

MLP50

Nexus OnCore TMR Programmable Logic Control Module

Product identification

General Electric MLP50 is the Nexus OnCore TMR Programmable Logic Control Module for Nexus OnCore. It executes triple-modular-redundant programmable logic for the OnCore emergency-trip system.

Parameter	Official value
Manufacturer	General Electric
Model	MLP50
Product Family	Nexus OnCore
Product Type	Nexus OnCore TMR Programmable Logic Control Module

Technical information

Parameter	Official value
Control Function	TMR programmable logic control
Safety Role	Emergency Trip System plug-in module
Architecture	Triple modular redundant
Supply	24 VDC
Maximum Power	6.8 W
Module Form	Plug-in logic module
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 suitable enclosure

Applications

- Executes protection logic in OnCore emergency-trip-system configurations.
- Supports redundant industrial process-control and protection functions.
- Operates with the matching TMR base hardware in approved panel assemblies.

Safety Logic

- Official documentation specifies control function as TMR programmable logic control for this configuration.
- Official documentation specifies safety role as Emergency Trip System plug-in module for this configuration.
- Official documentation specifies architecture as Triple modular redundant for this configuration.

Electrical Limits

- Official documentation specifies supply as 24 VDC for this configuration.
- Official documentation specifies maximum power as 6.8 W for this configuration.
- Official documentation specifies module form as Plug-in logic module for this configuration.

Certified Installation

- 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 suitable enclosure for this configuration.

Selection and installation checks

- Match the mlp50 with the specified base and project logic.
- Verify firmware and application compatibility.
- Maintain the certified enclosure and grounding provisions.

Request a quotation
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Product reference
MLP50
Nexus OnCore TMR Programmable Logic
Control 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