

IC660BBA105

115 VAC/125 VDC Current-source Analog Output Block

CONTROLLED ENGINEERING COPY

GE IC660BBA105 is a 115 VAC/125 VDC Current-source Analog Output Block for the GE Genius I/O. It provides the documented field interface or control function in the configured system.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC660BBA105
Manufacturer	General Electric
System family	GE Genius I/O
Record scope	Installation, application and verification

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01 PRE-INSTALLATION PLAN

- 1

Confirm the full IC660BBA105 catalog marking and installed GE Genius I/O position before work.
- 2

Isolate the station supply and connected field energy using the approved procedure.
- 3

Record every terminal, common, shield, connector and configured point before removal.
- 4

Use ESD controls and protect backplane, terminal and connector contacts from contamination.
- 5

Verify each documented value for IC660BBA105 against the installed host and field circuit.

MATCHED HARDWARE

- GE IC660BBA105 with complete catalog identity
- Matched Genius bus controller and approved host
- Recorded terminal, cable and field-device schedule
- Approved grounding, shielding and protection hardware

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC660BBA105 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Analog outputs	6
Signal range	4 to 20 mA
Controllable range	0 to 24 mA
Output resolution	6 uA
Output accuracy	0.15% of full scale at 25 degC
Update rate	25 ms
Load range	0 to 850 ohms
Block power	93 to 132 VAC or 105 to 145 VDC
Block isolation	1500 V for one minute
Heat dissipation	12 W maximum
BSM control	IC660BSM021

RELATED GE PRODUCT PAGES

1GE DS200SBCBG1ADC

2GE DS200PCTMG1AAA

3GE DS200PCCAG9ACB

4GE DS200FCRRG1AKD

5GE DS200ADGIH1AAA

6GE A06B-0104-B111-7000

7GE 750-P5-G5-HI-A1-R-E

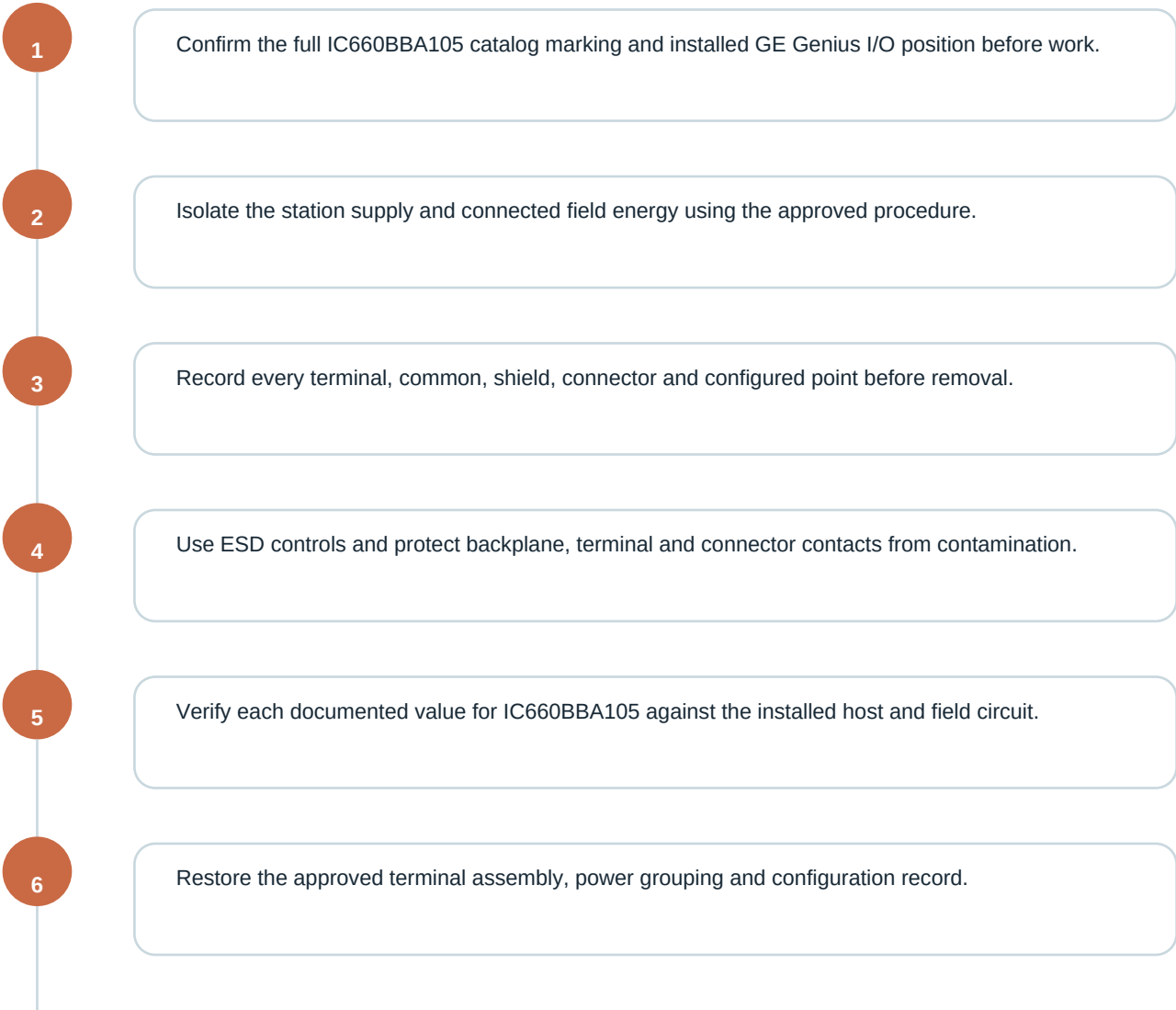
8GE IC670GBI002

9GE IC670GBI001

FIELD NOTE

Confirm IC660BBA105, the installed Genius bus position, terminal or connector identity, field wiring and configuration before energization.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC660BBA105
Physical interface	Exact model, bus position, terminals and connected field circuits matched
Configuration	Device number, I/O assignments and approved configuration restored
Functional proof	Controlled diagnostics and field-response test recorded

04 RETURN-TO-SERVICE RECORD

- ☐ Verify each documented value for IC660BBA105 against the installed host and field circuit.
- ☐ Restore the approved terminal assembly, power grouping and configuration record.
- ☐ Energize in the prescribed sequence and review module, bus and point diagnostics.
- ☐ Complete a controlled signal or load test before returning the station to service.

VERIFICATION RECORD

PRODUCT IDENTITY	IC660BBA105
INSTALLED POSITION	Documented GE Genius I/O bus position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Confirm the exact model remains assigned to the documented host position.
- ☐ Verify every mating interface and field connection against the as-found record.
- ☐ Exercise the intended product function under controlled conditions.
- ☐ Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

Genius I/O Discrete and Analog Blocks User's Manual | GE Fanuc GEK-90486D-2, September 1993