HSTS016L/G

Detect DC,AC and pulse current,high insulation between primary side and the vice side circuit.

Product picture printing is for reference only, subject to the actual product

Product application

- Metallurgy
- Welding mahine
- Robot
- Inverter power
- Inverter speed controller
- UPS uninterruptible power supply

Product features

- Light weight
- Low power consumption
- No insertion loss
- Fast response time
- Small size and beautiful appearance
- Hanging installation and easy to use

Electrical parameters:the following parameters are typical values, the actual values shall be subject to the actual measurement of the product

Rated input	±10A	±20A	±30A	±50A	±100A	±150A	±200A
Input measurement range	±15A	±30A	±45A	±75A	±150A	±200A	±200A
Rated output	2.5V±0.625V						
Accuracy	1%（-10～+70℃）						
Linearity	1%						
Rated supply voltage	+5V±5%						
Absolute maximum voltage	＜7V(1) (2)						
Current consumption	≤26mA						
Load impedance	≥10KΩ						
Zero offset voltage	≤±15mV						
Response time	≤5μs						
Weight	86g						
Operation temperature	-10～+70℃						
Storage temperature	-25～+70℃						
Band width	DC~25KHz						
Delectric strength	2.5KV 50Hz 1min						

Calculation formula: 2.5V±0.625V

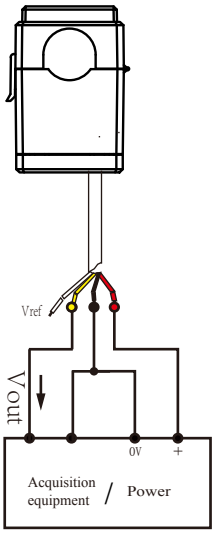
Forward direction: $2.5+(I/I_{PN})*0.625$

Reverse direction: $2.5-(I/I_{PN})*0.625$

I:Actual measured current

I_{PN}:Rated input current

Wiring diagram



Cable definition:

Red: V+

Black: 0V

Yellow: Vout

White: Vref

Factory commissioning :

1.Debug with 0V as the reference point(acquiescence)

2.Debug with Vref as the reference point(optional)

Noted:

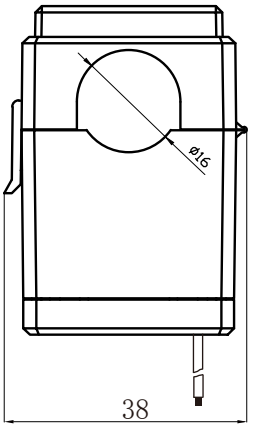
(1) The supply voltage exceeding the absolute maximum rating may cause permanent damage to the sensor!

(2) Prolonged exposure to any absolute maximum rating condition may affect the reliability and service life of the sensor!

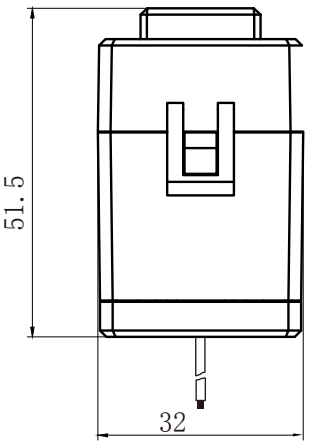
(3) Need power protection circuit or other specifications please contact customer service!

Dimensions(in mm±0.5）:

Current direction



Front view



Side view

Cable specification: 0.2mm² four-core shielding wire

Four core colors: red, black, yellow,white

Cable length: 50cm（50cm~55cm）