

IC670MDL742

5/12/24 VDC Negative Logic Output Module

GE IC670MDL742 is a 5/12/24 VDC Negative Logic Output Module for the Field Control distributed I/O. It provides the documented field interface or control function in the configured system.

BRAND	General Electric	FAMILY	Field Control distributed I/O
PART	IC670MDL742	SYSTEM ROLE	Provides the documented 5/12/24 vdc negative logic output module function

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IC670MDL742

MANUFACTURER SOURCE RECORD

Field Control Distributed I/O and Control System I/O Modules User's Manual
GFK-0826J, June 2002

Product Overview

SYSTEM FUNCTION

GE IC670MDL742 is a 5/12/24 VDC Negative Logic Output Module for the Field Control distributed I/O. It provides the documented field interface or control function in the configured system.

FUNCTION 1

Provides the documented 5/12/24 vdc negative logic output module function

FUNCTION 2

Uses exact catalog identity IC670MDL742 for replacement control

FUNCTION 3

Integrates with the matched Field Control distributed I/O hardware

FUNCTION 4

Supports controlled connection checks and functional verification

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Field Control distributed I/O
Primary interface	Provides the documented 5/12/24 vdc negative logic output module function
Engineering context	The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC670MDL742. Commissioning preserves the installed point map and verifies controlled field response.
Commissioning duty	Complete a controlled signal or load test before returning the station to service.

TECHNICAL NOTE

Install IC670MDL742 only in the documented Field Control distributed I/O position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Output points	16	Module current	8 A maximum
Output logic	Negative logic / current sinking	Inrush current	2 A for 100 ms
User input	4.75 to 5.25 V DC or 10.5 to 28.5 V DC	Response time	200 us maximum on/off
Output voltage	4.5 to 28.25 V DC	Common fuse	10 A slow-blow
Continuous current	25 mA at 5 V; 0.5 A at 10.5 to 28.5 V		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
UR9GH	product page	View UR9GH page
IC693ACC302B	product page	View IC693ACC302B page
A06B-6087-H155	product page	View A06B-6087-H155 page
HE693ADC415	product page	View HE693ADC415 page
A06B-6102-H245-H520	product page	View A06B-6102-H245-H520 page
IS200WROBH1AAA	product page	View IS200WROBH1AAA page
IS200STCIH2A	product page	View IS200STCIH2A page
IC695PNS001	product page	View IC695PNS001 page

ENGINEERING BOUNDARY

Confirm IC670MDL742, Field Control distributed I/O host, hardware revision, terminal or connector type, power and signal ranges, wiring, grounding, bus configuration, companion accessories and controlled commissioning results before service release.

Applications and Precautions

Common Applications

Field Control distributed I/O station maintenance

Restores the documented 5/12/24 vdc negative logic output module function in an engineered station.

Distributed I/O refurbishment

Uses exact IC670MDL742 identity when rebuilding the recorded field interface.

Control-panel modernization

Preserves the approved terminal, power and communications arrangement during migration work.

Controlled recommissioning

Verifies point mapping, diagnostics and field response before process release.

Product Precautions

- 1

Confirm the full IC670MDL742 catalog marking and installed Field Control distributed I/O position before work.
- 2

Isolate the station supply and connected field energy using the approved procedure.
- 3

Record every terminal, common, shield, connector and configured point before removal.
- 4

Use ESD controls and protect backplane, terminal and connector contacts from contamination.
- 5

Verify each documented value for IC670MDL742 against the installed host and field circuit.
- 6

Restore the approved terminal assembly, power grouping and configuration record.
- 7

Energize in the prescribed sequence and review module, bus and point diagnostics.
- 8

Complete a controlled signal or load test before returning the station to service.

IMPORTANT NOTICE

Confirm IC670MDL742, Field Control distributed I/O host, hardware revision, terminal or connector type, power and signal ranges, wiring, grounding, bus configuration, companion accessories and controlled commissioning results before service release.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	IC670MDL742
Configuration	Energize in the prescribed sequence and review module, bus and point diagnostics.
Functional release	Complete a controlled signal or load test before returning the station to service.

Engineer FAQ

Q1 How is IC670MDL742 identified?

Match the complete catalog number and the 5/12/24 VDC Negative Logic Output Module designation.

Q3 What records are retained before removing IC670MDL742?

Record terminals, commons, shields, connectors, point mapping and diagnostics.

Q5 Which official values govern IC670MDL742?

Output points: 16; Output logic: Negative logic / current sinking; User input: 4.75 to 5.25 V DC or 10.5 to 28.5 V DC; Output voltage: 4.5 to 28.25 V DC.

Q7 Which diagnostics follow IC670MDL742 energization?

Review module, bus and channel status in the prescribed startup sequence.

Q2 Which system accepts IC670MDL742?

Use the documented Field Control distributed I/O carrier, terminal and bus arrangement.

Q4 How is IC670MDL742 isolated safely?

Isolate station and field supplies, prove the safe state and apply ESD controls.

Q6 How is IC670MDL742 configuration restored?

Restore the approved hardware execution, power grouping and point map.

Q8 What releases IC670MDL742 to service?

A controlled signal or load test with the expected field response and no active diagnostic.

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