HSTS016I



Hall split core current sensor

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.







Front view

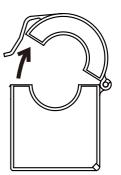
Epoxy view

Opening view

Product features

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

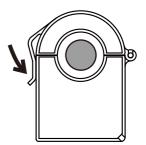
1.Loosen the card buckle



2.Open up

Product application

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



4.Fasten card buckle

3.In the lead

Installation diagram



Electrical parameters: (The following parameters are typical values and actual values will be subject to product testing)							Remarks:
Ιp	Rated input	$\pm 100 \text{A}$	$\pm 200 \text{\AA}$	$\pm 300 \text{\AA}$	±400 A	±500 A	Standard input
Ipm	Input measurement range	$\pm 150 \mathrm{A}$	$\pm 300 \mathrm{A}$	±450 A	±500 A	±500 A	Default is 1.5 times of rated input, and maximum \leq 500A (saturation)
Vout	Rated output	2.5V \pm 0.625V					_ ()
Х	Accuracy	1%					I=Ip
εL	Linearity	1 %					$I=0^{\sim}\pm Ip$
Vс	Supply voltage	+ 5 V					Supply voltage range±5%
Ιc	Current consumption	≤ 16 m A					Reference will be subject to the measured
R1	Load impedance	$\geq 10 \text{ K} \Omega$					Collection port impedance while lower voltage affect accuracy
Voe	Zero offset voltage	$\leq \pm 15 \mathrm{mV}$					TA=25 ℃
Tr	Response time	≪5µs					Reference will be subject to the measured
N.w	Weight	60g					Reference will be subject to the measured
Ta	Operation temperature	$-10 \sim +70 \ \mathrm{C}$					
Τs	Storage temperature	-25 \sim $+70$ $^{\circ}$ C					
Bw	Band width	DC [~] 25KHz					Factory test according to DC
Vd	Delectric strength	2.5KV 50Hz 1min					

Factory commissioning :

Calculation formula: $2.5V \pm 0.625V$ 0V datum

1. Debugging with 0V as the reference point(acquiescence) Forward direction: 2.5+ (I/IP) *0.625

2. Debug with Vref as the reference point(optional) Reverse direction: 2.5- (I/IP) *0.625

Instructions for use:

1. According to the connection mode of correct connection

- 2. The direction shown by the arrow is positive
- 3. With hole measurement, response time and following the speed for the best
- 4. Faulty wiring can lead to product damage and output uncertainty

Safe operation:

*Please read this specification carefully before use.

*When you need to move the product, please be sure to disconnect the power and all the connected cables.

*If found shell, devices attached to the fixed parts, wire, or have any damaged, please immediately deal with hidden dangers.

*If there is any doubt about the safe operation of the equipment, the equipment and the corresponding accessories should be closed immediately, and the fastest time for troubleshooting.

Proclamations:

As our products are constantly being improved and updated, we reserve the right to modify the content of this specification at any time without prior notice.

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