

Characteristics:

1. Open loop split core type, terminal output.
2. Detect DC, AC and pulse current, high insulation
3. Between primary side and the vice side circuit.

Technical index:

1. Flame resistance : UL94-V0
2. Operation temperature: -10℃ ~ +70℃
3. Storage temperature: -25 ° C to +70 ° C
4. Dielectric strength: 6KV 50Hz 1min

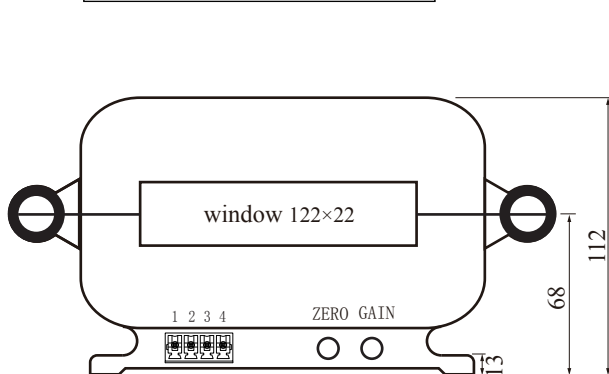
Electrical parameters: The following parameters are typical values. The actual values shall be subject to the actual measurement of the product

I_{PN}	Rated input	±1000A	±2000A	±3000A	±4000A
I_{PM}	Input measurement range	±1200A	±2400A	±3600A	±4800A
V_{OUT}	Rated output	2.5V ± 0.625V			
X	Accuracy	1%			
ϵ_L	Linearity	1%			
V_C	Supply voltage (±5%)	+5V			
I_C	Current consumption	≤ 16mA			
R_L	Load impedance	≥ 10K Ω			
V_{OE}	Zero offset voltage	≤ ± 15mV			
f	Band width	-			
Tr	Response time	≤ 5 μ s			
N.W	Weight	g			

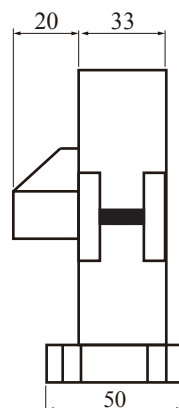
Factory commissioning :

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

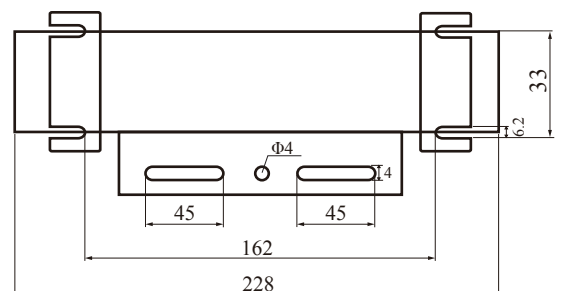
Dimensions (in mm±0.5)



Front view

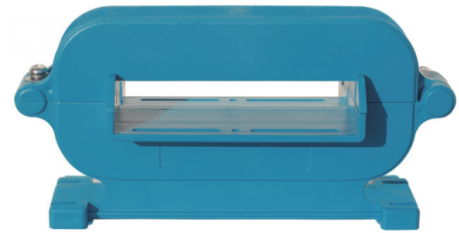


Side view

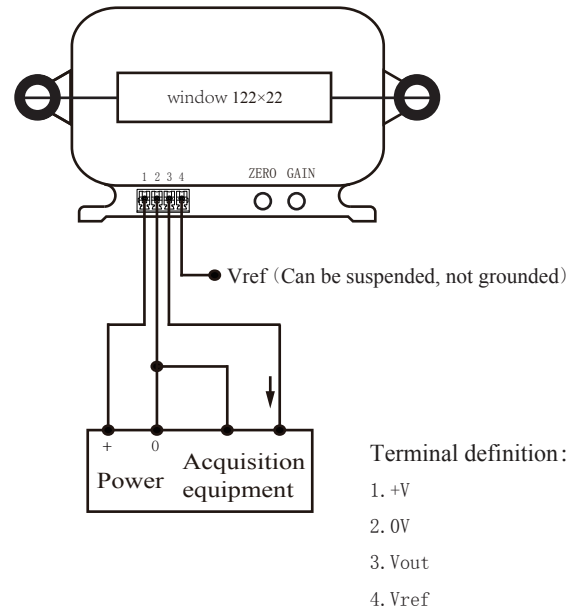


Bottom view

Product picture print for reference only, subject to the actual product



Schematic diagram :



Terminal definition:

1. +V
2. 0V
3. Vout
4. Vref

※Detection :

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

Calculation formula: 2.5V±0.625V 0V datum

Forward direction: $2.5 + (I/I_{PN}) * 0.625$

Reverse direction: $2.5 - (I/I_{PN}) * 0.625$