

IC670MDL330

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

Sixteen commanded 12-120 VAC output circuits

PRODUCT SNAPSHOT

BRAND

GE

FAMILY

GE Fanuc Field Control distributed I/O

PART

IC670MDL330

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PRODUCT OVERVIEW

Sixteen commanded 12-120 VAC output circuits

1

Provides sixteen 12-120 VAC outputs

2

Switches up to 1 A per point

3

Limits total module load to 4 A with derating

4

Reports group fuse status to the BIU

SYSTEM COMPONENTS

10 to 132 V AC field supply

Sixteen AC loads

Field Control terminal block

Compatible BIU or MFP

TECHNICAL NOTE

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

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
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

ENGINEERING NOTE

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

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
DS200TBQCG1AAA	Related GE product	View DS200TBQCG1AAA page
IC200ALG266	Related GE product	View IC200ALG266 page
DS200ADMAH1AAC	Related GE product	View DS200ADMAH1AAC page
IC694MDL930	Related GE product	View IC694MDL930 page
8021-CE-LH	Related GE product	View 8021-CE-LH page
HE693PBS106	Related GE product	View HE693PBS106 page
IC200UEO116	Related GE product	View IC200UEO116 page
IC200UDD104	Related GE product	View IC200UDD104 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.
- 6 Restore only the documented input/output defaults, data reference and fault reporting; do not copy settings from an adjacent module.
- 7 Energize in a controlled sequence and review PWR, channel, module and network diagnostics.
- 8 Complete point-by-point state, response-time and diagnostic checks and retain the final result before returning the process to service.

ENGINEER FAQ

Q1 Does IC670MDL330 match 10 to 132 V AC field supply in a grouped AC actuator and pilot-load switching field station installation?

Verify the complete IC670MDL330 marking, the documented GE Fanuc Field Control distributed I/O position and the installed 10 to 132 V AC field supply before fitting the assembly.

Q2 How should IC670MDL330 be wired when it must provides sixteen 12-120 vac outputs?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for IC670MDL330; then continuity-test the affected path.

Q3 Which GE Fanuc Field Control distributed I/O records should be captured before removing IC670MDL330?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with IC670MDL330 before disconnection.

Q4 What controlled test confirms that IC670MDL330 can switches up to 1 a per point?

Apply the approved field or simulated stimulus, observe the GE Fanuc Field Control distributed I/O indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which Sixteen AC loads condition should be checked when IC670MDL330 reports an abnormal state?

Check the Sixteen AC loads supply, seating and connection first, then compare channel diagnostics with the recorded IC670MDL330 baseline.

Q6 Can IC670MDL330 be moved directly into Remote I/O cabinet integration without validating Compatible BIU or MFP?

No. Confirm the Compatible BIU or MFP, revision, connection scheme and GE Fanuc Field Control distributed I/O configuration before transferring IC670MDL330 to that duty.

Q7 What maintenance evidence is required after IC670MDL330 is used for Installed-base module renewal?

Retain the nameplate record, corrective action, final diagnostics and a controlled installed-base module renewal functional-test result for IC670MDL330.

Q8 How should IC670MDL330 be returned to service in Controlled commissioning and diagnostics?

Restore power under control, verify limits total module load to 4 a with derating, exercise the intended signal path and release IC670MDL330 only after the GE Fanuc Field Control distributed I/O remains in its approved operating state.

SOURCE GE Fanuc Field Control Distributed I/O and Control System I/O Modules User's Manual | GFK-0826J, June 2002

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