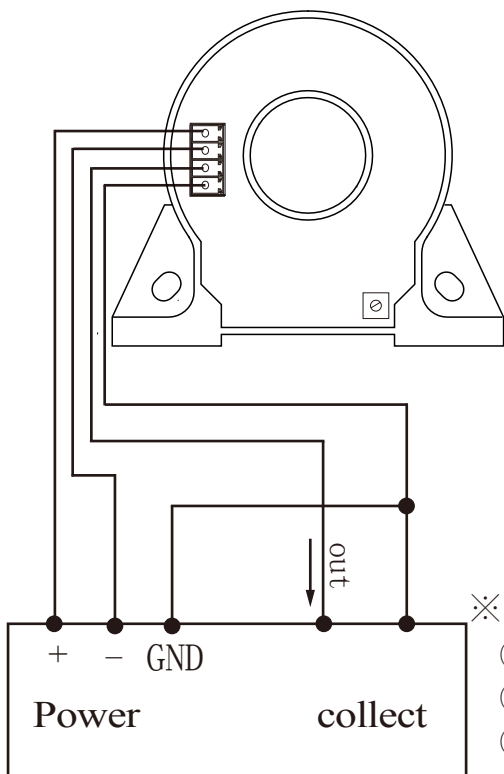
Bottom view

Schematic diagram of connector:

Wiring diagram :(based on 0V)



Crimping terminal plug, KF2EDGK - 3.81-4 p, spacing of 3.81 mm



Terminal definition :

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

Potentiometer definition:

zero

※ **Detection :**

- ① Choose the auxiliary power supply with small ripple (≤10mV)
- ② Switch on auxiliary power
- ③ The auxiliary power is connected to the sensor
- ④ The sensor detects the primary current