

Introduction:

ZDA325K is based on fluxgate principle, detection of DC leakage current sensor, opening and closing structure, clamp rail installation, high insulation between the primary and secondary side circuit, used to monitor and protect the safety of the power system, this sensor plays an important role in modern power systems.

Technical index:

Flame resistance: UL94-V0

Operating temperature: -10°C ~ +70°C

Storage temperature: -25°C ~ +70°C

Dielectric strength: 2.5KV 50Hz 1min

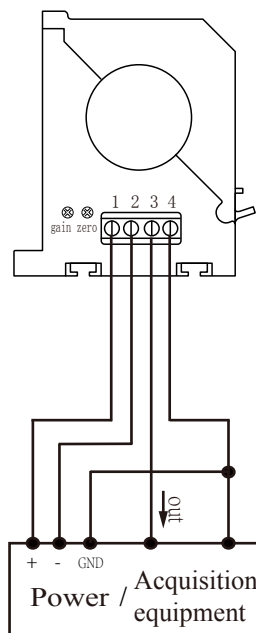
Electrical parameters: (The following parameters are typical values and actual values will be subject to product testing)

| | | | | | | | | |
|-------------------------|---------|------|------|-------|-------|------|------|------|
| Rated Input | 10mA | 20mA | 50mA | 100mA | 500mA | 1A | 1.5A | 2A |
| Input measurement range | 12mA | 24mA | 60mA | 120mA | 600mA | 1.2A | 1.8A | 2.4A |
| Rated output | ± 4V | | | | | | | |
| Accuracy | 1% | | | | | | | |
| Linearity | 0.5% | | | | | | | |
| Supply voltage | ± 15V | | | | | | | |
| Current consumption | ≤ 25mA | | | | | | | |
| Load impedance | ≥ 10K Ω | | | | | | | |
| Zero offset voltage | ± 15mV | | | | | | | |
| Response time | ≤ 350mS | | | | | | | |
| Band width | DC | | | | | | | |
| Weight | 105g | | | | | | | |

Product picture print for reference only, subject to the actual product



Wiring diagram :



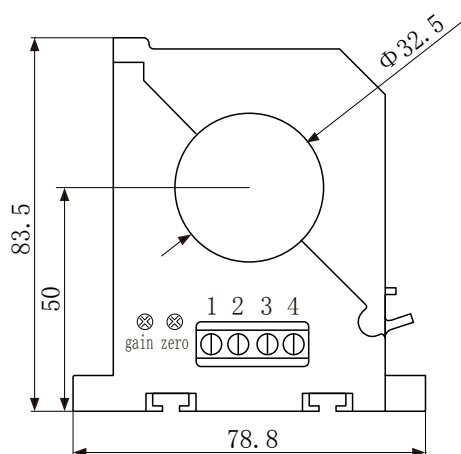
Terminal definition:

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

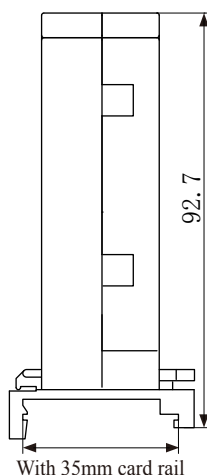
※Detection:

- ① Choose the auxiliary power supply with small ripple (≤20mV)
- ② Switch on auxiliary power
- ③ The auxiliary power is connected to the sensor
- ④ The sensor detects the primary current

Dimensions(in mm±0.5) :



Front view

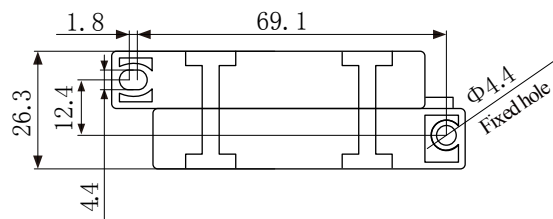


Side view

Connector Illustration :



Crimping terminal fast plug
SY2EDGVC-5.08-04p-4
spacing 5.08mm



Bottom view