

IC660BBS102

115 VAC/125 VDC 8-circuit Isolated I/O Block with Diagnostics

Official GE Genius I/O reference for the documented 115 vac/125 vdc 8-circuit isolated i/o block with diagnostics.

PRODUCT SNAPSHOT

BRAND
General Electric

FAMILY
GE Genius I/O

PART
IC660BBS102

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

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PRODUCT OVERVIEW

IC660BBS102 provides the documented 115 vac/125 vdc 8-circuit isolated i/o block with diagnostics role for a matched GE Genius I/O installation.

-  Provides the documented 115 vac/125 vdc 8-circuit isolated i/o block with diagnostics
-  Uses exact catalog identity IC660BBS102 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
IC660BBS102 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 IC660BBS102. Commissioning preserves the installed point map and verifies controlled field response.

TECHNICAL DATA

PARAMETER	VALUE
Discrete circuits	8
Circuit grouping	Four isolated pairs
Failed Switch diagnostic	Included
Replaces	IC660BBS100
Operating power	93 to 132 VAC or 105 to 132 VDC
Block isolation	1500 V

PARAMETER	VALUE
Continuous group isolation	250 VAC/VDC
Transient group isolation	2000 V for 10 seconds
Heat dissipation	16.8 W inputs; 45.6 W outputs
Selectable input filter	10 to 100 ms
Maximum output current	2 A

RELATED GE PRODUCT PAGES

- 1

GE IC200CBL230B
- 2

GE IC200MDD845
- 3

GE IS2100WETBH1B
- 4

GE IS215WEMAH1B
- 5

GE IS210MACCH1A
- 6

GE IS200EGDMH1AFG
- 7

GE IS210TREA1A
- 8

GE 0552N1QLG132A-06-V1-1
- 9

GE IC600BF831K

TECHNICAL NOTE

Install IC660BBS102 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 115 vac/125 vdc 8-circuit isolated i/o block with diagnostics function in an

Distributed I/O refurbishment

Uses exact IC660BBS102 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 IC660BBS102 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 IC660BBS102 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 IC660BBS102 identified?

Match the complete catalog number and the 115 VAC/125 VDC 8-circuit Isolated I/O Block with Diagnostics designation.

Q2 Which system accepts IC660BBS102?

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

Q3 What records are retained before removing IC660BBS102?

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

Q4 How is IC660BBS102 isolated safely?

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

Q5 Which official values govern IC660BBS102?

Discrete circuits: 8; Circuit grouping: Four isolated pairs; Failed Switch diagnostic: Included; Replaces: IC660BBS100.

Q6 How is IC660BBS102 configuration restored?

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

Q7 Which diagnostics follow IC660BBS102 energization?

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

Q8 What releases IC660BBS102 to service?

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

RELATED APTER POWER PAGES

1 GE IC200CBL230B

2 GE IC200MDD845

3 GE IS2100WETBH1B

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5 GE IS210MACCH1A

6 GE IS200EGDMH1AFG

7 GE IS210TREA1A

8 GE 0552N1QLG132A-06-V1-1

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

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