

MVP51

Nexus OnCore Triple-Redundant LVDT Valve Position Control Module

Product identification

General Electric MVP51 is the Nexus OnCore Triple-Redundant LVDT Valve Position Control Module for Nexus OnCore. It controls valve position with triple-redundant LVDT feedback and an on-board PID servo loop.

Parameter	Official value
Manufacturer	General Electric
Model	MVP51
Product Family	Nexus OnCore
Product Type	Nexus OnCore Triple-Redundant LVDT Valve Position Control Module

Technical information

Parameter	Official value
Feedback Architecture	Triple-redundant LVDT
Control Function	Valve position control
Servo Function	On-board PID control loop
Supply	24 VDC
Maximum Power	11.0 W
I/O Architecture	Redundant input and output channels
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

- Controls valve position where triple-redundant LVDT feedback is required.
- Provides closed-loop actuator control through the documented OnCore servo architecture.
- Supports certified turbine and process-control panel installations.

LVDT Feedback

- Official documentation specifies feedback architecture as Triple-redundant LVDT for this configuration.
- Official documentation specifies control function as Valve position control for this configuration.
- Official documentation specifies servo function as On-board PID control loop for this configuration.

Servo Control

- Official documentation specifies supply as 24 VDC for this configuration.
- Official documentation specifies maximum power as 11.0 W for this configuration.
- Official documentation specifies i/o architecture as Redundant input and output channels for this configuration.

Hazardous 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

- Verify all lvdt feedback channels and actuator wiring.
- Match the complete mvp51 regional suffix.
- Confirm pid configuration before commissioning.

Request a quotation
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Product reference
MVP51
Nexus OnCore Triple-Redundant LVDT Valve
Position 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