

INDUSTRIAL AUTOMATION PRODUCT

IC660BPM100

Genius PowerTRAC Block

GE IC660BPM100 is a Genius PowerTRAC 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	IC660BPM100
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 IC660BPM100 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 IC660BPM100 is a Genius PowerTRAC 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 genius powertrac block function

FUNCTION 2
Uses exact catalog identity IC660BPM100 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	Genius PowerTRAC 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 IC660BPM100 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
Measured quantities	Current, voltage, watts, VAR, power factor and watt-hours	Sampling	Eight cycles at sixteen samples per cycle
Voltage inputs	Three potential-transformer inputs	Data update	Twice per second
Current inputs	Three line CTs plus one neutral CT	PT ratio	1.0 to 2730
Voltage range	0 to 120 VAC	CT ratio	1 to 6550
Current range	0 to 5 A nominal	Neutral CT ratio	1 to 655
Input frequency	47 to 63 Hz		

RELATED GE PRODUCT PAGES

1GE IC694MDL645A

2GE IC693CMM321-KM

3GE IC693ALG391G

4GE MMLG02R1AA0001E

5GE IC695PSD040F

6GE 151X1225DF01PC03RA

7GE DS200DCFBG1BNC

8GE 8811-IO-DC

9GE DS200TCEAG1BSF

ENGINEERING BOUNDARY

Confirm IC660BPM100, 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 IC660BPM100 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 genius powertrac block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BPM100 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 IC660BPM100 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	IC660BPM100 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 IC660BPM100, 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 IC694MDL645A

View GE IC694MDL645A page

2

GE IC693CMM321-KM

View GE IC693CMM321-KM page

3

GE IC693ALG391G

View GE IC693ALG391G page

4

GE MMLG02R1AA0001E

View GE MMLG02R1AA0001E page

5

GE IC695PSD040F

View GE IC695PSD040F page

6

GE 151X1225DF01PC03RA

View GE 151X1225DF01PC03RA page

7

GE DS200DCFBG1BNC

View GE DS200DCFBG1BNC page

8

GE 8811-IO-DC

View GE 8811-IO-DC page

9

GE DS200TCEAG1BSF

View GE DS200TCEAG1BSF page

MANUFACTURER SOURCE RECORD

Genius PowerTRAC Block User's Manual | GE Fanuc GFK-0450D, May 1994

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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.