

INDUSTRIAL AUTOMATION PRODUCT

IC670ALG621

GE Fanuc Field Control RTD analog input module

Configured RTD resistance and temperature input data

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Fanuc Field Control distributed I/O
Part number	IC670ALG621
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named GE product record.

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

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Field Control I/O terminal block
Companion hardware	Compatible station BIU or processor
Field connection	Installed RTD field circuits
Primary system function	Uses the exact IC670ALG621 catalog identity
Controlled acceptance duty	RTD temperature acquisition field station

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System Role and Architecture

Configured RTD resistance and temperature input data

FUNCTION 1

Uses the exact IC670ALG621 catalog identity

FUNCTION 2

Occupies a Field Control analog-input position

FUNCTION 3

Processes RTD resistance as temperature data

FUNCTION 4

Exchanges configured input and diagnostic information with the station interface

Matched system components

- Field Control I/O terminal block
- Compatible station BIU or processor
- Installed RTD field circuits
- Approved channel configuration record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Field Control I/O terminal block
Companion hardware	Compatible station BIU or processor
Field connection	Installed RTD field circuits
Primary system function	Uses the exact IC670ALG621 catalog identity
Controlled acceptance duty	RTD temperature acquisition field station

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Applications and Engineering Context

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

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC670ALG621 / IC670ALG621 recorded
Physical interface	Field Control I/O terminal block
Companion check	Compatible station BIU or processor
Functional proof	Uses the exact IC670ALG621 catalog identity
Application test	RTD temperature acquisition field station

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Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS200HSLAH1ADE	Related GE product	View IS200HSLAH1ADE page
IS210MVR AH2A-IS200M VRAH2AFC	Related GE product	View IS210MVR AH2A-IS200M VRAH2AFC page
IS200BPPBH2CAA	Related GE product	View IS200BPPBH2CAA page
IS215PMVPH1AA-IS200 MVREH...	Related GE product	View IS215PMVPH1AA-IS200MVREH... page
IC693MDR390	Related GE product	View IC693MDR390 page
IC693CHS398	Related GE product	View IC693CHS398 page
IS200ACLEH1BCB	Related GE product	View IS200ACLEH1BCB page
DS200TCDAF1BCM	Related GE product	View DS200TCDAF1BCM page

MANUFACTURER SOURCE RECORD

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

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