

Honeywell Sensing and Control

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CSNK500M Closed Loop

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Actual product appearance may vary.

CSN Series closed loop current sensor, measures ac, dc or impulse current, 500 A nominal, ± 1275 amp range, 5000 turn, reduced size

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Product Specifications

Product Type	Closed Loop Linear
Sensed Current Type	ac or dc
Sensed Current Range	± 1275 A
Package Type	Housed
Output Type	Current
Continuous Current	± 1000 A
Operate Current	500 A RMS @ 25 °C
Supply Current	± 20 mA + Output
Supply Voltage	± 15.0 Vdc to ± 18.0 Vdc
Offset Current	$< \pm 0.2$ mA
Offset Current Drift	$< \pm 0.3$ mA
Coil Resistance	50 Ohm
Response Time	< 1 μ s
Coil Turns	5000
Output Nominal	100 mA
Operating Temperature	-40 °C to 85 °C [-40 °F to 185 °F]
Storage Temperature	-40 °C to 90 °C [-40 °F to 194 °F]
Measuring Resistance	0 Ohm min., 75 Ohm max.
Housing Material	Glass-filled PBT (UL94-V0)
Mounting	Panel
Pinout Style	Molex (3-way)
Accuracy	± 0.5 %
Availability	Global
Comment	Reduced size 500 A housed sensor.
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Series Name	CSN