

Hall closed loop variable range current sensor **YHDC**®

Model: HAXR25

Closed loop, basbar built-in, PCB mounting type;
Detect DC, AC and pulse current.

Technical index:

Flame resistance: UL94-V0

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

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

Band width: -

Dielectric strength: 2.5KV 50Hz 1min

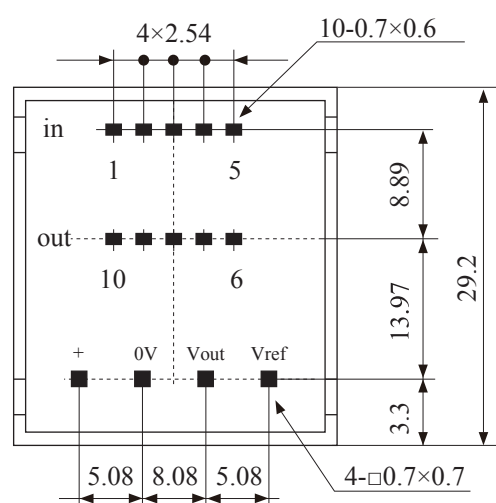


Electrical parameters:

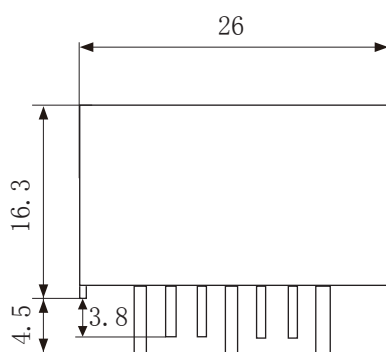
I_{PN}	Rated input	± 25	A
I_{PM}	Input measured range	± 30	A
I_{OUT}	Rated output	2.5 ± 0.625	V
X	Accuracy	1	%
ϵ_L	Linearity	0.2	%
V_C	Supply voltage($\pm 5\%$)	+5	V
I_C	Current consumption	≤ 15	mA + I_s
R_L	Load impedance	$\geq 10K$	Ω
I_{OE}	Zero offset $T_A = 25^{\circ}\text{C}$	$\leq \pm 15$	mV
T_R	Response time	≤ 40	μs
N.W	Weight	23	g

Serial number	Rated current	Measuring range	Output	Busbar short connection
1	25	30	2.5 ± 0.625	
2	12	14.4	2.5 ± 0.6	
3	8	9.6	2.5 ± 0.6	
4	6	7.2	2.5 ± 0.6	
5	5	6	2.5 ± 0.625	

Dimensions (in mm) :



Bottom view



Side view

Connection diagram:

