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NI 9208

16-Channel Current Input Module

- 16 current inputs (± 21.5 mA)
- High-resolution mode with 50/60 Hz rejection
- 500 S/s sample rate (high-speed mode)
- V_{sup} pins for external power routing (2 A/30 V max)
- -40 to 70 °C



Overview

The NI 9208 current input C Series module has 16 channels of ± 21 mA input with built-in 50/60 Hz rejection for noise rejection.

Designed with industrial systems in mind, the NI 9208 has high-channel density to reduce the number of modules needed. This leaves slots open for other measurement types or for reducing the overall per-channel cost of the system.

The NI 9208 has a standard 37-pin D-Sub connection for use with available cables and connector blocks, or the NI 9933 D-Sub connector kit. The NI 9933 contains a D-Sub to screw terminal accessory as well as a protective shell. With this kit, you can create a custom cable that plugs directly into the module to eliminate the need for a separate terminal block.

Specifications

Specifications Documents

- Specifications
- Data Sheet

Specifications Summary

General

Product Name	NI 9208
Product Family	Industrial I/O
Form Factor	CompactDAQ , CompactRIO
Part Number	780968-02 , 780968-01
Operating System/Target	Real-Time
Measurement Type	Current

RoHS Compliant	Yes
Signal Conditioning	0-20 mA current input
Analog Input	
Channels	0 , 16
Single-Ended Channels	16
Differential Channels	0
Resolution	24 bits
Sample Rate	500 S/s
Throughput (All Channels)	500 S/s
Maximum Current Range	-20 mA , 20 mA
Maximum Current Range Accuracy	0.161 mA
Simultaneous Sampling	No
Available Filters	60 Hz , 50 Hz
Analog Output	
Channels	0
Digital I/O	
Bidirectional Channels	0
Input-Only Channels	0
Output-Only Channels	0
Counter/Timers	
Counters	0
Physical Specifications	
Length	9 cm
Width	9 cm
I/O Connector	37-pin D-Sub
Minimum Operating Temperature	-40 °C
Maximum Operating Temperature	70 °C
Minimum Storage Temperature	-40 °C
Maximum Storage Temperature	85 °C

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