APTER POWER

INDUSTRIAL AUTOMATION PRODUCT

IC660BBA026

24/48 VDC Current-Source Analog Input Block

GE IC660BBA026 is the documented 24/48 VDC Current-Source Analog Input Block for the Genius I/O.

IDENTITY	VERIFIED VALUE
Manufacturer	General Electric
System family	Genius I/O
Part number	IC660BBA026
Product role	Provides the documented 24/48 vdc current-source analog input 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 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.

APTER POWER SALES TEAM

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

IC660BBA026

PRODUCT TECHNICAL REFERENCE

Technical Specifications

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

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		

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 input block function
Connection boundary	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.
Controlled acceptance duty	Genius I/O station maintenance

ENGINEERING BOUNDARY

Confirm IC660BBA026, host, terminals, power grouping, point map and controlled test results before release.

Pre-Installation Checks

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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	IC660BBA026
Installed host	Genius I/O
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

GE IC660BBA026 is the documented 24/48 VDC Current-Source Analog Input Block for the Genius I/O.

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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Genius I/O
2	4 to 20 mA
3	Genius I/O station maintenance
4	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.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Genius I/O
Interface role	Provides the documented 24/48 vdc current-source analog input block function
Field / power 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 evidence	Complete a controlled signal or load test before returning the station to service.

Installation and Connection Checks

1. Verify each documented value for IC660BBA026 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 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.

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.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	IC660BBA026 recorded
Host / carrier	Genius I/O
Physical interface	Provides the documented 24/48 vdc current-source analog input 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 IC660BBA026, host, terminals, power grouping, point map and controlled test results before release.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	IC660BBA026
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 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.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER 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
IS410JPDHG1A-IS400JPDHG1ABB	product page	View IS410JPDHG1A-IS400JPDHG1ABB page
IC694ALG221A	product page	View IC694ALG221A page

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