



CSDA1DA



Actual product appearance may vary.

CSDA Series digital current sensor, 0.25 A to 1.0 A operate current, through-hole design, logic level sinking output, operates on AC or DC current, pinout style 3 AMP connector

Features

- Digital output
- AC or DC current sensing
- Through-hole design
- Output voltage isolation from input
- Minimum energy dissipation
- Maximum current limited only by conductor size
- Accurate, low cost sensing
- Operating temperature range -25 °C to 85 °C

Potential Applications

- Variable speed drives
- Overcurrent protection
- Ground fault detectors
- Current feedback control systems
- Robotics
- UPS and telecommunication power supplies
- Welding power supplies
- Automotive - Battery management systems
- Wattmeters

Description

Each Honeywell CS series digital current sensor provides a logic level output that changes from approximately Vcc to 0.4 volts when the sensed current exceeds the operate point. Each digital sensor will operate on ac or dc current, but the output will turn off at every zero crossing when sensing AC current.

Product Specifications	
Product Type	Digital current sensor
Sensed Current Type	ac or dc
Package Style	Accepts three-pin AMP connector
Output Voltage	0.40 V
Output Current	20 mA
Output Type	Voltage
Release Current	0.08 NI min.
Nominal Operate Current @ 25 °C	0.50 NI
Supply Current	12 mA max.
Supply Voltage	6.0 Vdc to 16.0 Vdc
Response Time	100 µs
Minimum Operate Current @ 25 °C	0.32 NI
Maximum Operate Current @ 25 °C	0.88 NI

Operating Temperature Range	-25 °C to 85 °C [-13 °F to 185 °F]
Storage Temperature Range	-40 °C to 100°C [-40 °F to 212 °F]
Housing Material	PBT Polyester
Mounting	Screw mounting
Pinout Style	3-pin, AMP connector
Availability	Global
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Series Name	CSDA

