

INDUSTRIAL AUTOMATION PRODUCT

IC660BBD100

115 VAC 8-circuit Grouped I/O Block

GE IC660BBD100 is a 115 VAC 8-circuit Grouped 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	IC660BBD100
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 IC660BBD100 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 IC660BBD100 is a 115 VAC 8-circuit Grouped 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 8-circuit grouped i/o block function

FUNCTION 2
Uses exact catalog identity IC660BBD100 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 8-circuit Grouped 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 IC660BBD100 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	Low-load note	External resistance may be required below 50 mA
Nominal voltage	115 VAC	Replacement model	IC660BBD101
Maximum point current	2 A	Compatibility	IC660BBD101 is backward compatible
Maximum block current	15 A	Product status	Legacy Phase A grouped I/O block
Internal capacitor	0.2 uF		

RELATED GE PRODUCT PAGES

1GE MVTP31V1CB0751E

2GE DS215TCCAG1BZZ01

3GE IS210AEAAH2BJE

4GE IS200HSLAH1ADE

5GE IS210MVR AH2A-IS200MVR AH2AFC

6GE IS200BPPBH2CAA

7GE IS215PMVPH1AA-IS200MVREH1ABB

8GE IC693MDR390

9GE IC693CHS398

ENGINEERING BOUNDARY

Confirm IC660BBD100, 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 IC660BBD100 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 8-circuit grouped i/o block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBD100 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 IC660BBD100 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	IC660BBD100 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 IC660BBD100, 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 MVTP31V1CB0751E

View GE MVTP31V1CB0751E page

2

GE DS215TCCAG1BZZ01

View GE DS215TCCAG1BZZ01 page

3

GE IS210AEAAH2BJE

View GE IS210AEAAH2BJE page

4

GE IS200HSLAH1ADE

View GE IS200HSLAH1ADE page

5

GE IS210MVRAH2A-IS200MVRAH2AFC

View GE IS210MVRAH2A-IS200MVRAH2AFC page

6

GE IS200BPPBH2CAA

View GE IS200BPPBH2CAA page

7

GE IS215PMVPH1AA-IS200MVREH1ABB

View GE IS215PMVPH1AA-IS200MVREH1ABB page

8

GE IC693MDR390

View GE IC693MDR390 page

9

GE IC693CHS398

View GE IC693CHS398 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.