NI-9203 Getting Started

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Contents

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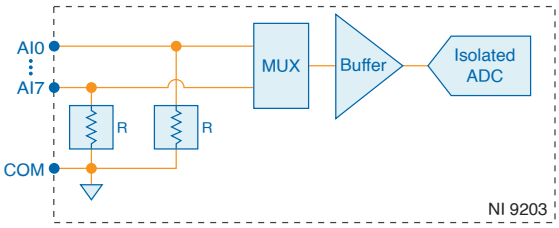
Connector Types

The NI-9203 has more than one connector type: NI-9203 with screw terminal and NI-9203 with spring terminal. Unless the connector type is specified, NI-9203 refers to all connector types.

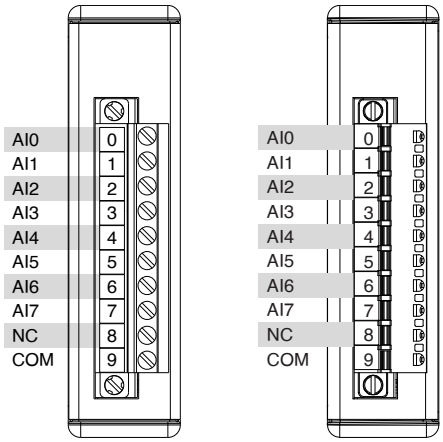
NI-9203 Block Diagram

The input signals are buffered, conditioned, and sampled by a single 16-bit ADC. The module protects each channel from overvoltages. Refer to the Specifications section for information about overvoltage protection.



NI-9203 Pinout

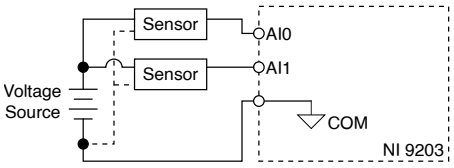
The NI-9203 provides connections for 8 analog input channels.



Each channel has an AI terminal to which you can connect a current signal. The NI-9203 also has a common terminal, COM, that is internally connected to the isolated ground reference of the module.

Connecting Single-Ended Current Signals

You can connect single-ended current signals to the NI-9203.



Note You must use 2-wire ferrules to create a secure connection when connecting more than one wire to a single terminal on the NI-9203.

Conformal Coating

The NI-9203 is available with conformal coating for additional protection in corrosive and condensing environments, including environments with molds and dust.

In addition to the environmental specifications listed in the ***NI-9203 Safety, Environmental, and Regulatory Information***, the NI-9203 with conformal coating meets the following specification for the device temperature range. To meet

this specification, you must follow the appropriate setup requirements for condensing environments. Refer to ***Conformal Coating and NI RIO Products*** for more information about conformal coating and the setup requirements for condensing environments.

Operating humidity (IEC 60068-2-30 Test Db)	80 to 100% RH, condensing

Related information:

- Conformal Coating and NI RIO Products

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