HSTS016L/A

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	±20A	±30A	±50A	±100A	±150A	±200A
Input measurement range	±20A	±30A	±50A	±100A	±150A	±200A
Rated output	2.5V±2V					
Accuracy	1%（-10～+70℃）					
Linearity	1%					
Rated supply voltage	+5V±5%					
Absolute maximum voltage	＜6V(1) (2)					
Current consumption	≤26mA					
Load impedance	≥10KΩ					
Zero offset voltage	≤±15mV					
Response time	≤10μs					
Weight	86g					
Operation temperature	-10～+70℃					
Storage temperature	-25～+70℃					
Band width	DC~25KHz					
Delectric strength	2.5KV 50Hz 1min					

Calculation formula: 2.5V±2V

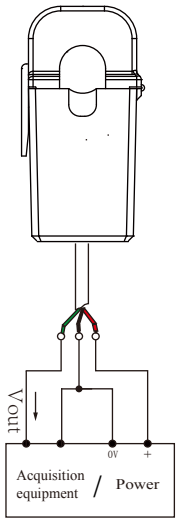
Forward direction: $2.5+(I/I_{PN})*2$

Reverse direction: $2.5-(I/I_{PN})*2$

I:Actual measured current

I_{PN}:Rated input

Wiring diagram



Factory commissioning:

Debugging is based on 0V

Cable definition:

Red: +V

Black: 0V

Yellow: Vout

White: Vref

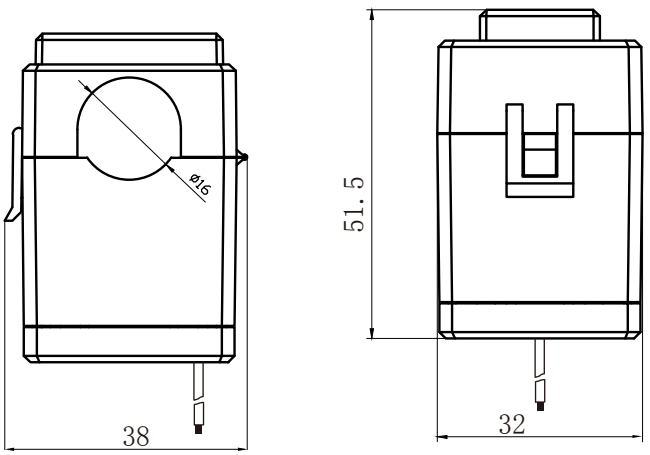
Cable specification: 0.2mm² four-core shielding wire

Four core colors: red, black, yellow,white

Cable length: 50cm（50cm~55cm）

Dimensions(in mm±0.5）:

Current direction



Front view　　Side view

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!