HSTS016L

Open loop split core type,hanging installation,cable output.
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

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

Product features

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

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	1.65V±0.625V						
Accuracy	1%						
Linearity	1%						
Supply voltage	+3.3V						
Current consumption	≤12mA						
Load impedance	≥10KΩ						
Zero offset voltage	≤±15mV						
Response time	≤5μs						
Weight	81g						
Operation temperature	-10～+70℃						
Storage temperature	-25～+70℃						
Band width	DC~25KHz						
Delectric strength	2.5KV 50Hz 1min						

Cable definition:

Red: +V
Black: 0V
Yellow: Vout
White: Vref (Can be suspended, not grounded)

Potentiometer definition:

K: zero
L: gain

Calculation formula: 1.65V±0.625V 0V datum

Forward direction: 1.65+ (I/IPN) *0.625
Reverse direction: 1.65- (I/IPN) *0.625

Factory commissioning :

1.Debugging with 0V as the reference point(acquiescence)
2.Debug with Vref as the reference point(optional)

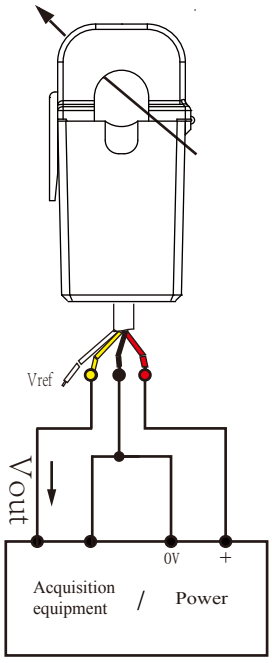
※Detection:

①Choose the auxiliary power supply with small ripple (≤10mV)
②Switch on auxiliary power
③The auxiliary power is connected to the sensor
④The sensor detects the primary current

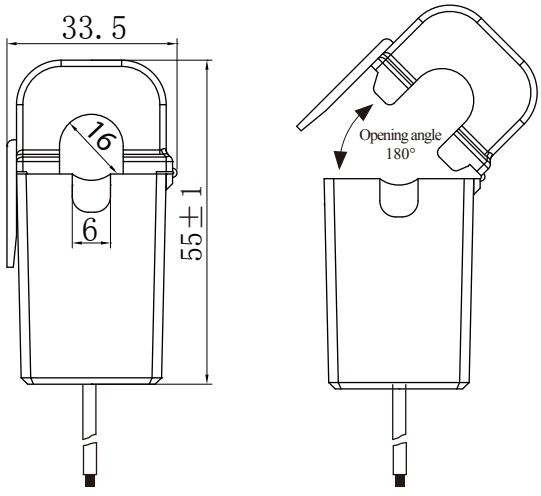
Cable:

Cable specification: 0.2mm² four-core shielding wire
Four core colors: red, black, yellow,white
Cable length: 50cm (50cm~55cm)

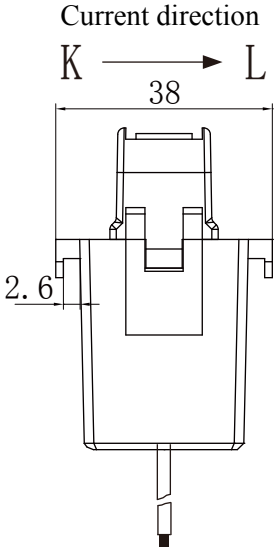
Wiring diagram (based on 0V)



Dimensions(in mm±0.5) :



Front view



Side view