

IC670MDL233

GE Fanuc eight-point 120 VAC isolated discrete input module

CONTROLLED ENGINEERING COPY

Preserve the isolation boundary and individual return for every point; verify de-energized voltage, response time and logic status before restoring the process.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC670MDL233
Manufacturer part	IC670MDL233
Hardware type	IC670MDL233
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 IC670MDL233 catalog marking and assigned Field Control position before work.
- 2

Place the connected isolated 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 IC670MDL233 terminal block.
- 4

Label and record individual point conductors, group commons and field-power feeds before disconnecting any conductor from IC670MDL233.
- 5

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

MATCHED HARDWARE

- Eight 120 VAC field contacts
- Separate point returns
- Field Control terminal block
- Compatible BIU or MFP

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC670MDL233 / IC670MDL233 recorded
Physical interface	Eight 120 VAC field contacts
Companion check	Separate point returns
Functional proof	Provides eight individually isolated AC inputs
Application test	isolated 120 VAC discrete-state acquisition field station

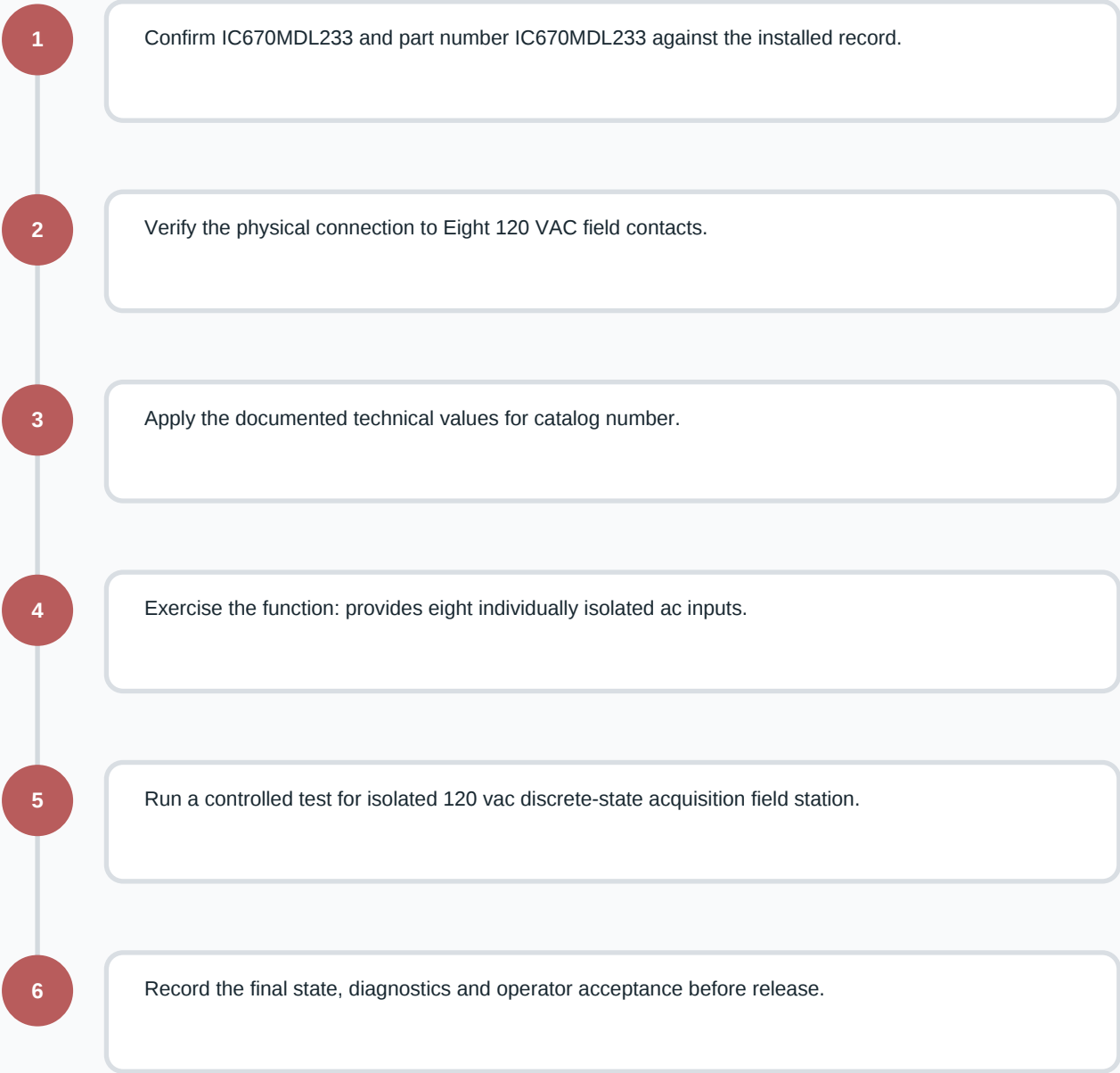
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	IC670MDL233
Input points	8 isolated
Rated voltage	120 V AC
Input-voltage range	0 to 132 V AC; 47 to 63 Hz
Typical input current	13 mA per point at rated voltage
Input data	8 bits; 1 byte
Input impedance	10 kohm typical; reactive
On-state voltage	70 to 120 V AC
Off-state voltage	0 to 20 V AC
On response	10 ms typical; 20 ms maximum
Off response	20 ms typical; 40 ms maximum
BIU current	40 mA maximum
Isolation	250 V AC continuous; 1500 V AC for 1 minute

FIELD NOTE

Preserve the isolation boundary and individual return for every point; verify de-energized voltage, response time and logic status before restoring the process.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC670MDL233 / IC670MDL233 recorded
Physical interface	Eight 120 VAC field contacts
Companion check	Separate point returns
Functional proof	Provides eight individually isolated AC inputs
Application test	isolated 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	IC670MDL233
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
IS200STAIH2ACB-IS200STAI...	Related GE product	View IS200STAIH2ACB-IS200STAI... page
DS200CTBAG1ACC	Related GE product	View DS200CTBAG1ACC page
DS200TBQGG1ABB	Related GE product	View DS200TBQGG1ABB page
DS200SLCCG3AGH	Related GE product	View DS200SLCCG3AGH page
DS200TCDAH1BHE	Related GE product	View DS200TCDAH1BHE page
DS200TBCBG1AAA	Related GE product	View DS200TBCBG1AAA page
DS200RTBAG2AGL	Related GE product	View DS200RTBAG2AGL page
DS200RTBAG1AHC	Related GE product	View DS200RTBAG1AHC page

SOURCE IDENTIFIERS

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

APTER POWER SALES TEAM

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

