

HSTS016L/B



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
- Suspended mounting 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	Vcc/2±2V					
Accuracy	1% (-10~+70℃)					
Linearity	1%					
Rated supply voltage	+5V±5%					
Absolute maximum voltage	< 8.5V ⁽¹⁾ (2)					
Current consumption	≤12mA					
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: $V_{cc}/2 \pm 2V$

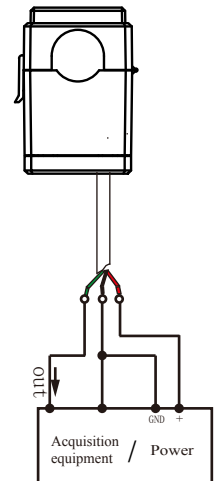
Forward direction: $V_{cc}/2 + (I/I_{PN}) * 2$

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

I: Actual measured current

I_{PN}: Rated input current

Wiring diagram



Factory commissioning:

Debugging is based on 0V

Cable definition:

Red: Vcc

Black: 0V

Green: Vout

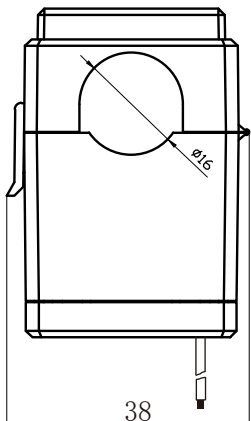
Cable specification: 0.2mm² three-core shielding wire

Four core colors: red, black, green

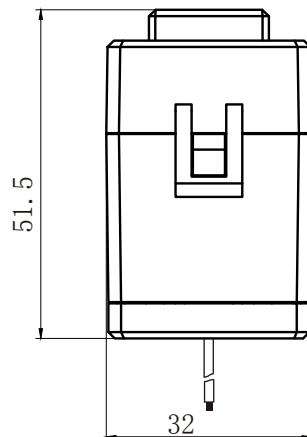
Cable length: 50cm (50cm~55cm)

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!