

IC670MDL240

GE Fanuc sixteen-point 120 VAC grouped discrete input module

CONTROLLED ENGINEERING COPY

Confirm both group commons, 47-63 Hz field supply and each point identity; never infer point-to-point isolation within a group.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC670MDL240
Manufacturer part	IC670MDL240
Hardware type	IC670MDL240
System family	GE Fanuc Field Control distributed I/O



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete IC670MDL240 catalog marking and assigned Field Control position before work.
- 2

Place the connected grouped 120 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 IC670MDL240 terminal block.
- 4

Label and record individual point conductors, group commons and field-power feeds before disconnecting any conductor from IC670MDL240.
- 5

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

MATCHED HARDWARE

- Two 120 VAC input groups
- Group common conductors
- Field Control terminal block
- Compatible BIU or MFP

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC670MDL240 / IC670MDL240 recorded
Physical interface	Two 120 VAC input groups
Companion check	Group common conductors
Functional proof	Provides sixteen 120 VAC inputs
Application test	grouped 120 VAC discrete-state acquisition field station

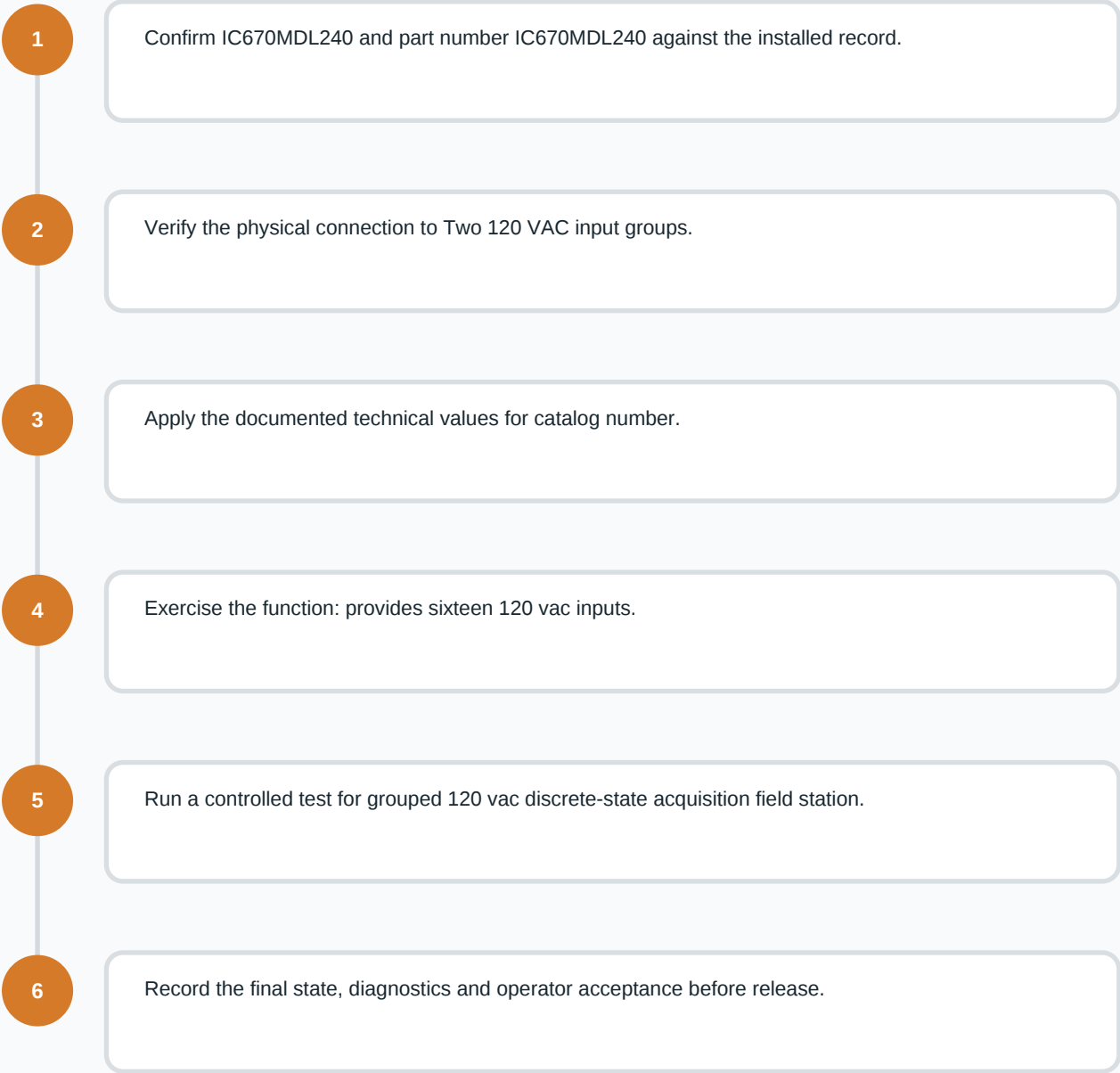
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	IC670MDL240
Input points	16
Input grouping	Two groups of eight
Rated voltage	120 V AC
Input-voltage range	0 to 132 V AC; 47 to 63 Hz
Typical input current	15 mA per point at 120 V AC
Input data	16 bits; 2 bytes
Input impedance	8.6 kohm typical; reactive
On-state voltage	70 to 120 V AC
Off-state voltage	0 to 20 V AC
On response	12 ms typical; 20 ms maximum
Off response	25 ms typical; 40 ms maximum
BIU current	77 mA maximum

FIELD NOTE

Confirm both group commons, 47-63 Hz field supply and each point identity; never infer point-to-point isolation within a group.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC670MDL240 / IC670MDL240 recorded
Physical interface	Two 120 VAC input groups
Companion check	Group common conductors
Functional proof	Provides sixteen 120 VAC inputs
Application test	grouped 120 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	IC670MDL240
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
IC200CBL230B	Related GE product	View IC200CBL230B page
IC200MDD845	Related GE product	View IC200MDD845 page
IS2100WETBH1B	Related GE product	View IS2100WETBH1B page
IS215WEMAH1B	Related GE product	View IS215WEMAH1B page
IS210MACCH1A	Related GE product	View IS210MACCH1A page
IS200AEADH4A	Related GE product	View IS200AEADH4A page
151X1233DB02SA02	Related GE product	View 151X1233DB02SA02 page
IS215REBFH1B	Related GE product	View IS215REBFH1B 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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