

Hall closed loop variable range current sensor



Model: HTS25(-3)

Closed loop, basbar built-in, PCB mounting type; Change the connection way of primary busbar can get three variable range.

Technical index:

Flame resistance: UL94-V0

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

Storage temperature: $-40\sim+100^{\circ}\text{C}$

Bandwidth: DC $\sim$ 150kHz

Dielectric strength: 3KV 50Hz 1min

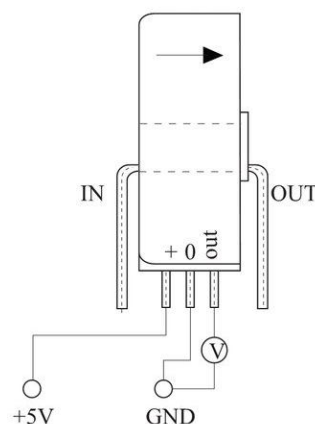


Electric parameters:

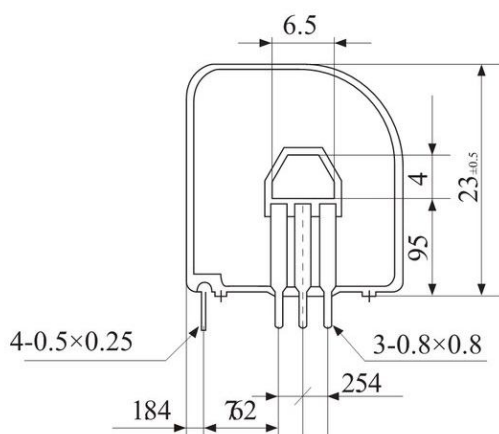
I_p	Rated input	$\pm 8/12/25$	A
I_{PM}	Input measured range	± 80	A
V_{OUT}	Rated output	$2.5\pm 0.625/1.65\pm 0.625$	V
X	Accuracy	0.5	%
ϵ_L	Linearity	< 0.1	%
V_C	Supply voltage($\pm 5\%$)	$+5(+3.3)$	V
I_C	Current consumption	± 28	mA+Im
R_L	Load impedance	$\geq 2K$	Ω
V_{OE}	Zero offset $T_A=25^{\circ}\text{C}$	$\leq \pm 15$	mV
T_R	Response time	< 1	μs
N.W	Weight	10	g

Primary turns	Rated input (A)	Rated output (V)	connection way of primary pins
1	± 25	2.5 ± 0.625 1.65 ± 0.625	
2	± 12	2.5 ± 0.625 1.65 ± 0.625	
3	± 8	2.5 ± 0.625 1.65 ± 0.625	

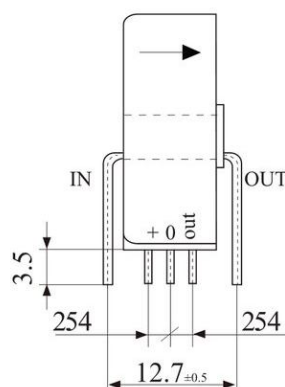
Schematic diagram:



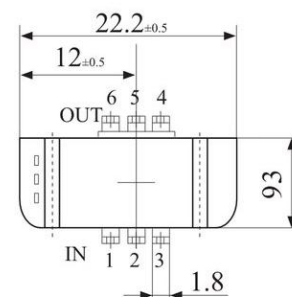
Dimensions (in mm) :



Front view



Side view



Bottom view