

Product Data sheet : Hall Effect Current Sensor - HE050...300T03

Date : 06.03.2011

Rev : 01

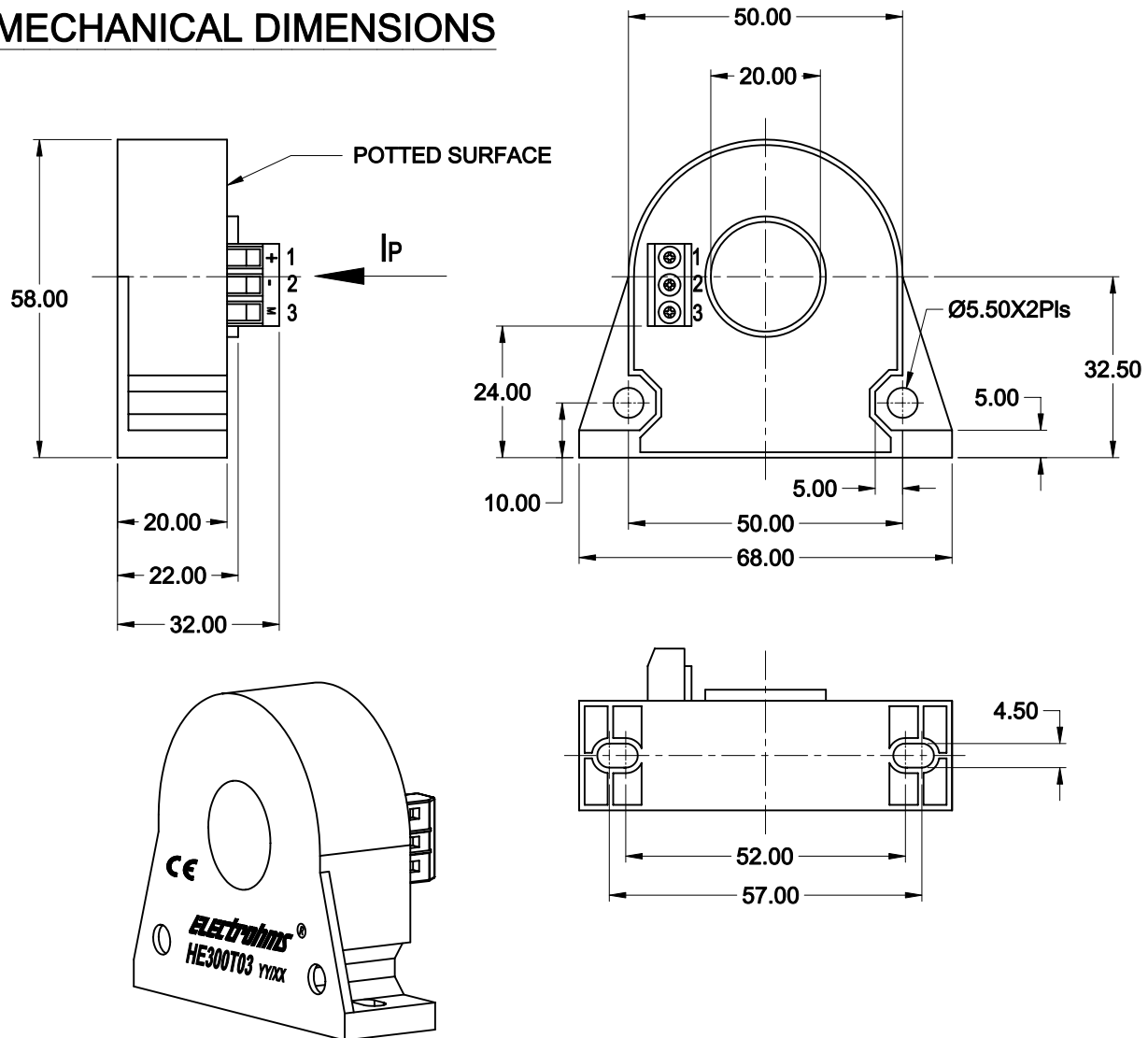
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Customer: Standard

Customer's part No.: ---



● MECHANICAL DIMENSIONS



● APPLICATION :

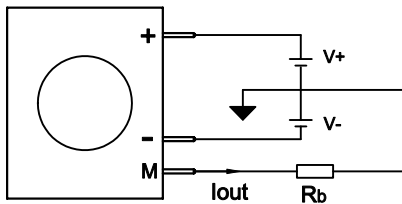
Used for measurement of electric current, AC, DC, Pulsed in electrical & electronic equipment.

● FEATURES :

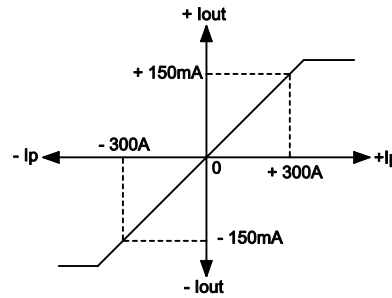
- Closed loop current sensor.
- Flange mounting type.
- Current output.
- All relevant materials are UL approved

GENERAL TOL. ±0.5 mm	
ALL DIMENSIONS ARE IN 'mm'	SCALE -NTS

● CONNECTIONS DIAGRAM



● INPUT & OUTPUT CHARACTERISTICS



+ I_p Indicates primary current flowing in the direction of the arrow

● SPECIFICATIONS @ 25° C **

PARAMETERS	HE050T03	HE100T03	HE200T03	HE300T03	UNITS
PRIMARY NOMINAL CURRENT (I _{pn})	50	100	200	300	A
PRIMARY MEASURING RANGE (I _p)	± 75	± 150	± 300	± 500	A
Burden Resistance (R _b) @ ± 15V, I _{pn}	100	50	25	10	Ω
Conversion Ratio (K)	2000 : 1				---
Current output @ I _{pn} (I _{out})	25	50	100	150	mA
Supply Voltage (V+ / V-), ±5%	+/- 15 to +/-18				V
Current consumption @ ±15V (I _c)	20 + I _s				mA
Accuracy	+/- 1				%
Linearity	< 0.1				%
Output offset current @ I _p = 0.	< ±0.25				mA
Temperature variation of I _{out}	±25 Typ.				ppm
Response time 90% of I _{pn} step	< 1.0				μS
Frequency bandwidth @ -3dB (f _{bw})	DC to 100				kHz
Secondary coil resistance	36				Ω
Dielectric strength Pri to Output terminals	2.5				kVrms
Operating Temperature Range	- 25 to + 85				°C
Storage Temperature	- 40 to + 100				°C
Weight	81 Typ.				g
Standards :	EN 55011 / CISPR 11 EN 61000-4-2 / IEC 61000-4-2 EN 61000-4-3 / IEC 61000-4-3 EN 61000-4-8 / IEC 61000-4-8				

** Specifications subject to change.

Note : ---