APTER■POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

IC670MDL330

GE Fanuc sixteen-point 12-120 VAC one-amp discrete output module

Sixteen commanded 12-120 VAC output circuits

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Fanuc Field Control distributed I/O
Part number	IC670MDL330
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

2 Technical Specifications

Technical values below are limited to the named GE product record.

PARAMETER	TECHNICAL VALUE
Catalog number	IC670MDL330
Output points	16; one group
Rated voltage	12 to 120 V AC
Output-voltage range	10 to 132 V AC; 47 to 63 Hz
Maximum point current	1 A
Maximum module current	4 A with derating
Minimum load current	10 mA per point
Inrush current	10 A maximum for one 20 ms cycle
Output-voltage drop	2.0 V maximum
Leakage current	Less than 2 mA at 120 V AC
On/off response	Less than one-half cycle
BIU current	275 mA with all points on
Isolation	250 V AC continuous; 1500 V AC for 1 minute

3 System Role and Architecture

Sixteen commanded 12-120 VAC output circuits

FUNCTION 1

Provides sixteen 12-120 VAC outputs

FUNCTION 2

Switches up to 1 A per point

FUNCTION 3

Limits total module load to 4 A with derating

FUNCTION 4

Reports group fuse status to the BIU

Matched system components

- 10 to 132 V AC field supply
- Sixteen AC loads
- Field Control terminal block
- Compatible BIU or MFP

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	10 to 132 V AC field supply
Companion hardware	Sixteen AC loads
Field connection	Field Control terminal block
Primary system function	Provides sixteen 12-120 VAC outputs
Controlled acceptance duty	grouped AC actuator and pilot-load switching field station

4 Applications and Engineering Context

grouped AC actuator and pilot-load switching field station

Provides sixteen 12-120 VAC outputs

Remote I/O cabinet integration

Switches up to 1 A per point

Installed-base module renewal

Limits total module load to 4 A with derating

Controlled commissioning and diagnostics

Reports group fuse status to the BIU

TECHNICAL NOTE

Confirm load current, 4 A module derating, leakage compatibility and snubber behavior; test fuse diagnostics before enabling automatic commands.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC670MDL330 / IC670MDL330 recorded
Physical interface	10 to 132 V AC field supply
Companion check	Sixteen AC loads
Functional proof	Provides sixteen 12-120 VAC outputs
Application test	grouped AC actuator and pilot-load switching field station

5 Engineering Precautions

1. Verify the complete IC670MDL330 catalog marking and assigned Field Control position before work.
2. Place the connected grouped AC actuator and pilot-load switching process in its approved maintenance state before disturbing the station.
3. Isolate BIU and field power, then confirm a safe condition at the IC670MDL330 terminal block.
4. Label and record individual point conductors, group commons and field-power feeds before disconnecting any conductor from IC670MDL330.
5. Use ESD controls and protect the module connector, terminal block keying and exposed electronics.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS215WETAH1A	Related GE product	View IS215WETAH1A page
MIVII1000E00HI00	Related GE product	View MIVII1000E00HI00 page
ICRXIBN7M000A-BA	Related GE product	View ICRXIBN7M000A-BA page
IS200TBAIH1CCC	Related GE product	View IS200TBAIH1CCC page
IS200EMIOH1AFB	Related GE product	View IS200EMIOH1AFB page
IS400JPDHG1A	Related GE product	View IS400JPDHG1A page
DS200SDCIG1AFB	Related GE product	View DS200SDCIG1AFB page
UR9VM	Related GE product	View UR9VM page

MANUFACTURER SOURCE RECORD

GE Fanuc Field Control Distributed I/O and Control System I/O Modules User's Manual

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