

INDUSTRIAL AUTOMATION PRODUCT

IC670GBI102

GE Fanuc Field Control Genius Bus Interface Unit, 115 VAC/125 VDC

Bidirectional Genius network data, configuration and diagnostic traffic

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Fanuc Field Control distributed I/O
Part number	IC670GBI102
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	IC670GBI102
Network	Genius bus
Input power	115 V AC or 125 V DC
Station capacity	Up to 8 Field Control I/O modules
Input data capacity	Up to 128 bytes
Output data capacity	Up to 128 bytes
Bus devices per network	Up to 32
Supported station device numbers	0 to 31
Terminal screw torque	9 in-lb
Internal overvoltage protection	Terminal 4 jumper to frame ground terminal 3
Terminal conductors	One No. 14 AWG or two No. 16 AWG copper; 75 degC

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Genius network
Companion hardware	Field Control terminal block
Field connection	Up to eight compatible I/O modules
Primary system function	Connects the station to Genius
Controlled acceptance duty	Genius bus interface field station

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System Role and Architecture

Bidirectional Genius network data, configuration and diagnostic traffic

FUNCTION 1

Connects the station to Genius

FUNCTION 2

Supports up to eight Field Control I/O modules

FUNCTION 3

Exchanges configured input and output data with the host

FUNCTION 4

Provides station and module diagnostic access

Matched system components

- Genius network
- Field Control terminal block
- Up to eight compatible I/O modules
- 115 V AC or 125 V DC station power

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Genius network
Companion hardware	Field Control terminal block
Field connection	Up to eight compatible I/O modules
Primary system function	Connects the station to Genius
Controlled acceptance duty	Genius bus interface field station

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Applications and Engineering Context

Genius bus interface field station

Connects the station to Genius

Remote I/O cabinet integration

Supports up to eight Field Control I/O modules

Installed-base module renewal

Exchanges configured input and output data with the host

Controlled commissioning and diagnostics

Provides station and module diagnostic access

TECHNICAL NOTE

Confirm IC670GBI102, 115 V AC or 125 V DC station power, network address, bus termination and the configured I/O map before connecting the station to the host.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC670GBI102 / IC670GBI102 recorded
Physical interface	Genius network
Companion check	Field Control terminal block
Functional proof	Connects the station to Genius
Application test	Genius bus interface field station

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Engineering Precautions

1

Verify the complete IC670GBI102 catalog marking and assigned Field Control position before work.

2

Place the connected Genius process in its approved maintenance state before disturbing the station.

3

Isolate BIU and field power, then confirm a safe condition at the IC670GBI102 terminal block.

4

Label and record network conductors, shield, termination and field-power wiring before disconnecting any conductor from IC670GBI102.

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
IC694MDL940	Related GE product	View IC694MDL940 page
IS420UCSBH3A	Related GE product	View IS420UCSBH3A page
IC200UEX211	Related GE product	View IC200UEX211 page
IC755CSW07CDA	Related GE product	View IC755CSW07CDA page
IS215VPROH2BC	Related GE product	View IS215VPROH2BC page
IC695ALG616	Related GE product	View IC695ALG616 page
IC695ACC412	Related GE product	View IC695ACC412 page
IC695ALG600	Related GE product	View IC695ALG600 page

MANUFACTURER SOURCE RECORD

GE Fanuc Field Control Genius Bus Interface Unit User's Manual

GFK-0825F

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