

INDUSTRIAL AUTOMATION PRODUCT

IC660BBS102

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

GE IC660BBS102 is a 115 VAC/125 VDC 8-circuit Isolated I/O Block with Diagnostics 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	IC660BBS102
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 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.

System Role and Architecture

GE IC660BBS102 is a 115 VAC/125 VDC 8-circuit Isolated I/O Block with Diagnostics for the GE Genius I/O. It provides the documented field interface or control function in the configured system.

FUNCTION 1
Provides the documented 115 vac/125 vdc 8-circuit isolated i/o block with diagnostics function

FUNCTION 2
Uses exact catalog identity IC660BBS102 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	115 VAC/125 VDC 8-circuit Isolated I/O Block with Diagnostics
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 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.

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Discrete circuits	8	Continuous group isolation	250 VAC/VDC
Circuit grouping	Four isolated pairs	Transient group isolation	2000 V for 10 seconds
Failed Switch diagnostic	Included	Heat dissipation	16.8 W inputs; 45.6 W outputs
Replaces	IC660BBS100	Selectable input filter	10 to 100 ms
Operating power	93 to 132 VAC or 105 to 132 VDC	Maximum output current	2 A
Block isolation	1500 V		

RELATED GE PRODUCT PAGES

1GE IS200EGDMH1AFG

2GE IS210TREA1A

3GE 0552N1QLG132A-06-V1-1

4GE IC600BF831K

5GE IC200CBL230B

6GE IC200MDD845

7GE IS2100WETBH1B

8GE IS215WEMAH1B

9GE IS210MACCH1A

ENGINEERING BOUNDARY

Confirm IC660BBS102, 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 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.

Applications and Engineering Context

GE Genius I/O station maintenance

Restores the documented 115 vac/125 vdc 8-circuit isolated i/o block with diagnostics function in an engineered station.

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC660BBS102 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 IC660BBS102, 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 IS200EGDMH1AFG

View GE IS200EGDMH1AFG page

2

GE IS210TREAHA1A

View GE IS210TREAHA1A page

3

GE 0552N1QLG132A-06-V1-1

View GE 0552N1QLG132A-06-V1-1 page

4

GE IC600BF831K

View GE IC600BF831K page

5

GE IC200CBL230B

View GE IC200CBL230B page

6

GE IC200MDD845

View GE IC200MDD845 page

7

GE IS2100WETBH1B

View GE IS2100WETBH1B page

8

GE IS215WEMAHA1B

View GE IS215WEMAHA1B page

9

GE IS210MACCH1A

View GE IS210MACCH1A 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.