

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Series 90-30 PLC
Part number	IC693MDL741G
Product role	Switches sixteen negative-logic DC field outputs
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING 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.

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IC693MDL741G

Technical Specifications

Technical values below are limited to the named GE product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	USA	Current per common	2 A maximum
HS code	8537101190	On/off response	2 ms maximum
Output points	16	Field-to-logic isolation	1500 V
Output grouping	2 groups of 8	Group-to-group isolation	500 V
Logic type	Negative logic	Backplane current	110 mA at 5 VDC
Output voltage	12 to 24 VDC, +20/-15 percent	Output fuses	None
Current per point	0.5 A maximum	Hardware revision	G

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	GE Series 90-30 PLC
Primary system role	Switches sixteen negative-logic DC field outputs
Connection boundary	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.
Controlled acceptance duty	Series 90-30 actuator control

ENGINEERING BOUNDARY

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

Pre-Installation Checks

- 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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	IC693MDL741G
Installed host	GE Series 90-30 PLC
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	GE Series 90-30 PLC
2	8537101190
3	Series 90-30 actuator control
4	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.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	GE Series 90-30 PLC
Interface role	Switches sixteen negative-logic DC field outputs
Field / power 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 evidence	Command each output under controlled conditions and verify load response.

Installation and Connection Checks

- 1

Inspect terminal-block keying, baseplate connector and conductor condition.
- 2

Restore the documented Series 90-30 slot and output mapping.
- 3

Check backplane and module diagnostics before enabling field power.
- 4

Command each output under controlled conditions and verify load response.

MANUFACTURER SOURCE RECORD

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

Applications and Engineering Context

Series 90-30 actuator control

Commands documented relays, solenoids or indicators from the PLC.

Two-group output marshalling

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

Machine-control panel service

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

Output interlock verification

Supports controlled command and field-response checks after maintenance.

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.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	IC693MDL741G recorded
Host / carrier	GE Series 90-30 PLC
Physical interface	Switches sixteen negative-logic DC field outputs
Configuration	Check backplane and module diagnostics before enabling field power.
Functional proof	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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	IC693MDL741G
Approved role	Series 90-30 actuator control
Final validation	Command each output under controlled conditions and verify load response.

Engineering 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.

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
IS200TBTC1BBB	control card	View IS200TBTC1BBB page
IS200TRTDH1CCC	RTD terminal board	View IS200TRTDH1CCC page
IS200ACLEH1BCB	control layer module	View IS200ACLEH1BCB page

MANUFACTURER SOURCE RECORD

Series 90-30 PLC I/O Module Specifications
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