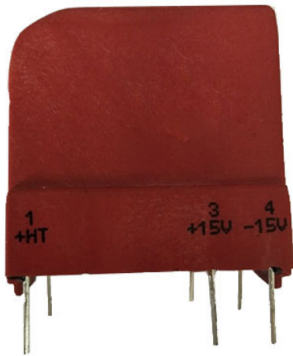


## Hall voltage sensor

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



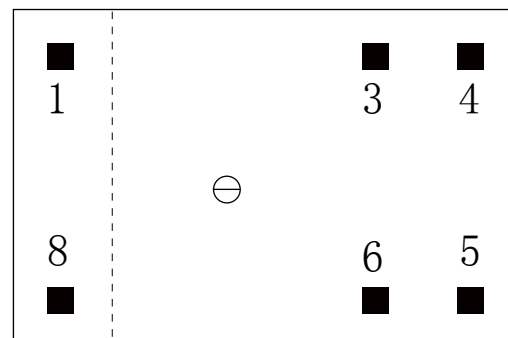
Front view



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	$\pm 5V$			Standard output
X	Accuracy	1%			$I=I_p$
$\epsilon_L$	Linearity	0.2%			$I=0 \sim \pm I_p$
$V_c$	Supply voltage	$\pm 12V / \pm 15V$			One or the other Supply voltage range $\pm 5\%$
$I_c$	Current consumption	$\leq 15mA + I_s$			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	$40 \sim 200 \mu s$			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
$V_d$	Delectric strength	2.5KV 50Hz 1min			

### 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

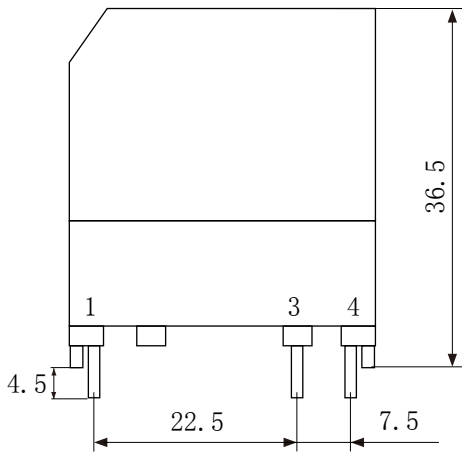
### Safe operation:

- \*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.

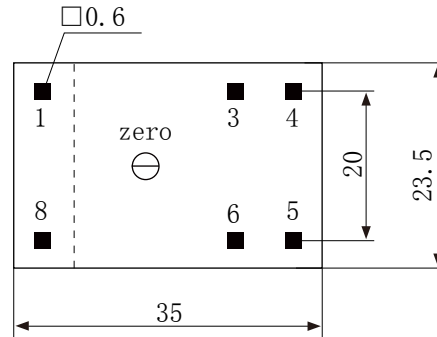
### Proclamations:

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) :**

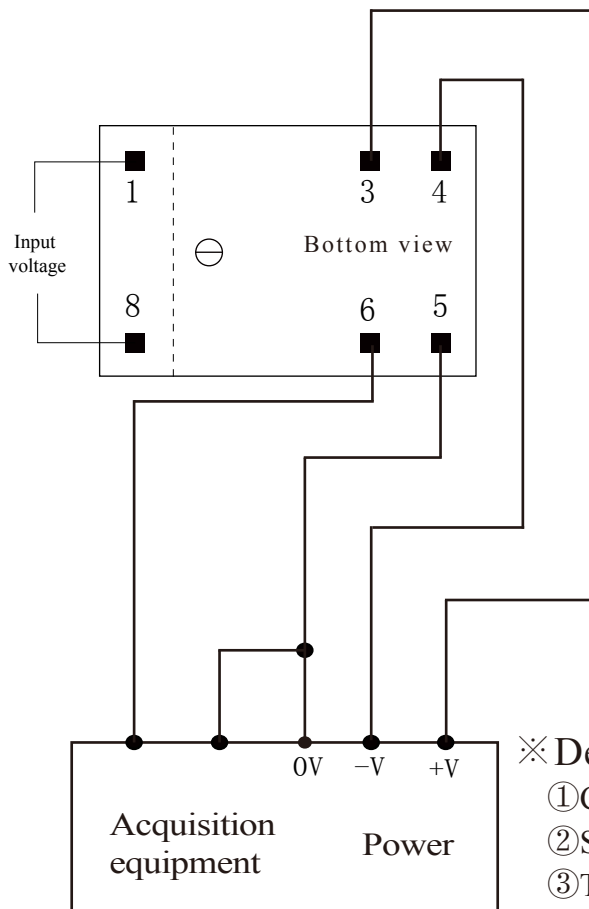


Front view



Bottom view

**Wiring diagram:**



**Pin definition:**

- 1: +HT
- 8: -HT
- 3: +V
- 4: -V
- 5: 0V
- 6: Vout

※ **Detection:**

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