

INDUSTRIAL AUTOMATION PRODUCT

IC670MDL241

GE Fanuc sixteen-point 240 VAC grouped discrete input module

Sixteen grouped 240 VAC on/off input states

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Fanuc Field Control distributed I/O
Part number	IC670MDL241
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	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

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System Role and Architecture

Sixteen grouped 240 VAC on/off input states

FUNCTION 1

Provides sixteen 240 VAC inputs

FUNCTION 2

Accepts 47-63 Hz field signals

FUNCTION 3

Uses a single common input group

FUNCTION 4

Limits on/off response to 20 ms maximum

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Sixteen 240 VAC field contacts
Companion hardware	Single group common
Field connection	Field Control terminal block
Primary system function	Provides sixteen 240 VAC inputs
Controlled acceptance duty	grouped 240 VAC discrete-state acquisition field station

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Applications and Engineering Context

grouped 240 VAC discrete-state acquisition field station

Provides sixteen 240 VAC inputs

Remote I/O cabinet integration

Accepts 47-63 Hz field signals

Installed-base module renewal

Uses a single common input group

Controlled commissioning and diagnostics

Limits on/off response to 20 ms maximum

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering Precautions

- 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS410JPDHG1A-IS400JPDHG1ABB	Related GE product	View IS410JPDHG1A-IS400JPDHG1ABB page
IC694ALG221A	Related GE product	View IC694ALG221A page
IC694MDL645D	Related GE product	View IC694MDL645D page
IC694MDL645A	Related GE product	View IC694MDL645A page
IC693CMM321-KM	Related GE product	View IC693CMM321-KM page
IC693ALG391G	Related GE product	View IC693ALG391G page
MMLG02R1AA0001E	Related GE product	View MMLG02R1AA0001E page
IC695PSD040F	Related GE product	View IC695PSD040F 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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