Hall split core current sensor

Model：HSTS40

Open loop split core type,Sub-plate installation.
Detect DC,AC and pulse current.



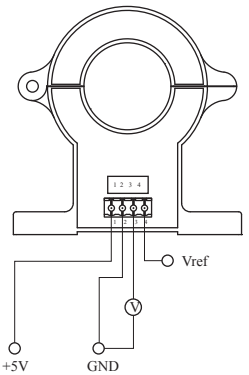
Technical indicators:

Flame resistance：UL94-V0
Working temperature：-20～+70℃
Storage temperature：-40～+85℃
Bandwidth：DC～25kHz
Dielectric strength：2.5KV 50Hz 1min

Electrical parameters:

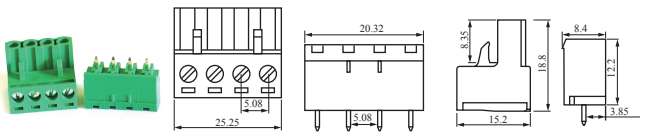
I_P	Rated input	±1000	A
I_{PM}	Input measured range	±2000	A
V_{OUT}	Rated output	2.5±0.625	V
X	Accuracy	1	%
ε_L	Linearity	＜0.1	%
V_C	Supply voltage(±5%)	+5	V
I_C	Current consumption	±15	mA
R_L	Load impedance	≥10K	Ω
V_{OE}	Zero offsetTA=25℃	≤±15	mV
T_R	Response time	＜3	μs
N.W	Weight		g

Connection Diagram:



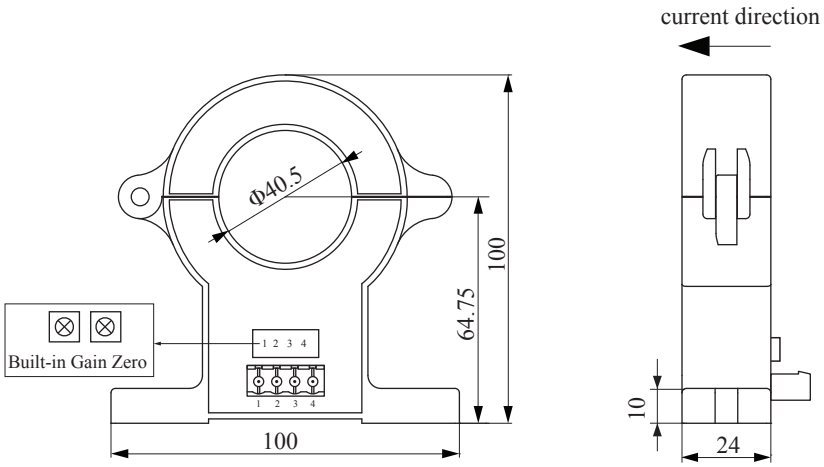
Terminal definition
1:+5V
2:0V
3:Vout
4:Vref

Connector schematic diagram:



Terminal connector,Distance 5.08， Stitch size 1×1

Dimensions（ in mm）:



Front view　　Side view　　Bottom view