

IC660BBS103

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

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

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Genius I/O

PART

IC660BBS103

DOCUMENT STATUS

Controlled engineering copy

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PRODUCT OVERVIEW

IC660BBS103 provides the documented 115 vac/125 vdc 8-circuit isolated i/o block role for a matched GE Genius I/O installation.



Provides the documented 115 vac/125 vdc 8-circuit isolated i/o block function



Uses exact catalog identity IC660BBS103 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
IC660BBS103 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 IC660BBS103. 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	Omitted for parallel manual switches
Replaces	IC660BBS101
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

1GE IC695CPE310

2GE IS210AEBIH1BEA

3GE IS410JPDHG1A-IS400JPDHG1ABB

4GE IC694ALG221A

5GE IC694MDL645D

6GE IS200AEADH4A

7GE 151X1233DB02SA02

8GE IS215REBFH1B

9GE 151X1235BC01SA41

TECHNICAL NOTE

Install IC660BBS103 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 function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBS103 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 IC660BBS103 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 IC660BBS103 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 IC660BBS103 identified?

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

Q2 Which system accepts IC660BBS103?

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

Q3 What records are retained before removing IC660BBS103?

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

Q4 How is IC660BBS103 isolated safely?

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

Q5 Which official values govern IC660BBS103?

Discrete circuits: 8; Circuit grouping: Four isolated pairs; Failed Switch diagnostic: Omitted for parallel manual switches; Replaces: IC660BBS101.

Q6 How is IC660BBS103 configuration restored?

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

Q7 Which diagnostics follow IC660BBS103 energization?

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

Q8 What releases IC660BBS103 to service?

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

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1 GE IC695CPE310

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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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