

INDUSTRIAL AUTOMATION PRODUCT

IC660BBS100

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

GE IC660BBS100 is a 115 VAC/125 VDC 8-circuit Isolated I/O 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	IC660BBS100
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 IC660BBS100 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 IC660BBS100 is a 115 VAC/125 VDC 8-circuit Isolated I/O 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 115 vac/125 vdc 8-circuit isolated i/o block function

FUNCTION 2
Uses exact catalog identity IC660BBS100 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
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 IC660BBS100 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	Block isolation	1500 V
Circuit grouping	Four isolated pairs	Continuous group isolation	250 VAC/VDC
Failed Switch diagnostic	Included	Transient group isolation	2000 V for 10 seconds
Superseded by	IC660BBS102	Selectable input filter	10 to 100 ms
Operating power	93 to 132 VAC or 105 to 132 VDC	Maximum output current	2 A

RELATED GE PRODUCT PAGES

1GE IS200TDBSH2A

2GE IS210AEPG2BCB

3GE IS215UCVEM01A

4GE IS200STAIH2ACB-IS200STAIH1ABB

5GE DS200CTBAG1ACC

6GE DS200TBQGG1ABB

7GE DS200SLCCG3AGH

8GE DS200TCDAH1BHE

9GE DS200TBCBG1AAA

ENGINEERING BOUNDARY

Confirm IC660BBS100, 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 IC660BBS100 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 function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBS100 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 IC660BBS100 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	IC660BBS100 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 IC660BBS100, 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 IS200TDBSH2A

View GE IS200TDBSH2A page

2

GE IS210AEPG2BCB

View GE IS210AEPG2BCB page

3

GE IS215UCVEM01A

View GE IS215UCVEM01A page

4

GE IS200STAIH2ACB-IS200STAIH1ABB

View GE IS200STAIH2ACB-IS200STAIH1ABB page

5

GE DS200CTBAG1ACC

View GE DS200CTBAG1ACC page

6

GE DS200TBQGG1ABB

View GE DS200TBQGG1ABB page

7

GE DS200SLCCG3AGH

View GE DS200SLCCG3AGH page

8

GE DS200TCDAH1BHE

View GE DS200TCDAH1BHE page

9

GE DS200TBCBG1AAA

View GE DS200TBCBG1AAA 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.