IC660BBA025

24/48 VDC Current-Source Analog Output Block

GE IC660BBA025 is a 24/48 VDC Current-Source Analog Output Block for the Genius I/O. It provides the documented field interface or control function in the configured system.

BRAND	General Electric	FAMILY	Genius I/O
PART	IC660BBA025	SYSTEM ROLE	Provides the documented 24/48 vdc current-source analog output block function

APTER POWER SALES TEAM

WHATSAPP / PHONE
+86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE
www.apterpower.com

IC660BBA025

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

GE IC660BBA025 is a 24/48 VDC Current-Source Analog Output Block for the Genius I/O. It provides the documented field interface or control function in the configured system.

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

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Genius I/O
Primary interface	Provides the documented 24/48 vdc current-source analog output block function
Engineering 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 duty	Complete a controlled signal or load test before returning the station to service.

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.

Technical Data

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		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS215WEMAH1B	product page	View IS215WEMAH1B page
IS210MACCH1A	product page	View IS210MACCH1A page
IS210TREAH1A	product page	View IS210TREAH1A page
0552N1QLG132A-06-V1-1	product page	View 0552N1QLG132A-06-V1-1 page
IC600BF831K	product page	View IC600BF831K page
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IC200MDD845	product page	View IC200MDD845 page
IS2100WETBH1B	product page	View IS2100WETBH1B page

ENGINEERING BOUNDARY

Confirm IC660BBA025, Genius I/O host, hardware revision, terminal or connector type, power and signal ranges, wiring, grounding, bus configuration, companion accessories and controlled commissioning results before service release.

Applications and Precautions

Common Applications

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.

Product 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.

IMPORTANT NOTICE

Confirm IC660BBA025, Genius I/O host, hardware revision, terminal or connector type, power and signal ranges, wiring, grounding, bus configuration, companion accessories and controlled commissioning results before service release.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	IC660BBA025
Configuration	Energize in the prescribed sequence and review module, bus and point diagnostics.
Functional release	Complete a controlled signal or load test before returning the station to service.

Engineer FAQ

Q1 **How is IC660BBA025 identified?**

Match the complete catalog number and the 24/48 VDC Current-Source Analog Output Block designation.

Q2 **Which system accepts IC660BBA025?**

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

Q3 **What records are retained before removing IC660BBA025?**

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

Q4 **How is IC660BBA025 isolated safely?**

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

Q5 **Which official values govern IC660BBA025?**

Analog outputs: 6; Signal range: 4 to 20 mA; Controllable range: 0 to 24 mA; Block power: 24/48 V DC.

Q6 **How is IC660BBA025 configuration restored?**

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

Q7 **Which diagnostics follow IC660BBA025 energization?**

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

Q8 **What releases IC660BBA025 to service?**

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

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