

IC660BBA105

115 VAC/125 VDC Current-source Analog Output Block

Official GE Genius I/O reference for the documented 115 vac/125 vdc current-source analog output block.

PRODUCT SNAPSHOT

BRAND
General Electric

FAMILY
GE Genius I/O

PART
IC660BBA105

DOCUMENT STATUS
Controlled engineering copy

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PRODUCT OVERVIEW

IC660BBA105 provides the documented 115 vac/125 vdc current-source analog output block role for a matched GE Genius I/O installation.



Provides the documented 115 vac/125 vdc current-source analog output block function



Uses exact catalog identity IC660BBA105 for replacement control



Integrates with the matched GE Genius I/O hardware



Supports controlled connection checks and functional verification

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
IC660BBA105 product block	Matched Genius bus controller
Documented field wiring	Approved host configuration

ENGINEERING CONTEXT

The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC660BBA105. Commissioning preserves the installed point map and verifies controlled field response.

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
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 DS200PCCAG9ACB

2GE DS200FCRRG1AKD

3GE DS200ADGIH1AAA

4GE A06B-0104-B111-7000

5GE 750-P5-G5-HI-A1-R-E

6GE IC670GBI002

7GE IC670GBI001

8GE DS200SBCBG1ADC

9GE DS200PCTMG1AAA

TECHNICAL NOTE

Install IC660BBA105 only in the documented GE Genius I/O position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

GE Genius I/O station maintenance

Restores the documented 115 vac/125 vdc current-source analog output block function in an

Distributed I/O refurbishment

Uses exact IC660BBA105 identity when rebuilding the recorded field interface.

Control-panel modernization

Preserves the approved terminal, power and communications arrangement during migration work.

Controlled recommissioning

Verifies point mapping, diagnostics and field response before process release.

PRODUCT PRECAUTIONS

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.

6

Restore the approved terminal assembly, power grouping and configuration record.

7

Energize in the prescribed sequence and review module, bus and point diagnostics.

8

Complete a controlled signal or load test before returning the station to service.

ENGINEER FAQ

Q1 How is IC660BBA105 identified?

Match the complete catalog number and the 115 VAC/125 VDC Current-source Analog Output Block designation.

Q2 Which system accepts IC660BBA105?

Use the documented GE Genius I/O carrier, terminal and bus arrangement.

Q3 What records are retained before removing IC660BBA105?

Record terminals, commons, shields, connectors, point mapping and diagnostics.

Q4 How is IC660BBA105 isolated safely?

Isolate station and field supplies, prove the safe state and apply ESD controls.

Q5 Which official values govern IC660BBA105?

Analog outputs: 6; Signal range: 4 to 20 mA; Controllable range: 0 to 24 mA; Output resolution: 6 uA.

Q6 How is IC660BBA105 configuration restored?

Restore the approved hardware execution, power grouping and point map.

Q7 Which diagnostics follow IC660BBA105 energization?

Review module, bus and channel status in the prescribed startup sequence.

Q8 What releases IC660BBA105 to service?

A controlled signal or load test with the expected field response and no active diagnostic.

RELATED APTER POWER PAGES

1 GE DS200PCCAG9ACB

2 GE DS200FCRRG1AKD

3 GE DS200ADGIH1AAA

4 GE A06B-0104-B111-7000

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

6 GE IC670GBI002

7 GE IC670GBI001

8 GE DS200SBCBG1ADC

9 GE DS200PCTMG1AAA

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

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