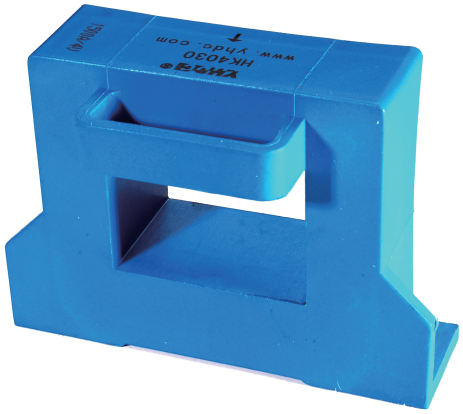
# Hall open loop current sensor

## Model：HK4030



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

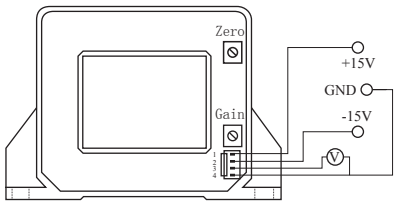
### Technical indicators:

Flame resistance：UL94-V0
Working temperature：-10～+70℃
Storage temperature：-40～+85℃
Bandwidth：DC～25kHz
Dielectric strength：4.5KV 50Hz 1min

### Electrical parameters:

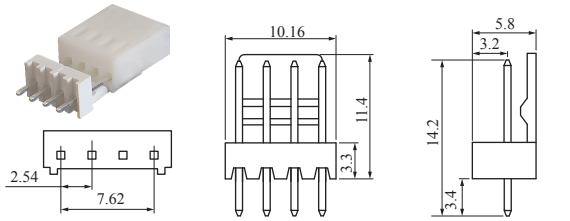
| | | | |
|---|---|---|---|
| $I_P$ | Rated input | ±600 | A |
| $I_{PM}$ | Input measured range | ±1800 | A |
| $V_{OUT}$ | Rated output | ±4 | V |
| X | Accuracy | 1 | % |
| $\varepsilon_L$ | Linearity | ＜0.1 | % |
| $V_C$ | Supply voltage(±5%) | ±15 | V |
| $I_C$ | Current consumption | ±10 | mA |
| $R_L$ | Load impedance | ＞2K | Ω |
| $I_{OE}$ | Zero offset,TA=25℃ | ≤±0.3 | mA |
| $T_R$ | Response time | ＜1 | μs |
| N.W | Weight | 281 | g |

### Connection Diagram:



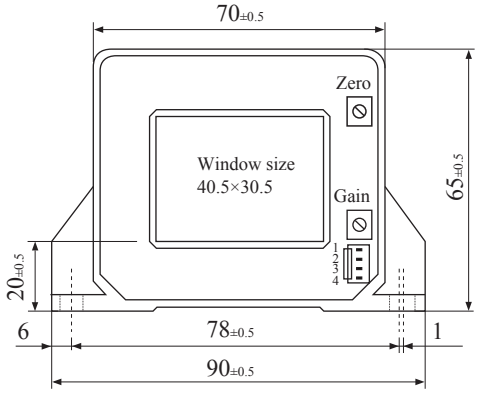

Terminal definition
1:+15V
2:-15V
3:Vout
4:0V

### connector schematic diagram:

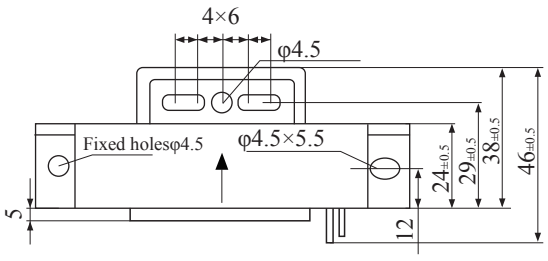



Cold-press terminal plug /socket,Distance 2.54，Stitch size 0.5×0.5

### Dimensions（in mm）:




Front view




Top view