

IC693MDL741G

12/24 VDC 16-Point Negative Logic Output Module

GE IC693MDL741G is a 16-point 12/24 VDC negative-logic output module for the Series 90-30 PLC. It switches two groups of eight field outputs from the configured PLC output table.

BRAND	GE	FAMILY	GE Series 90-30 PLC
PART	IC693MDL741G	SYSTEM ROLE	Switches sixteen negative-logic DC field outputs

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IC693MDL741G

MANUFACTURER SOURCE RECORD

Series 90-30 PLC I/O Module Specifications
GE Fanuc GFK-0898F, July 2000

Product Overview

SYSTEM FUNCTION

GE IC693MDL741G is a 16-point 12/24 VDC negative-logic output module for the Series 90-30 PLC. It switches two groups of eight field outputs from the configured PLC output table.

FUNCTION 1

Switches sixteen negative-logic DC field outputs

FUNCTION 2

Separates the points into two independently wired groups

FUNCTION 3

Uses the Series 90-30 backplane for logic and module control

FUNCTION 4

Provides front status indication for output commands

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	GE Series 90-30 PLC
Primary interface	Switches sixteen negative-logic DC field outputs
Engineering context	Use IC693MDL741G only with its documented host, interfaces and accessories; record the as-found arrangement and complete a controlled functional verification after installation.
Commissioning duty	Command each output under controlled conditions and verify load response.

TECHNICAL NOTE

Install IC693MDL741G only in the documented GE Series 90-30 PLC arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	USA	Output voltage	12 to 24 VDC, +20/-15 percent
HS code	8537101190	Current per point	0.5 A maximum
Output points	16	Current per common	2 A maximum
Output grouping	2 groups of 8	On/off response	2 ms maximum
Logic type	Negative logic	Field-to-logic isolation	1500 V

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC693CHS398	Series 90-30 baseplate	View IC693CHS398 page
DS200TCDAF1BCM	digital I/O board	View DS200TCDAF1BCM page
IS200ECTBG1A	terminal board	View IS200ECTBG1A page
IS200EMIOH1ACA	exciter I/O board	View IS200EMIOH1ACA page
IS200STAOH2AAA	analog output module	View IS200STAOH2AAA page
IS200BTCH1BBB	control card	View IS200BTCH1BBB page
IS200TRTDH1CCC	RTD terminal board	View IS200TRTDH1CCC page
IS200ACLEH1BCB	control layer module	View IS200ACLEH1BCB page

ENGINEERING BOUNDARY

Confirm the complete IC693MDL741G marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Applications and Precautions

Common Applications

Series 90-30 actuator control

Commands documented relays, solenoids or indicators from the PLC.

Machine-control panel service

Restores a documented sixteen-point negative-logic output position.

Two-group output marshalling

Separates field loads across the module's two common groups.

Output interlock verification

Supports controlled command and field-response checks after maintenance.

Product Precautions

- 1

Confirm IC693MDL741G and hardware revision G on the module label.
- 2

Place all connected loads in a safe state and isolate field power.
- 3

Record both commons and every output point before disconnecting wiring.
- 4

Verify negative-logic polarity and the external 12/24 VDC source.
- 5

Inspect terminal-block keying, baseplate connector and conductor condition.
- 6

Restore the documented Series 90-30 slot and output mapping.
- 7

Check backplane and module diagnostics before enabling field power.
- 8

Command each output under controlled conditions and verify load response.

IMPORTANT NOTICE

Confirm the complete IC693MDL741G marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	IC693MDL741G
Configuration	Check backplane and module diagnostics before enabling field power.
Functional release	Command each output under controlled conditions and verify load response.

Engineer FAQ

Q1 What identity details must be checked before IC693MDL741G is removed?

Confirm IC693MDL741G, Series 90-30 baseplate and CPU, revision G, I/O slot, two eight-point groups, 12/24 VDC field source, negative-logic wiring, load currents, commons, grounding, output map and controlled actuation-test results before commissioning.

Q3 Which GE Series 90-30 PLC interfaces must be recorded for IC693MDL741G?

The module occupies an I/O slot in a Series 90-30 baseplate and uses a user-supplied field source. Commissioning covers slot configuration, two-group commons, load wiring, output-table mapping, current limits and controlled actuation tests.

Q5 How should the installed configuration be restored after fitting IC693MDL741G?

Restore the documented Series 90-30 slot and output mapping.

Q7 What replacement records should be retained for IC693MDL741G?

Confirm IC693MDL741G and hardware revision G on the module label. Inspect terminal-block keying, baseplate connector and conductor condition.

Q2 How does IC693MDL741G perform its documented 12/24 vdc 16-point negative logic output module role?

Switches sixteen negative-logic DC field outputs. It switches two groups of eight field outputs from the configured PLC output table.

Q4 What isolation and ESD controls apply while handling IC693MDL741G?

Place all connected loads in a safe state and isolate field power. Record both commons and every output point before disconnecting wiring.

Q6 Which diagnostic evidence confirms that IC693MDL741G is recognized correctly?

Check backplane and module diagnostics before enabling field power.

Q8 What final acceptance test is required before IC693MDL741G returns to service?

Command each output under controlled conditions and verify load response.

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