

# Hall open loop current sensor

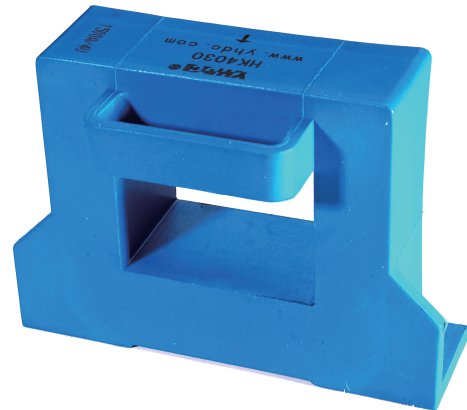


## Model: HK4030-S1

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

### Technical Index:

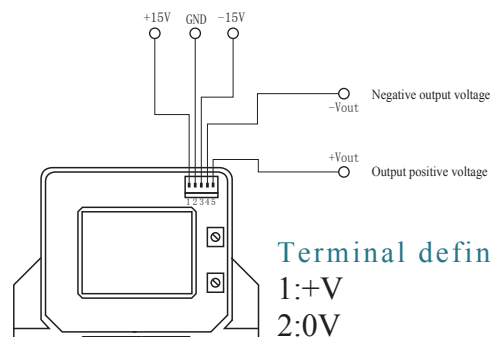
- Flame resistance: UL94-V0
- Working temperature:  $-10 \sim +70^{\circ}\text{C}$
- Storage temperature:  $-25 \sim +70^{\circ}\text{C}$
- Bandwidth: DC  $\sim$  25kHz
- Dielectric strength: 4.5KV 50Hz 1min



### Electrical parameters:

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

### Wiring diagram



### Terminal definition:

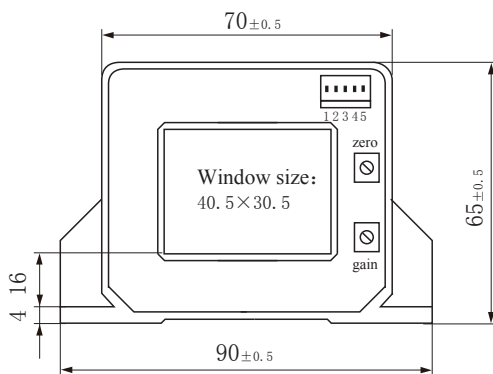
- 1: +V
- 2: 0V
- 3: -V
- 4: -Vout
- 5: +Vout

### Connector Illustration:

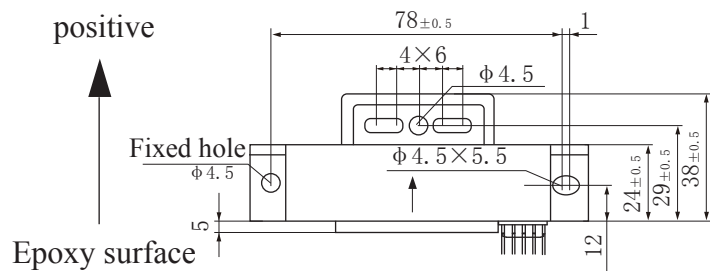


### Dimensions ( in mm ) :

Quick plug which spacing 2.54 mm



Front view



Top view