

Hall closed loop variable range current sensor



Model: HAX100

Closed loop, busbar built-in, PCB mounting type, Change the primary bus connection mode can get variable five ranges
Detect DC, AC and pulse current.

Technical index:

Flame resistance: UL94-V0

Working temperature: $-10 \sim +80^{\circ}\text{C}$

Storage temperature: $-40 \sim +85^{\circ}\text{C}$

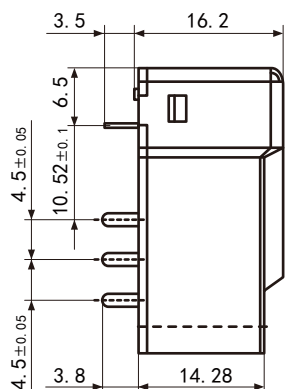
Dielectric strength: 3.5KV 50Hz 1min



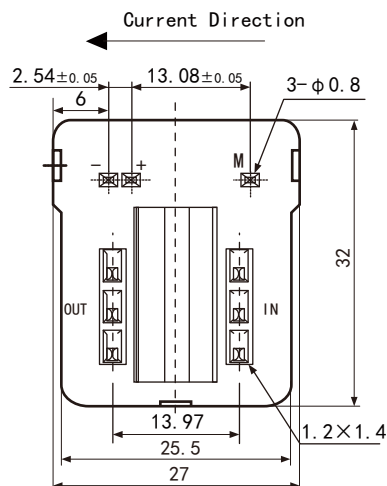
Electrical parameters:

I_{PN}	Rated input	$\pm 16.7, 25, 33.3, 50, 100\text{A}$
I_{PM}	Input measured range	± 160 A
I_{OUT}	Rated output	± 50 mA
X	Accuracy	0.5 %
ϵ_L	Linearity	0.1 %
V_C	Supply voltage($\pm 5\%$)	± 15 V
I_C	Current consumption	± 12 mA+ I_m
R_L	Load impedance	51 Ω
I_{OE}	Zero offset TA=25 $^{\circ}\text{C}$	$\leq \pm 0.3$ mA
T_R	Response time	≤ 1 μs
N.W	Weight	24 g

Rated current A (rms)	Truns of primary	Output current mA (rms)	Measuring range A	Busbar short connection
100	1	50	160	
50	1	25	160	
33.3	2	33.3	80	
33.3	3	50	53	
25	2	25	75	
16.7	3	25	50	



Side view



Bottom view