

IC660BBA020

24/48 VDC 4-Input/2-Output Analog Block

GE IC660BBA020 is a 24/48 VDC 4-Input/2-Output Analog 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	IC660BBA020	SYSTEM ROLE	Provides the documented 24/48 vdc 4-input/2-output analog block function

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IC660BBA020

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

GE IC660BBA020 is a 24/48 VDC 4-Input/2-Output Analog 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 4-input/2-output analog block function

FUNCTION 2

Uses exact catalog identity IC660BBA020 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 4-input/2-output analog block function
Engineering context	The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC660BBA020. 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 IC660BBA020 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	4	Resolution	12 bit plus sign
Analog outputs	2	Update frequency	Every 4 ms
Block power	24/48 V DC	Block isolation	1500 V
Supply range	18 to 56 V DC	Heat dissipation	6 W
Signal ranges	0 to 10 V; +/-10 V; +/-5 V; 0 to 5 V; 4 to 20 mA		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC200MDL940F	product page	View IC200MDL940F page
IC660ERD024C1	product page	View IC660ERD024C1 page
IC693CPU374-158503	product page	View IC693CPU374-158503 page
IC695ALG312	product page	View IC695ALG312 page
IC695ALG508	product page	View IC695ALG508 page
IC693PTM101A	product page	View IC693PTM101A page
IC695CMX128	product page	View IC695CMX128 page
IC693CPU363-DL	product page	View IC693CPU363-DL page

ENGINEERING BOUNDARY

Confirm IC660BBA020, 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 4-input/2-output analog block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBA020 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 IC660BBA020 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 IC660BBA020 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 IC660BBA020, 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	IC660BBA020
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 IC660BBA020 identified?

Match the complete catalog number and the 24/48 VDC 4-Input/2-Output Analog Block designation.

Q3 What records are retained before removing IC660BBA020?

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

Q5 Which official values govern IC660BBA020?

Analog inputs: 4; Analog outputs: 2; Block power: 24/48 V DC; Supply range: 18 to 56 V DC.

Q7 Which diagnostics follow IC660BBA020 energization?

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

Q2 Which system accepts IC660BBA020?

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

Q4 How is IC660BBA020 isolated safely?

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

Q6 How is IC660BBA020 configuration restored?

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

Q8 What releases IC660BBA020 to service?

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

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