

IC670PBI001

GE Fanuc Field Control PROFIBUS-DP Bus Interface Unit

CONTROLLED ENGINEERING COPY

Confirm IC670PBI001, 24 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	IC670PBI001
Manufacturer part	IC670PBI001
Hardware type	IC670PBI001
System family	GE Fanuc Field Control distributed I/O



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete IC670PBI001 catalog marking and assigned Field Control position before work.
- 2

Place the connected PROFIBUS-DP process in its approved maintenance state before disturbing the station.
- 3

Isolate BIU and field power, then confirm a safe condition at the IC670PBI001 terminal block.
- 4

Label and record network conductors, shield, termination and field-power wiring before disconnecting any conductor from IC670PBI001.
- 5

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

MATCHED HARDWARE

- PROFIBUS-DP network
- Field Control terminal block
- Up to eight compatible I/O modules
- 24 V DC station power

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC670PBI001 / IC670PBI001 recorded
Physical interface	PROFIBUS-DP network
Companion check	Field Control terminal block
Functional proof	Connects the station to PROFIBUS-DP
Application test	PROFIBUS-DP bus interface field station

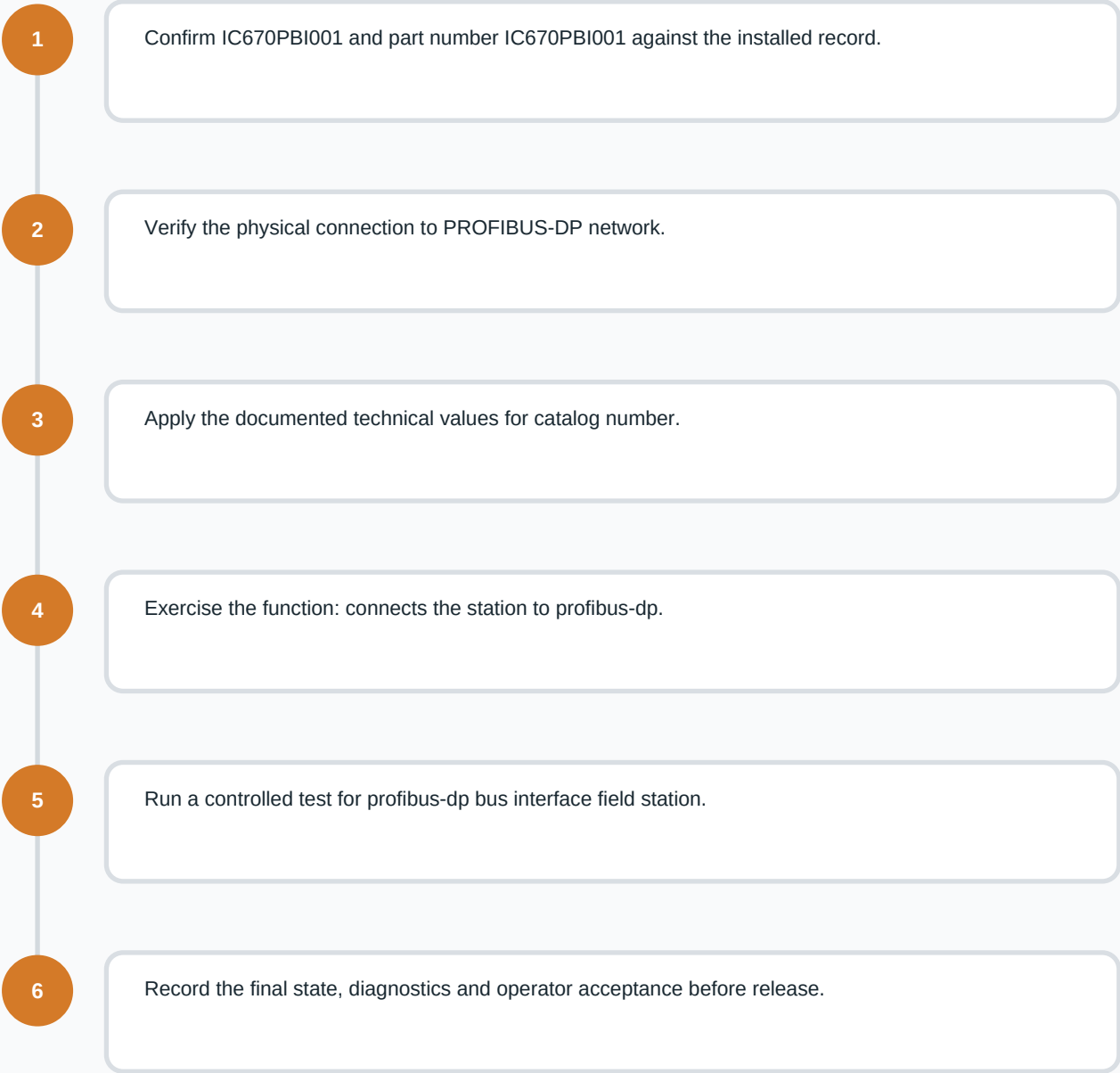
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	IC670PBI001
Network	PROFIBUS-DP
Station capacity	Up to 8 Field Control I/O modules
Nominal input voltage	24 V DC
Input-voltage range	18 to 30 V DC
Maximum input power	16.8 W at full load
Inrush current	15 to 50 A peak; 3 ms maximum
I/O supply output	6.5 V DC +/-5%; 1.4 A maximum
Hold-up time	10 ms from nominal input
PROFIBUS address range	1 to 126
Operating temperature	0 to 55 degC
Storage temperature	-40 to 85 degC
Relative humidity	5 to 95%; noncondensing
BIU MTBF	>183,000 h

FIELD NOTE

Confirm IC670PBI001, 24 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	IC670PBI001 / IC670PBI001 recorded
Physical interface	PROFIBUS-DP network
Companion check	Field Control terminal block
Functional proof	Connects the station to PROFIBUS-DP
Application test	PROFIBUS-DP 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	IC670PBI001
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
IC200PBI001	Related GE product	View IC200PBI001 page
IC200ETM001	Related GE product	View IC200ETM001 page
IC200ALG320	Related GE product	View IC200ALG320 page
IC695ALG600-DD	Related GE product	View IC695ALG600-DD page
IC694PWR321	Related GE product	View IC694PWR321 page
IC693MDL940H	Related GE product	View IC693MDL940H page
IC693MDL930C	Related GE product	View IC693MDL930C page
IC693CHS391N	Related GE product	View IC693CHS391N page

SOURCE IDENTIFIERS

GE Fanuc Field Control Profibus Bus Interface Unit User's Manual
GFK-1291A

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