

INDUSTRIAL AUTOMATION PRODUCT

IC660BBD023

24 VDC 16-circuit Sink I/O Block

GE IC660BBD023 is a 24 VDC 16-circuit Sink I/O Block for the GE Genius I/O. It provides the documented field interface or control function in the configured system.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	General Electric
System family	GE Genius I/O
Part number	IC660BBD023
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install IC660BBD023 only in the documented GE Genius I/O position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

System Role and Architecture

GE IC660BBD023 is a 24 VDC 16-circuit Sink I/O Block for the GE Genius I/O. It provides the documented field interface or control function in the configured system.

FUNCTION 1
Provides the documented 24 vdc 16-circuit sink i/o block function

FUNCTION 2
Uses exact catalog identity IC660BBD023 for replacement control

FUNCTION 3
Integrates with the matched GE Genius I/O hardware

FUNCTION 4
Supports controlled connection checks and functional verification

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	GE Genius I/O
02	Matched extension cable and ClickLoc connector loop
03	3300 XL Proximity Sensor host channel
04	AISI 4140 steel target or approved equivalent

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	GE Genius I/O
Interface role	24 VDC 16-circuit Sink I/O Block
Field / power context	Matched GE Genius bus, terminal assembly and configured host system
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the full IC660BBD023 catalog marking and installed GE 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.

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Discrete circuits	16	Field devices	Two-wire, three-wire and electromechanical sensors
Output logic	Sink / current sinking	Block isolation	1500 V
Operating voltage	18 to 30 VDC	Status indicators	Unit OK, I/O Enabled and individual circuit LEDs
Supply ripple	10% maximum		

RELATED GE PRODUCT PAGES

1GE UR9GH

2GE IC693ACC302B

3GE IC200PWR002G

4GE 31F323G1

5GE DS215TCCAG1BZZ01A-DS200TCCAG1BA

6GE DS200TCCAG1AJB

7GE IS420UCSCH1A-G-V0-1-A

8GE XMTC-62-11-0

9GE IS200TREA1A

ENGINEERING BOUNDARY

Confirm IC660BBD023, GE 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.

PRE-INSTALLATION CHECKS

- 1

Confirm the full IC660BBD023 catalog marking and installed GE 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.

Applications and Engineering Context

GE Genius I/O station maintenance

Restores the documented 24 vdc 16-circuit sink i/o block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBD023 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 IC660BBD023 only in the documented GE 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	IC660BBD023 recorded
Host / carrier	GE Genius I/O
Physical interface	Exact model, bus position, terminals and connected field circuits matched
Configuration	Device number, I/O assignments and approved configuration restored
Functional proof	Controlled diagnostics and field-response test recorded

IMPORTANT NOTICE

Confirm IC660BBD023, GE 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.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

GE UR9GH

View GE UR9GH page

2

GE IC693ACC302B

View GE IC693ACC302B page

3

GE IC200PWR002G

View GE IC200PWR002G page

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GE 31F323G1

View GE 31F323G1 page

5

GE DS215TCCAG1BZZ01A-DS200TCCAG1BAA

View GE DS215TCCAG1BZZ01A-DS200TCCAG1BAA page

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GE DS200TCCAG1AJB

View GE DS200TCCAG1AJB page

7

GE IS420UCSCH1A-G-V0-1-A

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8

GE XMTC-62-11-0

View GE XMTC-62-11-0 page

9

GE IS200TREA1A

View GE IS200TREA1A page

MANUFACTURER SOURCE RECORD

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

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.