

Hall split core current transducer

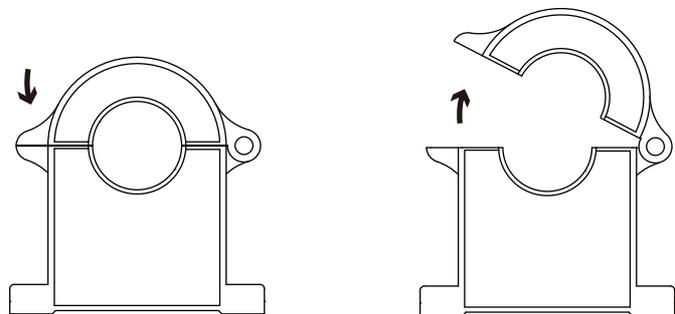
Sub-plate mount, terminal output. Detect AC current. High insulation between primary and secondary circuits.



Product features

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

Installation diagram

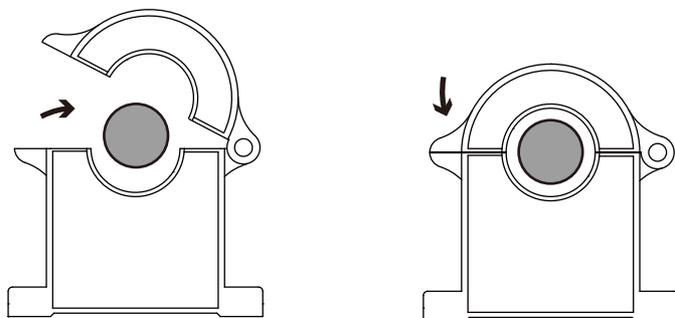


1. Loosen the screw

2. Open up

Product application

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



3. In the lead

4. Tighten the screws

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

Remarks

| | | | | | | | |
|------------------------------|---|------|------|---|------|------|--|
| Rated input | 50A | 100A | 200A | 300A | 400A | 500A | Standard input |
| Input measurement range | 60A | 120A | 240A | 360A | 480A | 600A | Default is 1.2 times the input rating |
| Rated output | 0-20mA/4-20mA/0-5V/1-5V/0-10V | | | | | | Output one of five 0-10V output +24V power supply |
| Accuracy | 1% | | | | | | |
| Linearity | 0.5% | | | | | | |
| Supply voltage ($\pm 5\%$) | +12V / +24V | | | | | | One or the other Supply voltage range $\pm 5\%$ |
| Current consumption | $\leq 48\text{mA} + I_o$ | | | | | | Reference will be subject to the measured |
| Load impedance | Current type output: 250 Ω (Typification) | | | Voltage type output: $\geq 10\text{K}\Omega$ | | | |
| Zero offset voltage | Current type output: $\pm 0.08\text{mA}$ | | | Voltage type output: $\pm 15\text{mV}$ | | | $T_A = 25^\circ\text{C}$ |
| Response time | $< 350\text{mS}$ | | | | | | Reference will be subject to the measured |
| weight | 96g | | | | | | Reference will be subject to the measured |
| Operating temperature | $-10 \sim +70^\circ\text{C}$ | | | | | | |
| Storage temperature | $-25 \sim +70^\circ\text{C}$ | | | | | | |
| Band width | DC $\sim 400\text{Hz}$ | | | | | | |
| Delectric strength | 2.5KV 50Hz 1min | | | | | | |

Instruction for use:

- 1.Connect the wires correctly according to the marked connection mode
- 2.With hole measurement, response time and following the speed for the best
- 3.Faulty wiring can lead to product damage and output uncertainty

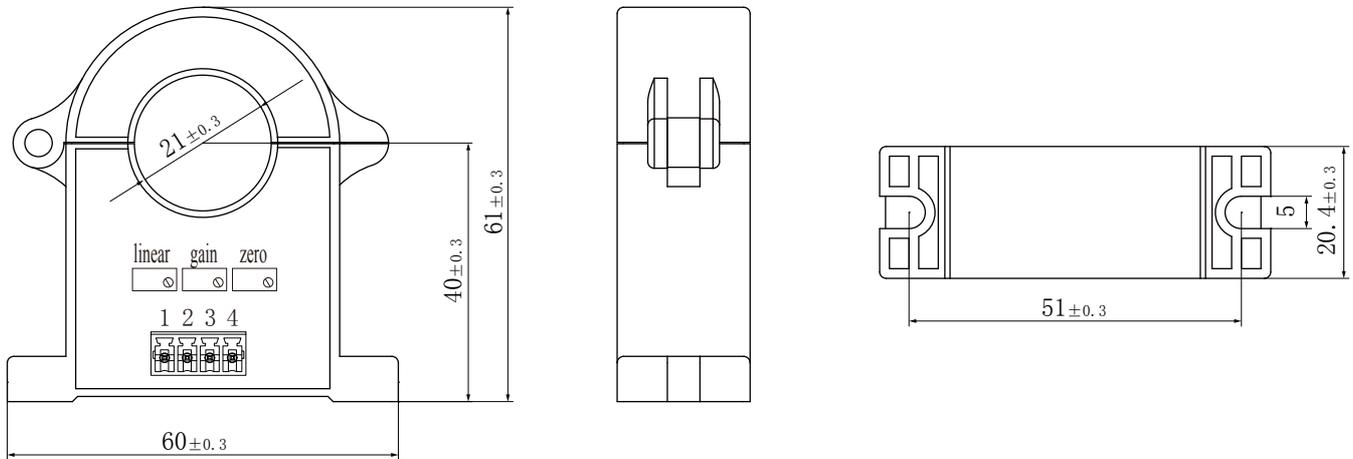
Safe operation:

- *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.

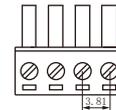
Proclamations:

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) :

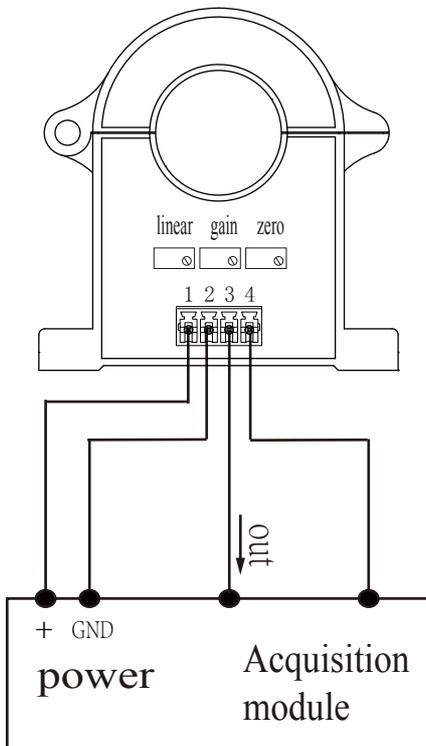


Connector Illustration



Wiring diagram:

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



Terminal definition:

- 1: +V
- 2: GND
- 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
- ⑤ Both GND internals are not isolated