

IC697MDL250

Series 90-70 thirty-two-point 120 VAC input module

Thirty-two grouped 120 VAC discrete input signals

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Fanuc Series 90-70 discrete I/O

PART

IC697MDL250

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Thirty-two grouped 120 VAC discrete input signals

1

Acquires thirty-two AC input points

2

Organizes inputs into four isolated groups

3

Reports every point with a front LED

4

Installs in one IC697 rack slot

SYSTEM COMPONENTS

IC697 PLC rack

120 VAC field input circuits

removable terminal board

Series 90-70 CPU configuration

TECHNICAL NOTE

Isolate all four AC input groups, label each conductor and common, and compare the installed module revision with the rack configuration.

TECHNICAL DATA

PARAMETER	VALUE
Input points	32
Input voltage	120 V AC
Frequency	50/60 Hz
Input groups	4 groups of 8

PARAMETER	VALUE
Rack occupancy	1 slot
Logic type	Discrete AC input
Status indication	One LED per input point
Isolation	Group-to-group and field-to-logic

ENGINEERING NOTE

Isolate all four AC input groups, label each conductor and common, and compare the installed module revision with the rack configuration.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens 6RY1803-0CM20	Related industrial automation product	View Siemens 6RY1803-0CM20 page
Siemens C98043-A7107-L4	Related industrial automation product	View Siemens C98043-A7107-L4 page
Siemens 6RY1803-0DB02	Related industrial automation product	View Siemens 6RY1803-0DB02 page
Siemens 6SL3200-0SP06-0AA0	Related industrial automation product	View Siemens 6SL3200-0SP06-0AA0 page
Emerson PR6426-010-140	Related industrial automation product	View Emerson PR6426-010-140 page
Emerson PR6426-000-030	Related industrial automation product	View Emerson PR6426-000-030 page
Emerson PR6424-010-140	Related industrial automation product	View Emerson PR6424-010-140 page
Emerson PR6423-10R-010	Related industrial automation product	View Emerson PR6423-10R-010 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Limit-switch monitoring

Acquires thirty-two AC input points

Contactor auxiliary feedback

Organizes inputs into four isolated groups

Machine interlock acquisition

Reports every point with a front LED

AC input-module replacement

Installs in one IC697 rack slot

PRODUCT PRECAUTIONS

- 1 Verify the complete IC697MDL250 marking and its assigned GE Fanuc Series 90-70 discrete I/O position before work.
- 2 Place the connected limit-switch monitoring process in the approved maintenance state.
- 3 Isolate applicable power and thirty-two grouped 120 vac discrete input signals field energy before disconnecting conductors.
- 4 Record connector, conductor, address, firmware and software identities before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed IC697 PLC rack and 120 VAC field input circuits against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended contactor auxiliary feedback function and retain the final test result.

ENGINEER FAQ

Q1 Does IC697MDL250 match IC697 PLC rack in a Limit-switch monitoring installation?

Verify the complete IC697MDL250 marking, the documented GE Fanuc Series 90-70 discrete I/O position and the installed IC697 PLC rack before fitting the assembly.

Q3 Which GE Fanuc Series 90-70 discrete I/O records should be captured before removing IC697MDL250?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with IC697MDL250 before disconnection.

Q5 Which 120 VAC field input circuits condition should be checked when IC697MDL250 reports an abnormal state?

Check the 120 VAC field input circuits supply, seating and connection first, then compare channel diagnostics with the recorded IC697MDL250 baseline.

Q7 What maintenance evidence is required after IC697MDL250 is used for Machine interlock acquisition?

Retain the nameplate record, corrective action, final diagnostics and a controlled machine interlock acquisition functional-test result for IC697MDL250.

Q2 How should IC697MDL250 be wired when it must acquires thirty-two ac input points?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for IC697MDL250; then continuity-test the affected path.

Q4 What controlled test confirms that IC697MDL250 can organizes inputs into four isolated groups?

Apply the approved field or simulated stimulus, observe the GE Fanuc Series 90-70 discrete I/O indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can IC697MDL250 be moved directly into Contactor auxiliary feedback without validating Series 90-70 CPU configuration?

No. Confirm the Series 90-70 CPU configuration, revision, connection scheme and GE Fanuc Series 90-70 discrete I/O configuration before transferring IC697MDL250 to that duty.

Q8 How should IC697MDL250 be returned to service in AC input-module replacement?

Restore power under control, verify reports every point with a front led, exercise the intended signal path and release IC697MDL250 only after the GE Fanuc Series 90-70 discrete I/O remains in its approved operating state.

SOURCE GE Fanuc Series 90-70 I/O module documentation | GFK-0262; GFK-0600

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com