

IC660BPM100

Genius PowerTRAC Block

Official GE Genius I/O reference for the documented genius powertrac block.

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Genius I/O

PART

IC660BPM100

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

IC660BPM100 provides the documented genius powertrac block role for a matched GE Genius I/O installation.

-  Provides the documented genius powertrac block function
-  Uses exact catalog identity IC660BPM100 for replacement control
-  Integrates with the matched GE Genius I/O hardware
-  Supports controlled connection checks and functional verification

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
IC660BPM100 product block	Matched Genius bus controller
Documented field wiring	Approved host configuration

ENGINEERING CONTEXT

The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC660BPM100. Commissioning preserves the installed point map and verifies controlled field response.

TECHNICAL DATA

PARAMETER	VALUE
Measured quantities	Current, voltage, watts, VAR, power factor and watt-hours
Voltage inputs	Three potential-transformer inputs
Current inputs	Three line CTs plus one neutral CT
Voltage range	0 to 120 VAC
Current range	0 to 5 A nominal
Input frequency	47 to 63 Hz

PARAMETER	VALUE
Sampling	Eight cycles at sixteen samples per cycle
Data update	Twice per second
PT ratio	1.0 to 2730
CT ratio	1 to 6550
Neutral CT ratio	1 to 655

RELATED GE PRODUCT PAGES

1 GE IC695PSD040F

2 GE 151X1225DF01PC03RA

3 GE DS200DCFBG1BNC

4 GE 8811-IO-DC

5 GE DS200TCEAG1BSF

6 GE IC694MDL645A

7 GE IC693CMM321-KM

8 GE IC693ALG391G

9 GE MMLG02R1AA0001E

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

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.

5

Verify each documented value for IC660BPM100 against the installed host and field circuit.

6

Restore the approved terminal assembly, power grouping and configuration record.

7

Energize in the prescribed sequence and review module, bus and point diagnostics.

8

Complete a controlled signal or load test before returning the station to service.

ENGINEER FAQ

Q1 How is IC660BPM100 identified?

Match the complete catalog number and the Genius PowerTRAC Block designation.

Q2 Which system accepts IC660BPM100?

Use the documented GE Genius I/O carrier, terminal and bus arrangement.

Q3 What records are retained before removing IC660BPM100?

Record terminals, commons, shields, connectors, point mapping and diagnostics.

Q4 How is IC660BPM100 isolated safely?

Isolate station and field supplies, prove the safe state and apply ESD controls.

Q5 Which official values govern IC660BPM100?

Measured quantities: Current, voltage, watts, VAR, power factor and watt-hours; Voltage inputs: Three potential-transformer inputs; Current inputs: Three line CTs plus one neutral CT; Voltage range: 0 to 120

Q6 How is IC660BPM100 configuration restored?

Restore the approved hardware execution, power grouping and point map.

Q7 Which diagnostics follow IC660BPM100 energization?

Review module, bus and channel status in the prescribed startup sequence.

Q8 What releases IC660BPM100 to service?

A controlled signal or load test with the expected field response and no active diagnostic.

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

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com