

Hall open loop current sensor

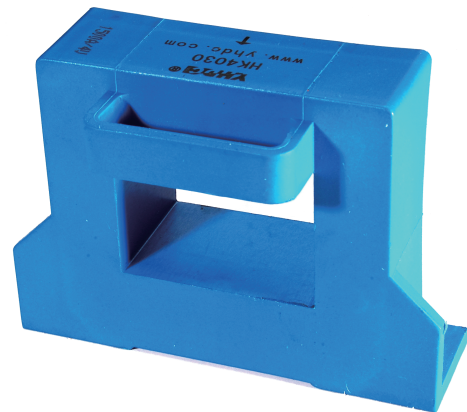


Model: HK4030-S1

Open loop hall circuit, Sub-plate installation.
Detect DC, AC and pulse current

Technical Index:

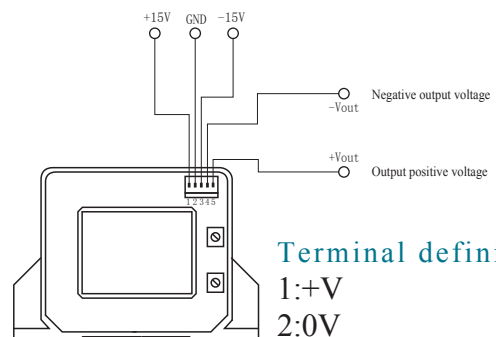
- Flame resistance: UL94-V0
- Working temperature: $-10 \sim +70^{\circ}\text{C}$
- Storage temperature: $-25 \sim +70^{\circ}\text{C}$
- Bandwidth: DC \sim 25kHz
- Dielectric strength: 4.5KV 50Hz 1min



Electrical parameters:

I_P Rated input	± 200	± 500	± 800	± 1000	± 1200	± 1500	A
I_{PM} Input measured range	± 300	± 750	± 1200	± 1500	± 1800	± 2250	A
V_{OUT} Rated output	± 5						V
X Accuracy	1						%
ϵ_L Linearity	1						%
V_C Supply voltage($\pm 5\%$)	$\pm 12 / \pm 15$						V
I_C Current consumption	-						mA
R_L Load impedance	$\geq 10K$						Ω
I_{OE} Zero offset TA= 25°C	$\leq \pm 15$						mV
T_R Response time	5						μs
N.W Weight	266						g

Wiring diagram



Terminal definition:

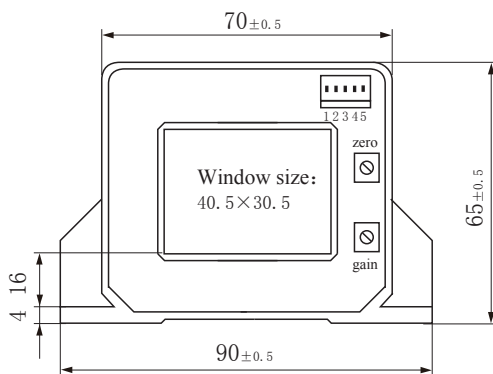
- 1: +V
- 2: 0V
- 3: -V
- 4: -Vout
- 5: +Vout

Connector Illustration:

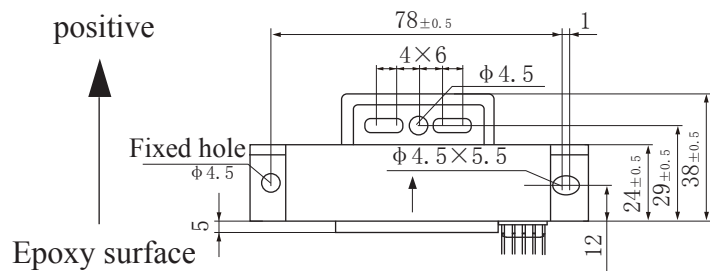


Quick plug which spacing 2.54 mm

Dimensions (in mm) :



Front view



Top view