IC660BBA026

24/48 VDC Current-Source Analog Input Block

GE IC660BBA026 is a 24/48 VDC Current-Source Analog Input 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	IC660BBA026	SYSTEM ROLE	Provides the documented 24/48 vdc current-source analog input block function

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IC660BBA026

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

GE IC660BBA026 is a 24/48 VDC Current-Source Analog Input 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 input block function

FUNCTION 2

Uses exact catalog identity IC660BBA026 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 input block function
Engineering context	The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC660BBA026. 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 IC660BBA026 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 inputs	6	Input resolution	1 uA
Signal range	4 to 20 mA	Conversion time	16.6 to 400 ms selectable
Overrange capacity	0 to 25 mA	Input impedance	100 ohm +/-5%
Block power	24/48 V DC	Channel isolation	1500 V RMS
Supply range	18 to 56 V DC		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS410JPDHG1A-IS400JPDHG1ABB	product page	View IS410JPDHG1A-IS400JPDHG1ABB page
IC694ALG221A	product page	View IC694ALG221A page
IS200AEADH4A	product page	View IS200AEADH4A page
151X1233DB02SA02	product page	View 151X1233DB02SA02 page
IS215REBFH1B	product page	View IS215REBFH1B page
151X1235BC01SA41	product page	View 151X1235BC01SA41 page
IC695CPE310	product page	View IC695CPE310 page
IS210AEBIH1BEA	product page	View IS210AEBIH1BEA page

ENGINEERING BOUNDARY

Confirm IC660BBA026, 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 input block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBA026 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 IC660BBA026 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 IC660BBA026 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 IC660BBA026, 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	IC660BBA026
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 IC660BBA026 identified?**

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

Q2 **Which system accepts IC660BBA026?**

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

Q3 **What records are retained before removing IC660BBA026?**

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

Q4 **How is IC660BBA026 isolated safely?**

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

Q5 **Which official values govern IC660BBA026?**

Analog inputs: 6; Signal range: 4 to 20 mA; Overrange capacity: 0 to 25 mA; Block power: 24/48 V DC.

Q6 **How is IC660BBA026 configuration restored?**

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

Q7 **Which diagnostics follow IC660BBA026 energization?**

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

Q8 **What releases IC660BBA026 to service?**

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

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