

INDUSTRIAL AUTOMATION PRODUCT

IC660BBR101

16-circuit Normally-open Relay Output Block

GE IC660BBR101 is a 16-circuit Normally-open Relay Output 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	IC660BBR101
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 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.

System Role and Architecture

GE IC660BBR101 is a 16-circuit Normally-open Relay Output 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 16-circuit normally-open relay output block function

FUNCTION 2
Uses exact catalog identity IC660BBR101 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	16-circuit Normally-open Relay Output 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 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.

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Relay outputs	16 normally open	Maximum common current	5 A
Output grouping	Four isolated groups of four	Maximum point load	124 VA
Block power	93 to 132 VAC or 185 to 265 VAC	Operating temperature	0 to 60 degC
AC frequency	47 to 63 Hz	Storage temperature	-40 to 100 degC
Maximum point current	2 A	Humidity	5 to 95%, non-condensing

RELATED GE PRODUCT PAGES

1GE IC695CMX128

2GE IC693CPU363-DL

3GE IC200MDL940F

4GE IC660ERD024C1

5GE IC693ALG442C

6GE IC693DNM200-BC

7GE DS3800NERA1P1D

8GE IS200SRTDH2ACB

9GE IS210AEDBH4A

ENGINEERING BOUNDARY

Confirm IC660BBR101, 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 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.

Applications and Engineering Context

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC660BBR101 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 IC660BBR101, 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 IC695CMX128

View GE IC695CMX128 page

2

GE IC693CPU363-DL

View GE IC693CPU363-DL page

3

GE IC200MDL940F

View GE IC200MDL940F page

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GE IC660ERD024C1

View GE IC660ERD024C1 page

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GE IC693ALG442C

View GE IC693ALG442C page

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GE IC693DNM200-BC

View GE IC693DNM200-BC page

7

GE DS3800NERA1P1D

View GE DS3800NERA1P1D page

8

GE IS200SRTDH2ACB

View GE IS200SRTDH2ACB page

9

GE IS210AEDBH4A

View GE IS210AEDBH4A 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.