

IC670FBI001

GE Fanuc Field Control FIP Bus Interface Unit, 24 VDC

Bidirectional WorldFIP network data, configuration and diagnostic traffic

PRODUCT SNAPSHOT

BRAND

GE

FAMILY

GE Fanuc Field Control distributed I/O

PART

IC670FBI001

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PRODUCT OVERVIEW

Bidirectional WorldFIP network data, configuration and diagnostic traffic

1

Connects the station to WorldFIP

2

Supports up to eight Field Control I/O modules

3

Exchanges configured input and output data with the host

4

Provides station and module diagnostic access

SYSTEM COMPONENTS

WorldFIP network

Field Control terminal block

Up to eight compatible I/O modules

24 V DC station power

TECHNICAL NOTE

Confirm IC670FBI001, 24 V DC station power, network address, bus termination and the configured I/O map before connecting the station to the host.

TECHNICAL DATA

PARAMETER	VALUE
Catalog number	IC670FBI001
Network	WorldFIP
Input power	24 V DC
Station capacity	Up to 8 Field Control I/O modules
Documented hardware revision	CC

PARAMETER	VALUE
Microprocessor firmware	MPMA1 version 2.01
GENA firmware	GENA1 version 2.0
FIP FDM library	Version 4.3
Configuration protocol	FIP protocol
Configuration records	Rate, time slot, board number and version status

ENGINEERING NOTE

Confirm IC670FBI001, 24 V DC station power, network address, bus termination and the configured I/O map before connecting the station to the host.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC695PBM300	Related GE product	View IC695PBM300 page
IC693CMM302	Related GE product	View IC693CMM302 page
IC660BRD025	Related GE product	View IC660BRD025 page
IC600LX624	Related GE product	View IC600LX624 page
531X111PSHARG1	Related GE product	View 531X111PSHARG1 page
IC660CBB902	Related GE product	View IC660CBB902 page
IC600YB842	Related GE product	View IC600YB842 page
IC600CB524	Related GE product	View IC600CB524 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

WorldFIP bus interface field station

Connects the station to WorldFIP

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

PRODUCT PRECAUTIONS

- 1 Verify the complete IC670FBI001 catalog marking and assigned Field Control position before work.
- 2 Place the connected WorldFIP process in its approved maintenance state before disturbing the station.
- 3 Isolate BIU and field power, then confirm a safe condition at the IC670FBI001 terminal block.
- 4 Label and record network conductors, shield, termination and field-power wiring before disconnecting any conductor from IC670FBI001.
- 5 Use ESD controls and protect the module connector, terminal block keying and exposed electronics.
- 6 Restore only the documented station address, data map and module configuration; do not copy settings from an adjacent module.
- 7 Energize in a controlled sequence and review PWR, channel, module and network diagnostics.
- 8 Complete network communication, module recognition and I/O response tests and retain the final result before returning the process to service.

ENGINEER FAQ

Q1 Does IC670FBI001 match WorldFIP network in a WorldFIP bus interface field station installation?

Verify the complete IC670FBI001 marking, the documented GE Fanuc Field Control distributed I/O position and the installed WorldFIP network before fitting the assembly.

Q2 How should IC670FBI001 be wired when it must connects the station to worldfip?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for IC670FBI001; then continuity-test the affected path.

Q3 Which GE Fanuc Field Control distributed I/O records should be captured before removing IC670FBI001?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with IC670FBI001 before disconnection.

Q4 What controlled test confirms that IC670FBI001 can supports up to eight field control i/o modules?

Apply the approved field or simulated stimulus, observe the GE Fanuc Field Control distributed I/O indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which Field Control terminal block condition should be checked when IC670FBI001 reports an abnormal state?

Check the Field Control terminal block supply, seating and connection first, then compare channel diagnostics with the recorded IC670FBI001 baseline.

Q6 Can IC670FBI001 be moved directly into Remote I/O cabinet integration without validating 24 V DC station power?

No. Confirm the 24 V DC station power, revision, connection scheme and GE Fanuc Field Control distributed I/O configuration before transferring IC670FBI001 to that duty.

Q7 What maintenance evidence is required after IC670FBI001 is used for Installed-base module renewal?

Retain the nameplate record, corrective action, final diagnostics and a controlled installed-base module renewal functional-test result for IC670FBI001.

Q8 How should IC670FBI001 be returned to service in Controlled commissioning and diagnostics?

Restore power under control, verify exchanges configured input and output data with the host, exercise the intended signal path and release IC670FBI001 only after the GE Fanuc Field Control distributed I/O remains in its approved operating state.

SOURCE GE Fanuc Field Control FIP Bus Interface Unit Important Product Information | GFK-1564, June 1998

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