

IC660BBR101

16-circuit Normally-open Relay Output Block

Official GE Genius I/O reference for the documented 16-circuit normally-open relay output block.

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Genius I/O

PART

IC660BBR101

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

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PRODUCT OVERVIEW

IC660BBR101 provides the documented 16-circuit normally-open relay output block role for a matched GE Genius I/O installation.



Provides the documented 16-circuit normally-open relay output block function



Uses exact catalog identity IC660BBR101 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
IC660BBR101 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 IC660BBR101. Commissioning preserves the installed point map and verifies controlled field response.

TECHNICAL DATA

PARAMETER	VALUE
Relay outputs	16 normally open
Output grouping	Four isolated groups of four
Block power	93 to 132 VAC or 185 to 265 VAC
AC frequency	47 to 63 Hz
Maximum point current	2 A

PARAMETER	VALUE
Maximum common current	5 A
Maximum point load	124 VA
Operating temperature	0 to 60 degC
Storage temperature	-40 to 100 degC
Humidity	5 to 95%, non-condensing

RELATED GE PRODUCT PAGES

1GE IC693ALG442C

2GE IC693DNM200-BC

3GE DS3800NERA1P1D

4GE IS200SRTDH2ACB

5GE IS210AEDBH4A

6GE IC695CMX128

7GE IC693CPU363-DL

8GE IC200MDL940F

9GE IC660ERD024C1

TECHNICAL NOTE

Install IC660BBR101 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 16-circuit normally-open relay output block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBR101 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 IC660BBR101 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 IC660BBR101 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 IC660BBR101 identified?

Match the complete catalog number and the 16-circuit Normally-open Relay Output Block designation.

Q2 Which system accepts IC660BBR101?

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

Q3 What records are retained before removing IC660BBR101?

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

Q4 How is IC660BBR101 isolated safely?

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

Q5 Which official values govern IC660BBR101?

Relay outputs: 16 normally open; Output grouping: Four isolated groups of four; Block power: 93 to 132 VAC or 185 to 265 VAC; AC frequency: 47 to 63 Hz.

Q6 How is IC660BBR101 configuration restored?

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

Q7 Which diagnostics follow IC660BBR101 energization?

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

Q8 What releases IC660BBR101 to service?

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

RELATED APTER POWER PAGES

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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