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CURRENT SENSORS FOR INDUSTRIAL APPLICATIONS

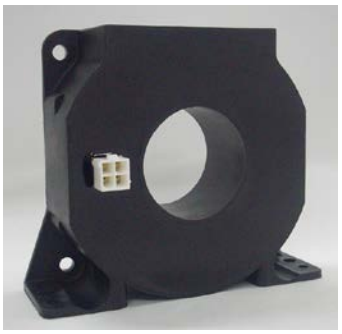
Model MCHT-1000B/4P CLOSED LOOP METHOD

General

●Hall effect accurate measurement for DC/AC/Pulsed current.

●For the use of UPS, SMPS, servo motor drivers, static DC motor drivers, etc.

●High Accuracy and High Current Measurement for the industrial use.



Nominal Primary Current	: 1000A
Measuring Range	: 0~±1800A (at ±24V power supply)
Power Supply Voltage(±5%)	: ±15V~±24V
Secondary Nominal Current	: 250mA (rms)
Current Consumption	: approx. 400mA (at 1000A)
Conversion Ratio	: 1:4000
Accuracy (at 25℃)	: ±0.6% of Nominal Primary Current
Response Time	: @90% of IPN < 1 μs
Operating Temperature	: -25℃~+70℃
Storage Temperature	: -40℃~+85℃
Output Connector	: Molex Mini Fit Jr5566
Weight	: approx. 520 gs.

Other Specification

Measuring Resistance@			
Power Supply Voltage	Measuring Range	R min.	R max.
±15V	@±1000A max. @±1500A max.	0 0	23Ω 6Ω
±18V	@±1000A max. @±1800A max. @±1800A max.	2.5Ω 2.5Ω 2.5Ω	47Ω 32Ω 5Ω
±24V	@±1000A max. @±1800A max.	25Ω 25Ω	60Ω 25Ω

Temperature Drift	Typical	Max.
-20℃～+70℃	±0.3mA	±0.6mA

Safety Standard: EN50178 and IEC61010-1 (RoHS Compliant)

Dimension and Drawing