APTER POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

IC697MDL250

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

Thirty-two grouped 120 VAC discrete input signals

IDENTITY	VERIFIED VALUE
Manufacturer	General Electric
System family	GE Fanuc Series 90-70 discrete I/O
Part number	IC697MDL250
Country	USA
HS code	8537101190

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2 Technical Specifications

Technical values below are limited to the named General Electric product record.

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

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	IC697 PLC rack
Companion hardware	120 VAC field input circuits
Field connection	removable terminal board
Primary system function	Acquires thirty-two AC input points
Controlled acceptance duty	Limit-switch monitoring

3 System Role and Architecture

Thirty-two grouped 120 VAC discrete input signals

FUNCTION 1

Acquires thirty-two AC input points

FUNCTION 2

Organizes inputs into four isolated groups

FUNCTION 3

Reports every point with a front LED

FUNCTION 4

Installs in one IC697 rack slot

Matched system components

- IC697 PLC rack
- 120 VAC field input circuits
- removable terminal board
- Series 90-70 CPU configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	IC697 PLC rack
Companion hardware	120 VAC field input circuits
Field connection	removable terminal board
Primary system function	Acquires thirty-two AC input points
Controlled acceptance duty	Limit-switch monitoring

4 Applications and Engineering Context

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

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC697MDL250 / IC697MDL250 recorded
Physical interface	IC697 PLC rack
Companion check	120 VAC field input circuits
Functional proof	Acquires thirty-two AC input points
Application test	Limit-switch monitoring

5 Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330102-00-20-10-02-00	Related industrial automation product	**View Bently Nevada 330102-00-20-10-02-00 page**
Bently Nevada 330101-00-60-10-02-05	Related industrial automation product	**View Bently Nevada 330101-00-60-10-02-05 page**
Bently Nevada 330101-00-40-10-02-05	Related industrial automation product	**View Bently Nevada 330101-00-40-10-02-05 page**
Bently Nevada 330101-00-40-10-02-00	Related industrial automation product	**View Bently Nevada 330101-00-40-10-02-00 page**
Bently Nevada 330101-00-40-05-02-00	Related industrial automation product	**View Bently Nevada 330101-00-40-05-02-00 page**
Bently Nevada 330101-00-30-10-02-05	Related industrial automation product	**View Bently Nevada 330101-00-30-10-02-05 page**
Bently Nevada 330101-00-30-10-02-00	Related industrial automation product	**View Bently Nevada 330101-00-30-10-02-00 page**
Bently Nevada 330101-00-20-05-02-00	Related industrial automation product	**View Bently Nevada 330101-00-20-05-02-00 page**

MANUFACTURER SOURCE RECORD

GE Fanuc Series 90-70 I/O module documentation

GFK-0262; GFK-0600

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