

Hall open loop current sensor



Model: HK18-30

Open loop hall circuit, Bus-bar built-in, PCB welding type, Detect DC, AC and pulse current.

Technical Index:

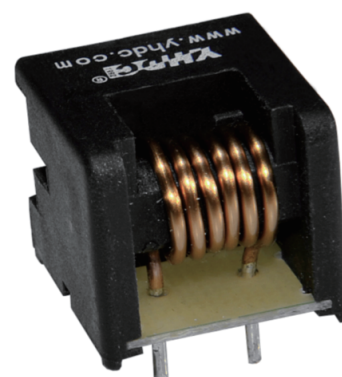
Flame resistance: UL94-V0

Working temperature: $-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Storage temperature: $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Band width: DC $\sim$ 25KHz

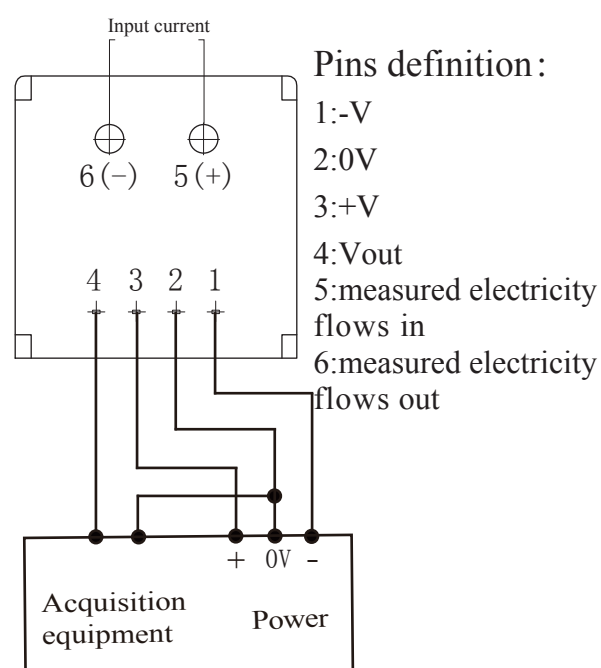
Dielectric strength: 3KV 50Hz 1min



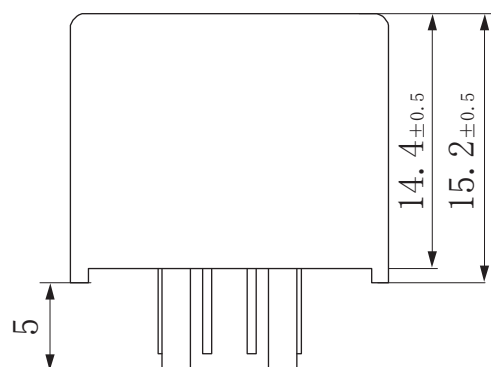
Connection diagram:

Electrical parameters:

I_{PN}	Rated input	± 3	± 5	± 10	± 30	A
I_{PM}	Input measured range	± 4.5	± 7.5	± 15	± 45	A
V_{OUT}	Rated output	± 4				V
X	Accuracy	1				%
ϵ_L	Linearity	1				%
V_C	Supply voltage($\pm 5\%$)	$\pm 12/\pm 15$				V
I_C	Current consumption	$\leq \pm 15$				mA
R_L	Load impedance	≥ 10				K Ω
V_{OE}	Zero offset TA=25 $^{\circ}\text{C}$	$\leq \pm 15$				mV
T_R	Response time	≤ 5				μs
N.W	Weight	39				g

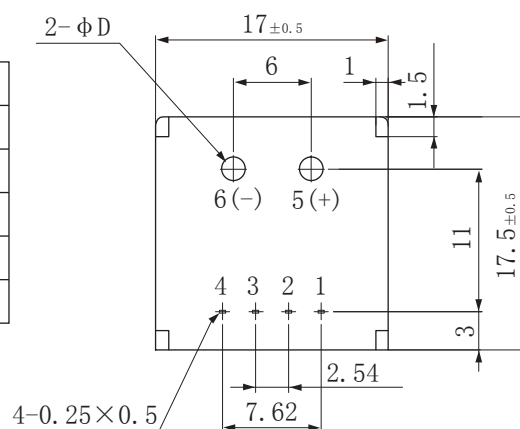


Dimensions (in mm) :



Front view

I_P	ϕD
3A	$\phi 0.6$
5A	$\phi 0.8$
10A	$\phi 1.1$
15A	$\phi 1.4$
20-30A	$\phi 1.8$



Bottom view