

IC670GBI102

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

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC670GBI102
Manufacturer part	IC670GBI102
Hardware type	IC670GBI102
System family	GE Fanuc Field Control distributed I/O



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01 PRE-INSTALLATION PLAN

- 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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
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

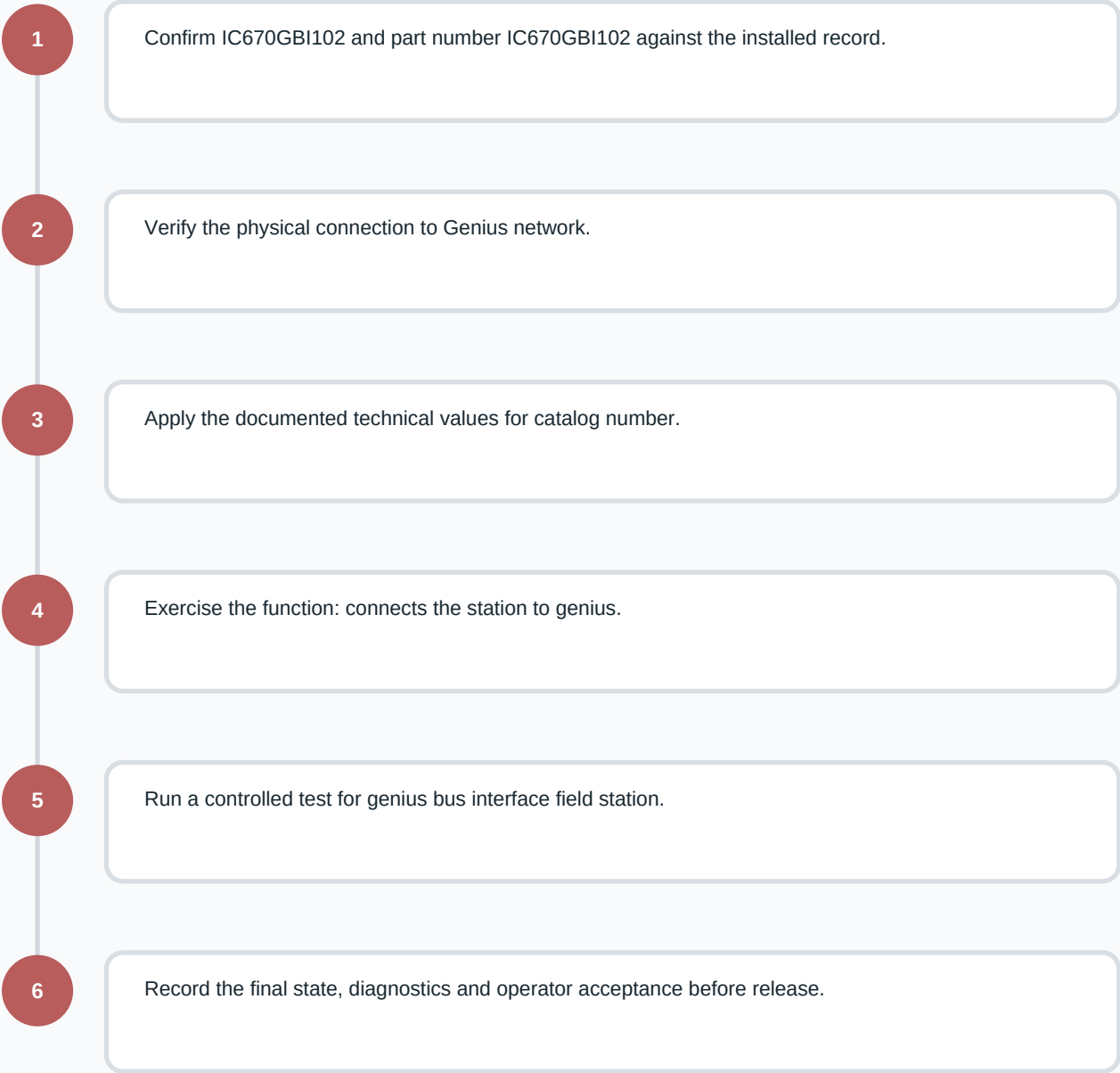
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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

FIELD 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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

- ☐ Restore only the documented station address, data map and module configuration; do not copy settings from an adjacent module.
- ☐ Energize in a controlled sequence and review PWR, channel, module and network diagnostics.
- ☐ Complete network communication, module recognition and I/O response tests and retain the final result before returning the process to service.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	IC670GBI102
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
IS210AEBIH3BEC	Related GE product	View IS210AEBIH3BEC page
IC695PSD040	Related GE product	View IC695PSD040 page
IC660BRD020	Related GE product	View IC660BRD020 page
IC693CBL316	Related GE product	View IC693CBL316 page
URRHH	Related GE product	View URRHH page
IC694MDL742	Related GE product	View IC694MDL742 page
IC200ALG230	Related GE product	View IC200ALG230 page
IC695CHS016	Related GE product	View IC695CHS016 page

SOURCE IDENTIFIERS

GE Fanuc Field Control Genius Bus Interface Unit User's Manual
GFK-0825F

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