

MAI51

Nexus OnCore 16-Channel TC/RTD Analog Input Module

Product identification

General Electric MAI51 is the Nexus OnCore 16-Channel TC/RTD Analog Input Module for Nexus OnCore. It acquires sixteen thermocouple or RTD temperature-input channels.

Parameter	Official value
Manufacturer	General Electric
Model	MAI51
Product Family	Nexus OnCore
Product Type	Nexus OnCore 16-Channel TC/RTD Analog Input Module

Technical information

Parameter	Official value
Input Type	Thermocouple and RTD
Channels	16
I/O Function	Temperature acquisition
Supply	24 VDC
Maximum Power	1.8 W
Module Architecture	Processor subsystem and temperature acquisition circuit
Ambient Range	-20 to +50 degrees C on the certified nameplate
Hazardous Marking	Class I Division 2 and Zone 2
Installation	Panel-mounted in a minimum IP54 enclosure for ATEX use

Applications

- Acquires thermocouple signals for OnCore temperature monitoring.
- Connects RTD sensors to a sixteen-channel Nexus input module.
- Supports industrial process-temperature measurement in certified panel installations.

Sensor Channels

- Official documentation specifies input type as Thermocouple and RTD for this configuration.
- Official documentation specifies channels as 16 for this configuration.
- Official documentation specifies i/o function as Temperature acquisition for this configuration.

Module Power

- Official documentation specifies supply as 24 VDC for this configuration.
- Official documentation specifies maximum power as 1.8 W for this configuration.
- Official documentation specifies module architecture as Processor subsystem and temperature acquisition circuit for this configuration.

Panel Conditions

- Official documentation specifies ambient range as -20 to +50 degrees C on the certified nameplate for this configuration.
- Official documentation specifies hazardous marking as Class I Division 2 and Zone 2 for this configuration.
- Official documentation specifies installation as Panel-mounted in a minimum IP54 enclosure for ATEX use for this configuration.

Selection and installation checks

- Verify thermocouple or rtd sensor compatibility.
- Match the complete mai51 regional suffix.
- Provide the required enclosure and grounding.

Request a quotation
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Product reference
MAI51
Nexus OnCore 16-Channel TC/RTD Analog
Input Module



Manufacturer source

https://www.governova.com/content/dam/gepower-new/global/en_US/downloads/gas-new-site/products/digital-and-controls/certificates/OnCore/Modules/United_Kingdom/157M0728-ONCORE-Modules-ATEX-Type-Examination-Certificate-RevC.pdf