

IC670MDL241

GE Fanuc sixteen-point 240 VAC grouped discrete input module

CONTROLLED ENGINEERING COPY

Isolate the 240 VAC source, verify the single group common and maintain required creepage and wiring practices before point-by-point testing.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC670MDL241
Manufacturer part	IC670MDL241
Hardware type	IC670MDL241
System family	GE Fanuc Field Control distributed I/O



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete IC670MDL241 catalog marking and assigned Field Control position before work.
- 2

Place the connected grouped 240 VAC discrete-state acquisition process in its approved maintenance state before disturbing the station.
- 3

Isolate BIU and field power, then confirm a safe condition at the IC670MDL241 terminal block.
- 4

Label and record individual point conductors, group commons and field-power feeds before disconnecting any conductor from IC670MDL241.
- 5

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

MATCHED HARDWARE

- Sixteen 240 VAC field contacts
- Single group common
- Field Control terminal block
- Compatible BIU or MFP

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC670MDL241 / IC670MDL241 recorded
Physical interface	Sixteen 240 VAC field contacts
Companion check	Single group common
Functional proof	Provides sixteen 240 VAC inputs
Application test	grouped 240 VAC discrete-state acquisition field station

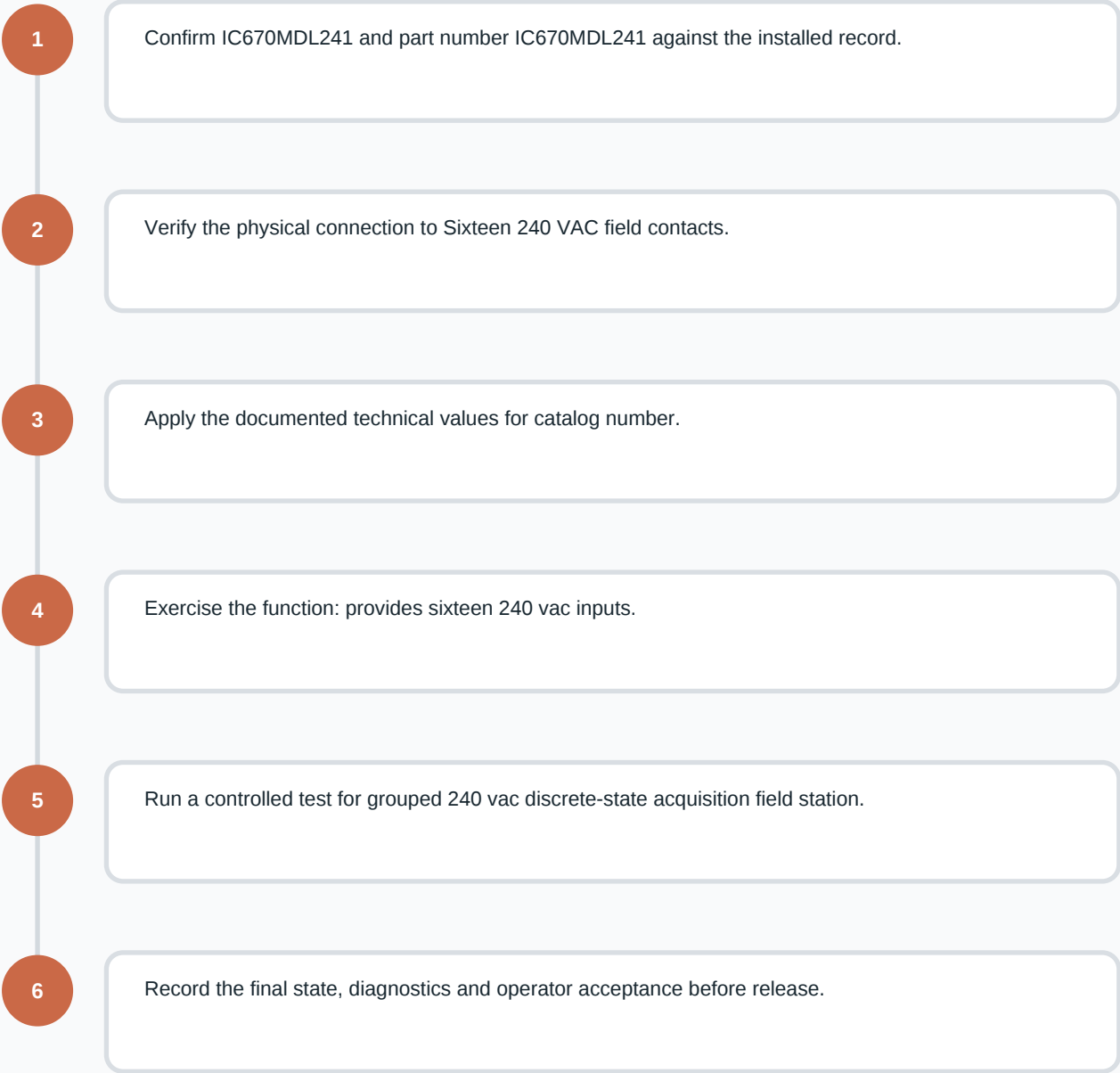
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	IC670MDL241
Input points	16
Input grouping	Single group
Rated voltage	240 V AC
Input-voltage range	0 to 265 V AC; 47 to 63 Hz
Typical input current	8.2 mA per point at 240 V AC
Input impedance at 60 Hz	38.5 kohm
Input impedance at 50 Hz	46.3 kohm
On-state voltage	155 to 265 V AC
Off-state voltage	0 to 40 V AC
On-state current	4 to 10 mA
Off-state current	0 to 1.5 mA
On/off response	20 ms maximum

FIELD NOTE

Isolate the 240 VAC source, verify the single group common and maintain required creepage and wiring practices before point-by-point testing.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC670MDL241 / IC670MDL241 recorded
Physical interface	Sixteen 240 VAC field contacts
Companion check	Single group common
Functional proof	Provides sixteen 240 VAC inputs
Application test	grouped 240 VAC discrete-state acquisition 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	IC670MDL241
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
151X1225DF01PC03RA	Related GE product	View 151X1225DF01PC03RA page
DS200DCFBG1BNC	Related GE product	View DS200DCFBG1BNC page
8811-IO-DC	Related GE product	View 8811-IO-DC page
DS200TCEAG1BSF	Related GE product	View DS200TCEAG1BSF page
IC693MDL741C	Related GE product	View IC693MDL741C page
IS215WEPAH2B	Related GE product	View IS215WEPAH2B page
IS215AEPCH2F	Related GE product	View IS215AEPCH2F page
IS210AEBIH3B	Related GE product	View IS210AEBIH3B 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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