

INDUSTRIAL AUTOMATION PRODUCT

IC670ALG330

GE Fanuc eight-channel analog current-source output module

Eight 0 to 20 mA sourced analog output signals

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Fanuc Field Control distributed I/O
Part number	IC670ALG330
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	IC670ALG330
Output channels	8
Output range	0 to 20 mA
Output overrange	Approximately 20.48 mA
Digital resolution	16 bits
Analog output data	0 to 8 words
Status data	0 to 32 bits
Fault-clear data	0 to 16 bits
Default BIU timeout	500 ms
Open-wire threshold	Approximately 2 mA
Open-wire enable condition	Configured low span at or above 3.5 mA
Required BIU revision	2.0 or later

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Separate analog output power
Companion hardware	Eight current-loop loads
Field connection	Field Control BIU revision 2.0 or later
Primary system function	Drives eight 0-20 mA current outputs
Controlled acceptance duty	eight-channel current-loop command generation field station

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System Role and Architecture

Eight 0 to 20 mA sourced analog output signals

FUNCTION 1

Drives eight 0-20 mA current outputs

FUNCTION 2

Uses 16-bit conversion

FUNCTION 3

Provides output overrange to about 20.48 mA

FUNCTION 4

Supports per-channel scaling, defaults and alarm reporting

Matched system components

- Separate analog output power
- Eight current-loop loads
- Field Control BIU revision 2.0 or later
- Configured AQ and diagnostic data

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Separate analog output power
Companion hardware	Eight current-loop loads
Field connection	Field Control BIU revision 2.0 or later
Primary system function	Drives eight 0-20 mA current outputs
Controlled acceptance duty	eight-channel current-loop command generation field station

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Applications and Engineering Context

eight-channel current-loop command generation field station

Drives eight 0-20 mA current outputs

Remote I/O cabinet integration

Uses 16-bit conversion

Installed-base module renewal

Provides output overrange to about 20.48 mA

Controlled commissioning and diagnostics

Supports per-channel scaling, defaults and alarm reporting

TECHNICAL NOTE

Confirm user power, shared return, load resistance, scaling range, 500 ms timeout and open-wire threshold before enabling commands.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC670ALG330 / IC670ALG330 recorded
Physical interface	Separate analog output power
Companion check	Eight current-loop loads
Functional proof	Drives eight 0-20 mA current outputs
Application test	eight-channel current-loop command generation field station

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Engineering Precautions

- 1 Verify the complete IC670ALG330 catalog marking and assigned Field Control position before work.
- 2 Place the connected eight-channel current-loop command generation process in its approved maintenance state before disturbing the station.
- 3 Isolate BIU and field power, then confirm a safe condition at the IC670ALG330 terminal block.
- 4 Label and record channel conductors, returns, shields and external supply wiring before disconnecting any conductor from IC670ALG330.
- 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
IC695CPE305	Related GE product	View IC695CPE305 page
151X1202YE03SA04-IS200ST...	Related GE product	View 151X1202YE03SA04-IS200ST... page
IS200TRLYH1BED	Related GE product	View IS200TRLYH1BED page
MIVII3000E00HI00	Related GE product	View MIVII3000E00HI00 page
IS215VPROH1BD	Related GE product	View IS215VPROH1BD page
IS200VCMIH2CAA-IS215VCMI...	Related GE product	View IS200VCMIH2CAA-IS215VCMI... page
IC200UDR005-DJ	Related GE product	View IC200UDR005-DJ page
A06B-6117-H209	Related GE product	View A06B-6117-H209 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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