

Installation Identity and Scope

GE IC693DSM302 is a two-axis motion controller for the Series 90-30. It integrates DSP servo control, motion programs, follower operation and documented field interfaces with the PLC application.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC693DSM302
Manufacturer	GE
Hardware type	Series 90-30 Two-Axis Motion Controller
System family	Series 90-30
Official source	GFK-1465C and GFK-1464A, DSM302 operation and interface sections

CONTROLLED ENGINEERING COPY

Use only the complete GE IC693DSM302 identity and the current manufacturer publication. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

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IC693DSM302

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete GE IC693DSM302 marking and installed revision.
2	Confirm the documented Series 90-30 rack position and compatible companion hardware.
3	Back up the approved controller, network or channel configuration before removal.
4	De-energize the system and follow the current manufacturer service procedure before handling hardware.
5	Label every field, communication, common, shield and protective-ground connection.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	IC693DSM302
Physical interface	Exact GE IC693DSM302 nameplate and installed revision
Companion check	Documented Series 90-30 Two-Axis Motion Controller system position and companion hardware
Configuration	Labeled field, power, communication and grounding connections
Functional proof	Saved configuration plus a controlled functional-test record

Related Products on Apter Power

MODEL	APTER POWER PAGE
Woodward 5464-335	View Woodward 5464-335
Woodward 5464-337	View Woodward 5464-337
Woodward 5464-643	View Woodward 5464-643
Woodward 5464-653	View Woodward 5464-653
Woodward 5464-654	View Woodward 5464-654

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record GE IC693DSM302 and the installed revision exactly.
Product family	Verify the documented value: Series 90-30.
Controlled axes	Verify the documented value: Two.
Connections	Label every installed interface, common, shield and protective-ground connection.
Configuration	Back up and restore the model-specific settings, mappings and approved limits.
Functional proof	Test the complete Series 90-30 Two-Axis Motion Controller function under a controlled maintenance state.

CONFIGURATION BOUNDARY

Use only the complete GE IC693DSM302 identity and the current manufacturer publication. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

Expected Technical Values

PARAMETER	VALUE
Product family	Series 90-30
Controlled axes	Two
Operating modes	Standard and Follower modes
Servo control	DSP vector control for documented GE Fanuc AC servo systems

Related Products on Apter Power

MODEL	APTER POWER PAGE
Woodward 5466-031	View Woodward 5466-031
Woodward 5466-348	View Woodward 5466-348

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	The complete IC693DSM302 marking and revision agree with the engineering record.
Compatibility	System position, companion hardware and interfaces match the manufacturer documentation.
Configuration	Saved values, channel mappings and protection limits are restored without unexplained change.
Functional proof	Diagnostics and the model-specific controlled test pass without unexplained fault.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
How many axes does GE IC693DSM302 control?	It controls two documented servo axes.
Which modes does GE IC693DSM302 provide?	It supports Standard and Follower operating modes.
What are the GE IC693DSM302 loop update times?	The documented updates are 250 microseconds for torque, 1 ms for velocity and 2 ms for position.
How many motion programs can GE IC693DSM302 store?	Its flash memory stores ten motion programs and forty subroutines.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Woodward 5466-353	View Woodward 5466-353
Woodward 5466-354	View Woodward 5466-354
Woodward 5501-467	View Woodward 5501-467
Woodward 5501-470	View Woodward 5501-470
Woodward 8200-203	View Woodward 8200-203

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
Which CPU firmware is required for GE IC693DSM302 firmware 1.30?	The data sheet requires Series 90-30 CPU firmware 6.50 or later.
What must be recorded before replacing GE IC693DSM302?	Record the complete GE IC693DSM302 marking, installed revision, system position, connections and approved configuration before removal.
What confirms successful commissioning of GE IC693DSM302?	The exact GE IC693DSM302 identity, restored configuration, normal diagnostics and a controlled model-specific functional test must all agree with the approved record.

MANUFACTURER SOURCE RECORDS

GE Fanuc DSM302 Motion Mate Module Data Sheet - GFK-1465C and GFK-1464A, DSM302 operation and interface sections

GE Fanuc DSM302 Motion Mate Module Data Sheet - GFK-1465C and GFK-1464A, DSM302 operation and interface sections

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	IC693DSM302 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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