

INDUSTRIAL AUTOMATION PRODUCT

IC670MDL240

GE Fanuc sixteen-point 120 VAC grouped discrete input module

Sixteen grouped 120 VAC on/off input states

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Fanuc Field Control distributed I/O
Part number	IC670MDL240
Country	USA
HS code	8537101190

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Technical Specifications

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

PARAMETER	TECHNICAL 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

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System Role and Architecture

Sixteen grouped 120 VAC on/off input states

FUNCTION 1

Provides sixteen 120 VAC inputs

FUNCTION 2

Arranges points in two common groups

FUNCTION 3

Transfers two bytes of discrete input data

FUNCTION 4

Displays point status through logic-side LEDs

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Two 120 VAC input groups
Companion hardware	Group common conductors
Field connection	Field Control terminal block
Primary system function	Provides sixteen 120 VAC inputs
Controlled acceptance duty	grouped 120 VAC discrete-state acquisition field station

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Applications and Engineering Context

grouped 120 VAC discrete-state acquisition field station

Provides sixteen 120 VAC inputs

Remote I/O cabinet integration

Arranges points in two common groups

Installed-base module renewal

Transfers two bytes of discrete input data

Controlled commissioning and diagnostics

Displays point status through logic-side LEDs

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering Precautions

- 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC200CPUE05-JP	Related GE product	View IC200CPUE05-JP page
IC200UDR005-CH	Related GE product	View IC200UDR005-CH page
IS200WREAH1ABB	Related GE product	View IS200WREAH1ABB page
IS200EHPAG1DAB	Related GE product	View IS200EHPAG1DAB page
IS200EGDMH1AFG	Related GE product	View IS200EGDMH1AFG page
IS210TREA1A	Related GE product	View IS210TREA1A page
0552N1QLG132A-06-V1-1	Related GE product	View 0552N1QLG132A-06-V1-1 page
IC600BF831K	Related GE product	View IC600BF831K 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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