

INDUSTRIAL AUTOMATION PRODUCT

IC660BBS103

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

GE IC660BBS103 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	IC660BBS103
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 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.

System Role and Architecture

GE IC660BBS103 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 IC660BBS103 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 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.

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	Omitted for parallel manual switches	Heat dissipation	16.8 W inputs; 45.6 W outputs
Replaces	IC660BBS101	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 IS200AEADH4A

2GE 151X1233DB02SA02

3GE IS215REBFH1B

4GE 151X1235BC01SA41

5GE IC695CPE310

6GE IS210AEBIH1BEA

7GE IS410JPDHG1A-IS400JPDHG1ABB

8GE IC694ALG221A

9GE IC694MDL645D

ENGINEERING BOUNDARY

Confirm IC660BBS103, 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 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.

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 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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC660BBS103 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 IC660BBS103, 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 IS200AEADH4A

View GE IS200AEADH4A page

2

GE 151X1233DB02SA02

View GE 151X1233DB02SA02 page

3

GE IS215REBFH1B

View GE IS215REBFH1B page

4

GE 151X1235BC01SA41

View GE 151X1235BC01SA41 page

5

GE IC695CPE310

View GE IC695CPE310 page

6

GE IS210AEBIH1BEA

View GE IS210AEBIH1BEA page

7

GE IS410JPDHG1A-IS400JPDHG1ABB

View GE IS410JPDHG1A-IS400JPDHG1ABB page

8

GE IC694ALG221A

View GE IC694ALG221A page

9

GE IC694MDL645D

View GE IC694MDL645D 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.