

INDUSTRIAL AUTOMATION PRODUCT

IC670MDL233

GE Fanuc eight-point 120 VAC isolated discrete input module

Eight isolated 120 VAC on/off input states

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Fanuc Field Control distributed I/O
Part number	IC670MDL233
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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



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Technical Specifications

Technical values below are limited to the named GE product record.

PARAMETER	TECHNICAL 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

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System Role and Architecture

Eight isolated 120 VAC on/off input states

FUNCTION 1

Provides eight individually isolated AC inputs

FUNCTION 2

Accepts 0 to 132 V AC at 47-63 Hz

FUNCTION 3

Uses one byte of discrete input data

FUNCTION 4

Displays one logic-side status LED per point

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Eight 120 VAC field contacts
Companion hardware	Separate point returns
Field connection	Field Control terminal block
Primary system function	Provides eight individually isolated AC inputs
Controlled acceptance duty	isolated 120 VAC discrete-state acquisition field station

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Applications and Engineering Context

isolated 120 VAC discrete-state acquisition field station

Provides eight individually isolated AC inputs

Remote I/O cabinet integration

Accepts 0 to 132 V AC at 47-63 Hz

Installed-base module renewal

Uses one byte of discrete input data

Controlled commissioning and diagnostics

Displays one logic-side status LED per point

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering Precautions

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.

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

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC670GBI102D	Related GE product	View IC670GBI102D page
IC693DNM200-BC	Related GE product	View IC693DNM200-BC page
DS3800NERA1P1D	Related GE product	View DS3800NERA1P1D page
IS200SRTDH2ACB	Related GE product	View IS200SRTDH2ACB page
IS210AEDBH4A	Related GE product	View IS210AEDBH4A page
IS200TDBSH2A	Related GE product	View IS200TDBSH2A page
IS210AEPG2BCB	Related GE product	View IS210AEPG2BCB page
IS215UCVEM01A	Related GE product	View IS215UCVEM01A page

MANUFACTURER SOURCE RECORD

GE Fanuc Field Control Distributed I/O and Control System I/O Modules User's Manual

GFK-0826J, June 2002

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