

IC660BBD023

24 VDC 16-circuit Sink I/O Block

Official GE Genius I/O reference for the documented 24 vdc 16-circuit sink i/o block.

PRODUCT SNAPSHOT

BRAND
General Electric

FAMILY
GE Genius I/O

PART
IC660BBD023

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

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PRODUCT OVERVIEW

IC660BBD023 provides the documented 24 vdc 16-circuit sink i/o block role for a matched GE Genius I/O installation.

-  Provides the documented 24 vdc 16-circuit sink i/o block function
-  Uses exact catalog identity IC660BBD023 for replacement control
-  Integrates with the matched GE Genius I/O hardware
-  Supports controlled connection checks and functional verification

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
IC660BBD023 product block	Matched Genius bus controller
Documented field wiring	Approved host configuration

ENGINEERING CONTEXT

The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC660BBD023. Commissioning preserves the installed point map and verifies controlled field response.

TECHNICAL DATA

PARAMETER	VALUE
Discrete circuits	16
Output logic	Sink / current sinking
Operating voltage	18 to 30 VDC
Supply ripple	10% maximum

PARAMETER	VALUE
Field devices	Two-wire, three-wire and electromechanical sensors
Block isolation	1500 V
Status indicators	Unit OK, I/O Enabled and individual circuit LEDs

RELATED GE PRODUCT PAGES

1GE
DS215TCCAG1BZZ01A-DS200TCCAG1BA

2GE DS200TCCAG1AJB

3GE IS420UCSCH1A-G-V0-1-A

4GE XMTC-62-11-0

5GE IS200TREA1A

6GE UR9GH

7GE IC693ACC302B

8GE IC200PWR002G

9GE 31F323G1

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

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.

5

Verify each documented value for IC660BBD023 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.

ENGINEER FAQ

Q1 **How is IC660BBD023 identified?**

Match the complete catalog number and the 24 VDC 16-circuit Sink I/O Block designation.

Q2 **Which system accepts IC660BBD023?**

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

Q3 **What records are retained before removing IC660BBD023?**

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

Q4 **How is IC660BBD023 isolated safely?**

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

Q5 **Which official values govern IC660BBD023?**

Discrete circuits: 16; Output logic: Sink / current sinking; Operating voltage: 18 to 30 VDC; Supply ripple: 10% maximum.

Q6 **How is IC660BBD023 configuration restored?**

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

Q7 **Which diagnostics follow IC660BBD023 energization?**

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

Q8 **What releases IC660BBD023 to service?**

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

RELATED APTER POWER PAGES

1 **GE DS215TCCAG1BZZ01A-DS200TCCAG1BA**

2 **GE DS200TCCAG1AJB**

3 **GE IS420UCSCH1A-G-V0-1-A**

4 **GE XMTC-62-11-0**

5 **GE IS200TREA1A**

6 **GE UR9GH**

7 **GE IC693ACC302B**

8 **GE IC200PWR002G**

9 **GE 31F323G1**

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

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