

IC660BBA025

24/48 VDC Current-Source Analog Output Block

GE IC660BBA025 is the documented 24/48 VDC Current-Source Analog Output Block for the Genius I/O.

IDENTITY	VERIFIED VALUE
Manufacturer	General Electric
System family	Genius I/O
Part number	IC660BBA025
Product role	Provides the documented 24/48 vdc current-source analog output block function
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Install IC660BBA025 only in the documented Genius I/O position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

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IC660BBA025

Technical Specifications

Technical values below are limited to the named General Electric product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Analog outputs	6	Output resolution	6 uA
Signal range	4 to 20 mA	Output accuracy	0.15% of full scale at 25 deg C
Controllable range	0 to 24 mA	Update rate	25 ms
Block power	24/48 V DC	Block isolation	1500 V for one minute
Supply range	18 to 56 V DC		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Genius I/O
Primary system role	Provides the documented 24/48 vdc current-source analog output block function
Connection boundary	Install IC660BBA025 only in the documented Genius I/O position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.
Controlled acceptance duty	Genius I/O station maintenance

ENGINEERING BOUNDARY

Confirm IC660BBA025, host, terminals, power grouping, point map and controlled test results before release.

Pre-Installation Checks

1	Confirm the full IC660BBA025 catalog marking and installed 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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	IC660BBA025
Installed host	Genius I/O
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

GE IC660BBA025 is the documented 24/48 VDC Current-Source Analog Output Block for the Genius I/O.

FUNCTION 1
Provides the documented 24/48 vdc current-source analog output block function

FUNCTION 2
Uses exact catalog identity IC660BBA025 for replacement control

FUNCTION 3
Integrates with the matched Genius I/O hardware

FUNCTION 4
Supports controlled connection checks and functional verification

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Genius I/O
2	4 to 20 mA
3	Genius I/O station maintenance
4	Install IC660BBA025 only in the documented Genius I/O position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Genius I/O
Interface role	Provides the documented 24/48 vdc current-source analog output block function
Field / power context	The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC660BBA025. Commissioning preserves the installed point map and verifies controlled field response.
Commissioning evidence	Complete a controlled signal or load test before returning the station to service.

Installation and Connection Checks

1

Verify each documented value for IC660BBA025 against the installed host and field circuit.

2

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

3

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

4

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

MANUFACTURER SOURCE RECORD

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

Applications and Engineering Context

Genius I/O station maintenance

Restores the documented 24/48 vdc current-source analog output block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBA025 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.

TECHNICAL NOTE

Install IC660BBA025 only in the documented Genius I/O position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	IC660BBA025 recorded
Host / carrier	Genius I/O
Physical interface	Provides the documented 24/48 vdc current-source analog output block function
Configuration	Energize in the prescribed sequence and review module, bus and point diagnostics.
Functional proof	Complete a controlled signal or load test before returning the station to service.

IMPORTANT NOTICE

Confirm IC660BBA025, host, terminals, power grouping, point map and controlled test results before release.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	IC660BBA025
Approved role	Genius I/O station maintenance
Final validation	Complete a controlled signal or load test before returning the station to service.

Engineering Precautions

- 1

Confirm the full IC660BBA025 catalog marking and installed 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 IC660BBA025 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.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS210TREA1A	product page	View IS210TREA1A page
0552N1QLG132A-06-V1-1	product page	View 0552N1QLG132A-06-V1-1 page
IC600BF831K	product page	View IC600BF831K page
IC200CBL230B	product page	View IC200CBL230B page
IC200MDD845	product page	View IC200MDD845 page
IS2100WETBH1B	product page	View IS2100WETBH1B page
IS215WEMAH1B	product page	View IS215WEMAH1B page
IS210MACCH1A	product page	View IS210MACCH1A page

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