

IC670ALG621

GE Fanuc Field Control RTD analog input module

Configured RTD resistance and temperature input data

PRODUCT SNAPSHOT

BRAND

GE

FAMILY

GE Fanuc Field Control distributed I/O

PART

IC670ALG621

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PRODUCT OVERVIEW

Configured RTD resistance and temperature input data

1

Uses the exact IC670ALG621 catalog identity

2

Occupies a Field Control analog-input position

3

Processes RTD resistance as temperature data

4

Exchanges configured input and diagnostic information with the station interface

SYSTEM COMPONENTS

Field Control I/O terminal block

Compatible station BIU or processor

Installed RTD field circuits

Approved channel configuration record

TECHNICAL NOTE

Verify the exact IC670ALG621 hardware marking, installed RTD type, conductor arrangement, terminal assignment and existing channel configuration before replacement.

TECHNICAL DATA

PARAMETER	VALUE
Catalog number	IC670ALG621
Product family	Field Control
Signal category	RTD temperature/resistance input
Mounting	Field Control I/O terminal block

PARAMETER	VALUE
Station interface	Compatible Field Control BIU or processor
Configuration method	Station configuration using the supported programmer or host
Data role	Analog input with diagnostic status
Installation system	DIN-rail Field Control station

ENGINEERING NOTE

Verify the exact IC670ALG621 hardware marking, installed RTD type, conductor arrangement, terminal assignment and existing channel configuration before replacement.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS200TRPGH2B-421084	Related GE product	View IS200TRPGH2B-421084 page
IS200SHRAH2A	Related GE product	View IS200SHRAH2A page
IS200WROBH1A	Related GE product	View IS200WROBH1A page
HE693SNP900	Related GE product	View HE693SNP900 page
IC660BBD022-855138	Related GE product	View IC660BBD022-855138 page
RE421REPAH1APR4	Related GE product	View RE421REPAH1APR4 page
8851-LC-MT	Related GE product	View 8851-LC-MT page
IS200DSPXH1DBD	Related GE product	View IS200DSPXH1DBD page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

RTD temperature acquisition field station

Uses the exact IC670ALG621 catalog identity

Remote I/O cabinet integration

Occupies a Field Control analog-input position

Installed-base module renewal

Processes RTD resistance as temperature data

Controlled commissioning and diagnostics

Exchanges configured input and diagnostic information with the station interface

PRODUCT PRECAUTIONS

- 1 Verify the complete IC670ALG621 catalog marking and assigned Field Control position before work.
- 2 Place the connected RTD temperature acquisition process in its approved maintenance state before disturbing the station.
- 3 Isolate BIU and field power, then confirm a safe condition at the IC670ALG621 terminal block.
- 4 Label and record channel conductors, returns, shields and external supply wiring before disconnecting any conductor from IC670ALG621.
- 5 Use ESD controls and protect the module connector, terminal block keying and exposed electronics.
- 6 Restore only the documented channel range, scaling, alarms and default behavior; do not copy settings from an adjacent module.
- 7 Energize in a controlled sequence and review PWR, channel, module and network diagnostics.
- 8 Complete low, midpoint and high signal checks plus alarm and diagnostic verification and retain the final result before returning the process to service.

ENGINEER FAQ

Q1 Does IC670ALG621 match Field Control I/O terminal block in a RTD temperature acquisition field station installation?

Verify the complete IC670ALG621 marking, the documented GE Fanuc Field Control distributed I/O position and the installed Field Control I/O terminal block before fitting the assembly.

Q3 Which GE Fanuc Field Control distributed I/O records should be captured before removing IC670ALG621?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with IC670ALG621 before disconnection.

Q5 Which Compatible station BIU or processor condition should be checked when IC670ALG621 reports an abnormal state?

Check the Compatible station BIU or processor supply, seating and connection first, then compare channel diagnostics with the recorded IC670ALG621 baseline.

Q7 What maintenance evidence is required after IC670ALG621 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 IC670ALG621.

Q2 How should IC670ALG621 be wired when it must uses the exact ic670alg621 catalog identity?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for IC670ALG621; then continuity-test the affected path.

Q4 What controlled test confirms that IC670ALG621 can occupies a field control analog-input position?

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.

Q6 Can IC670ALG621 be moved directly into Remote I/O cabinet integration without validating Approved channel configuration record?

No. Confirm the Approved channel configuration record, revision, connection scheme and GE Fanuc Field Control distributed I/O configuration before transferring IC670ALG621 to that duty.

Q8 How should IC670ALG621 be returned to service in Controlled commissioning and diagnostics?

Restore power under control, verify processes rtd resistance as temperature data, exercise the intended signal path and release IC670ALG621 only after the GE Fanuc Field Control distributed I/O remains in its approved operating state.

SOURCE GE Fanuc Field Control Distributed I/O and Control System I/O Modules User's Manual | GFK-0826J, June 2002

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