

Product Name	Hall current sensor	Model	HA2020
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Characteristics: Epoxy encapsulated, plug terminal, leading wire or PCB welding type output. AC and DC motor, current and voltage detection, battery-powered, and charging current detection. AC /DC current and voltage detection of electromechanical equipment, like welding machine, frequency converter, escalators, cranes, papermaking and printing presses, injection molding machines, lifts and so on.

Technical Data

I_{PN}	Rated Input (Effective value)	300A
I_{PM}	Measuring range	$\pm 45A$
V_{OUT}	Rated output	150mA
X	Accuracy	$\pm 0.5\%$
ϵ_L	Linearity	$< 0.1\%$
V_C	Supply voltage ($\pm 5\%$)	$\pm 15V$
I_C	Current consumption	17mA+ I_m
R_L	Measured impedance	40 Ω
V_{OE}	Zero offset, $T_A=25^\circ C$	$\leq \pm 0.15mA$
t_r	Response time	$< 1\mu s$
BW	Bandwidth	DC..150kHz
T_A	Operating temperature	$-25..+70^\circ C$
T_S	Storage temperature	$-40..+85^\circ C$
V_d	Dielectric strength, 50 Hz, 1 min	6kV



Fire resistance	UL94-V0
Mounting type	Plate-type
Standards	EN50178
Weight	88g

Dimension (mm(in). 1 mm= 0.0394 inch)

