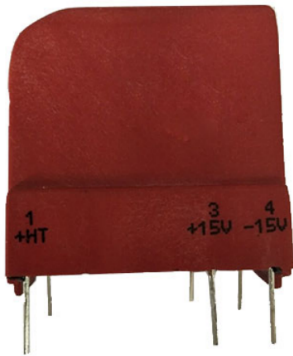


Hall voltage sensor

PCB welding, Detect DC, AC and pulse current, High insulation between primary side and the vice side circuit.



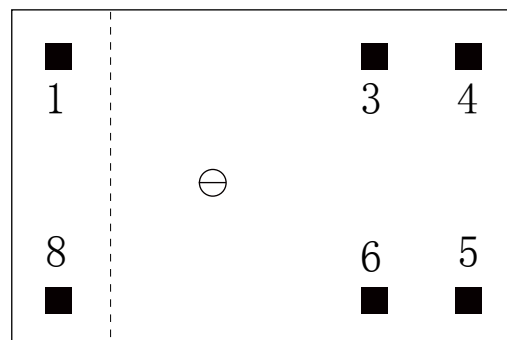
Front view



Bottom view

Product features

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



Product application

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

1 : +HT

8 : -HT

Electrical parameters: (The following parameters are typical values and actual values will be subject to product testing)

Remarks:

I_p	Rated input	$\pm 50V$	$\pm 100V$	$\pm 200V$	Standard input
I_{pm}	Input measurement range	$\pm 70V$	$\pm 150V$	$\pm 300V$	Default is 1.5 times of rated input
V_{out}	Rated output	2.5V \pm 0.625V			Standard output
X	Accuracy	1%			$I=I_p$
ϵ_L	Linearity	0.2%			$I=0 \sim \pm I_p$
V_c	Supply voltage	+5V			Supply voltage range $\pm 5\%$
I_c	Current consumption	$\leq 20mA + I_s$			Reference will be subject to the measured
R_l	Load impedance	$\geq 10K \Omega$			Collection port impedance while lower voltage affect accuracy
V_{oe}	Zero offset voltage	$\leq \pm 30mV$			$T_A=25^\circ C$
T_r	Response time	40 ~ 200 μs			Reference will be subject to the measured
N.w	Weight	39g			Reference will be subject to the measured
T_a	Operation temperature	$-10 \sim +70^\circ C$			
T_s	Storage temperature	$-25 \sim +70^\circ C$			
B_w	Band width	-			Factory test according to DC
V_d	Dielectric 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 V_{ref} as the reference point(optional) Reverse direction: 2.5 - (I/IP) * 0.625

Instruction for use:

1. Correct wiring as indicated
2. Full scale measurement, response time and following the speed for the best
3. Faulty wiring can lead to product damage and output uncertainty

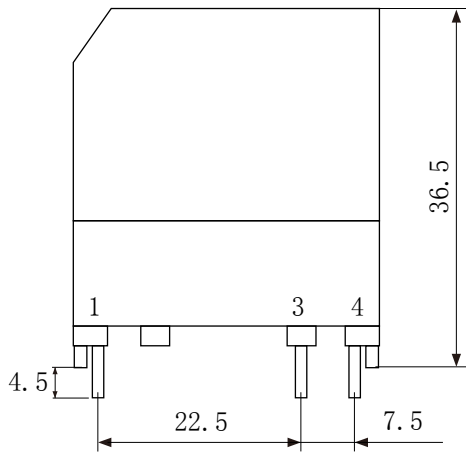
Safe operation:

- *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.

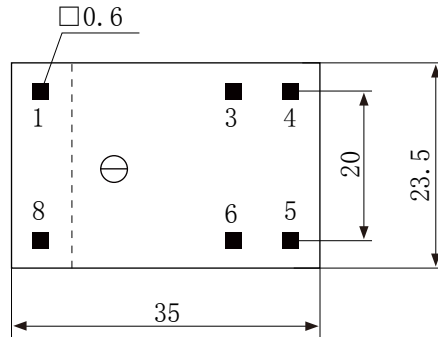
Proclamations:

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.

Dimensions(in mm±0.5) :

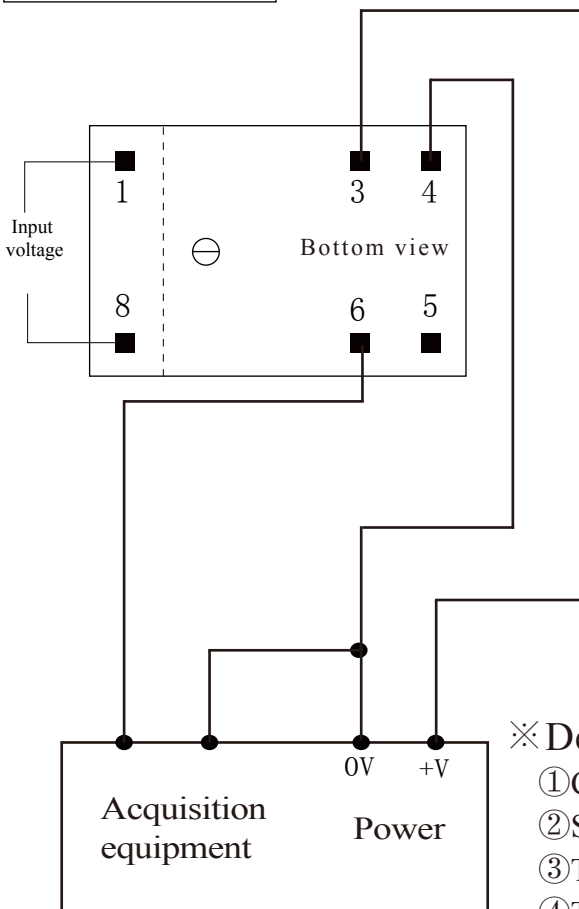


Front view



Bottom view

Wiring diagram:



Pin definition:

- 1: +HT
- 8: -HT
- 3: +V
- 4: 0V
- 5: Vref (Can be suspended, not grounded)
- 6: Vout

※Detection:

- ①Choose the auxiliary power supply with small ripple ($\leq 10\text{mV}$)
- ②Switch on auxiliary power
- ③The auxiliary power is connected to the sensor
- ④The sensor detects the primary current