

IC670ALG330

GE Fanuc eight-channel analog current-source output module

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC670ALG330
Manufacturer part	IC670ALG330
Hardware type	IC670ALG330
System family	GE Fanuc Field Control distributed I/O



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01 PRE-INSTALLATION PLAN

- 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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
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

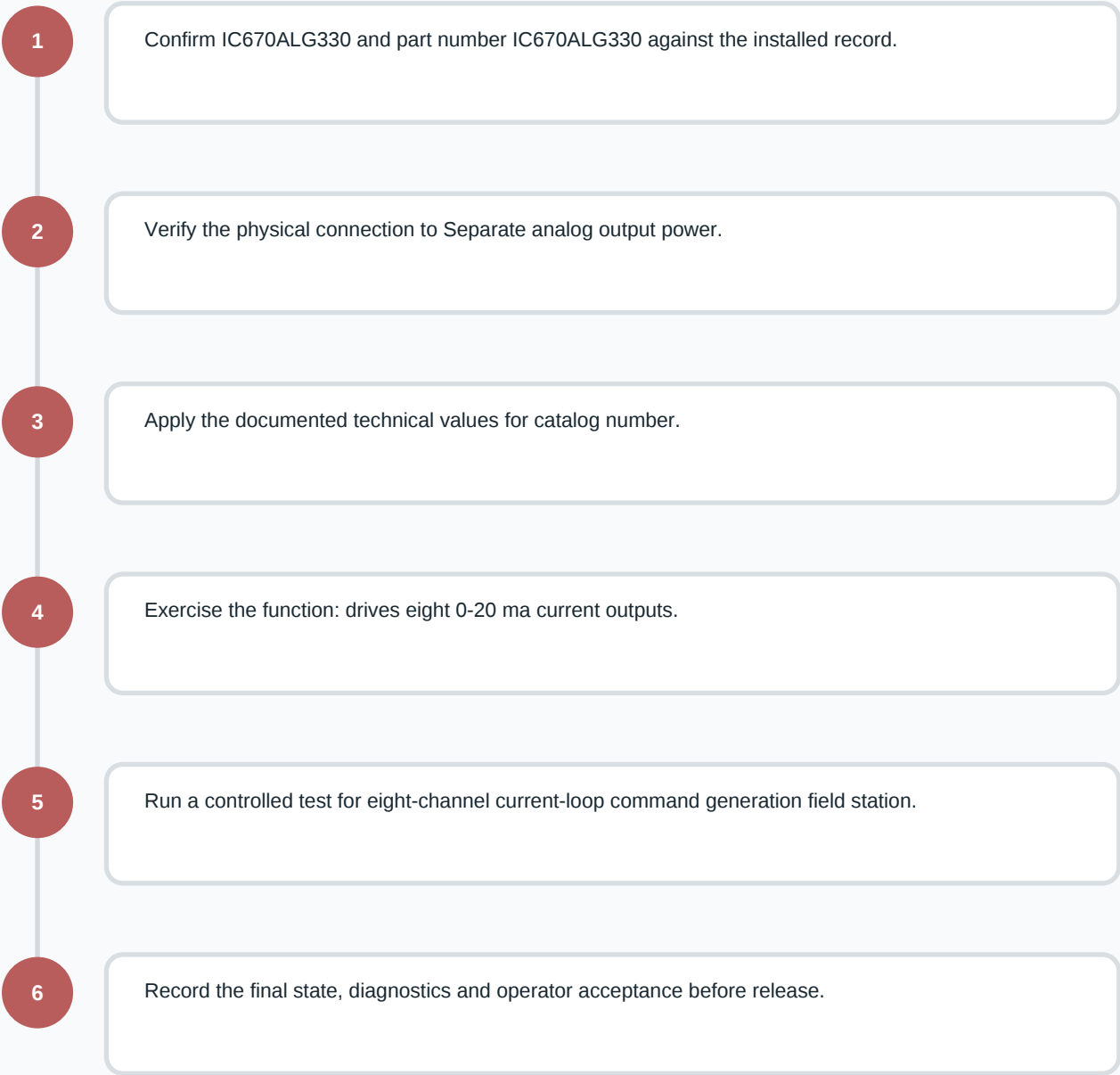
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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

FIELD NOTE

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

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

- ☐ Restore only the documented channel range, scaling, alarms and default behavior; do not copy settings from an adjacent module.
- ☐ Energize in a controlled sequence and review PWR, channel, module and network diagnostics.
- ☐ Complete low, midpoint and high signal checks plus alarm and diagnostic verification and retain the final result before returning the process to service.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	IC670ALG330
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
PCIE-5565PIORC-100A00	Related GE product	View PCIE-5565PIORC-100A00 page
A06B-6096-H106	Related GE product	View A06B-6096-H106 page
A06B-6096-H104	Related GE product	View A06B-6096-H104 page
A06B-6087-H155	Related GE product	View A06B-6087-H155 page
HE693ADC415	Related GE product	View HE693ADC415 page
A06B-6102-H245-H520	Related GE product	View A06B-6102-H245-H520 page
IS200WROBH1AAA	Related GE product	View IS200WROBH1AAA page
IS200STCIH2A	Related GE product	View IS200STCIH2A page

SOURCE IDENTIFIERS

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

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