

IC670MDL331

GE Fanuc eight-point 120 VAC isolated two-amp discrete output module

CONTROLLED ENGINEERING COPY

Keep each two-point group supply isolated, respect the 2 A group limit and verify all four fuse-status circuits before enabling outputs.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC670MDL331
Manufacturer part	IC670MDL331
Hardware type	IC670MDL331
System family	GE Fanuc Field Control distributed I/O



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete IC670MDL331 catalog marking and assigned Field Control position before work.
- 2

Place the connected isolated AC 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 IC670MDL331 terminal block.
- 4

Label and record individual point conductors, group commons and field-power feeds before disconnecting any conductor from IC670MDL331.
- 5

Use ESD controls and protect the module connector, terminal block keying and exposed electronics.

MATCHED HARDWARE

- Four isolated 120 VAC group supplies
- Eight pilot-duty AC loads
- Field Control terminal block
- Compatible BIU or MFP

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC670MDL331 / IC670MDL331 recorded
Physical interface	Four isolated 120 VAC group supplies
Companion check	Eight pilot-duty AC loads
Functional proof	Provides eight 120 VAC outputs
Application test	isolated AC pilot-load switching field station

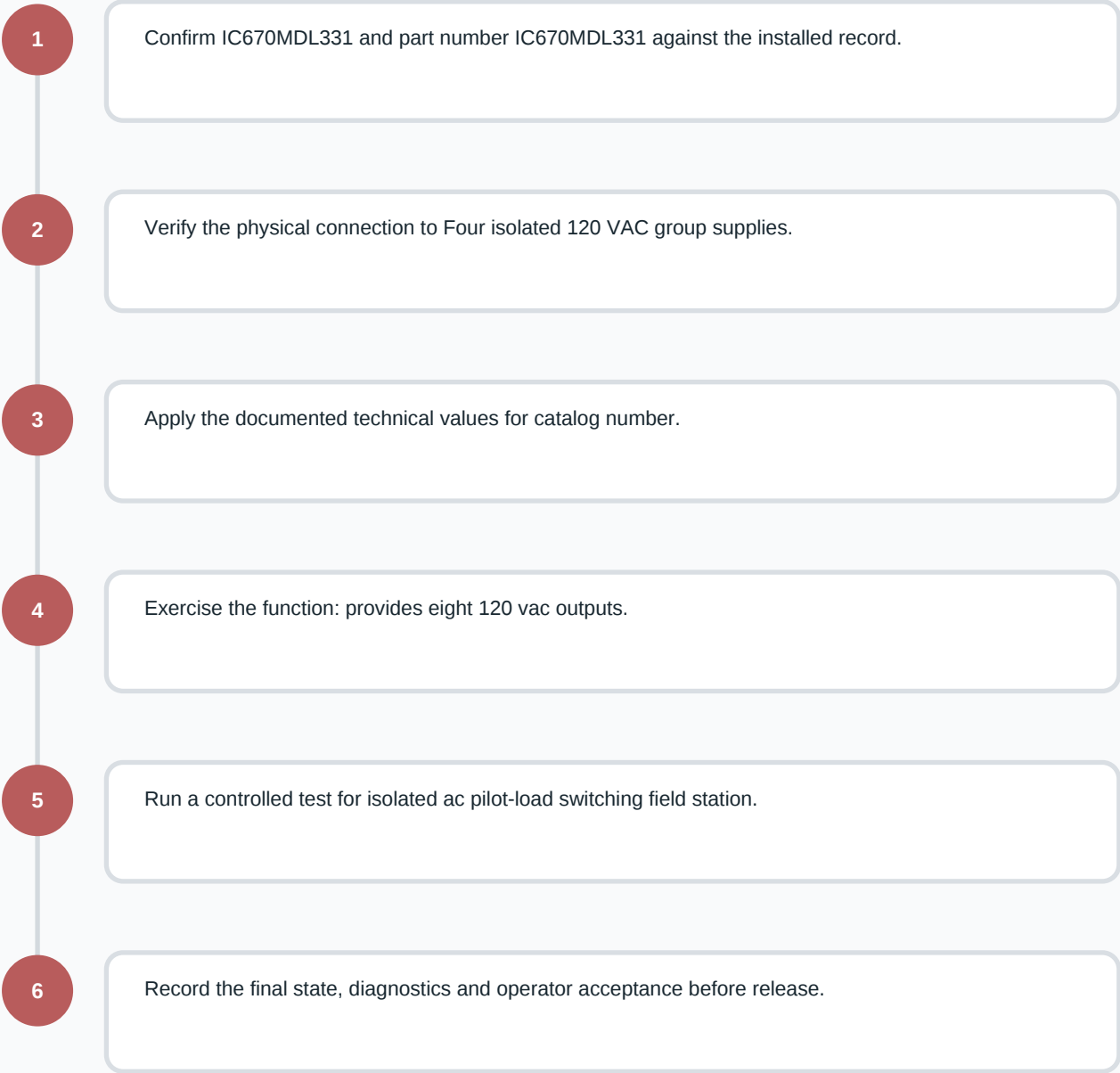
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	IC670MDL331
Output points	8
Output grouping	Four isolated groups of two
Rated voltage	120 V AC
Output-voltage range	85 to 132 V AC; 47 to 63 Hz
Maximum point current	2 A
Maximum group current	2 A
Maximum module current	6 to 8 A with derating
Minimum load current	10 mA per point
Inrush current	20 A maximum for one 20 ms cycle
Output-voltage drop	3.0 V maximum
Leakage current	2 mA at 120 V AC
On response	1 ms maximum
Off response	One-half cycle maximum

FIELD NOTE

Keep each two-point group supply isolated, respect the 2 A group limit and verify all four fuse-status circuits before enabling outputs.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC670MDL331 / IC670MDL331 recorded
Physical interface	Four isolated 120 VAC group supplies
Companion check	Eight pilot-duty AC loads
Functional proof	Provides eight 120 VAC outputs
Application test	isolated AC pilot-load switching field station

04 RETURN-TO-SERVICE RECORD

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

VERIFICATION RECORD

PRODUCT IDENTITY	IC670MDL331
INSTALLED POSITION	Documented GE Fanuc Field Control distributed I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC694MDL240	Related GE product	View IC694MDL240 page
IC693PTM101	Related GE product	View IC693PTM101 page
IC694MDL940	Related GE product	View IC694MDL940 page
IS420UCSBH3A	Related GE product	View IS420UCSBH3A page
IC200UEX211	Related GE product	View IC200UEX211 page
IC755CSW07CDA	Related GE product	View IC755CSW07CDA page
IS215VPROH2BC	Related GE product	View IS215VPROH2BC page
IC695ALG616	Related GE product	View IC695ALG616 page

SOURCE IDENTIFIERS

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

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