

IC660BBA101

115 VAC/125 VDC RTD Input Block

Official GE Genius I/O reference for the documented 115 vac/125 vdc rtd input block.

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Genius I/O

PART

IC660BBA101

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

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PRODUCT OVERVIEW

IC660BBA101 provides the documented 115 vac/125 vdc rtd input block role for a matched GE Genius I/O installation.

-  Provides the documented 115 vac/125 vdc rtd input block function
-  Uses exact catalog identity IC660BBA101 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
IC660BBA101 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 IC660BBA101. Commissioning preserves the installed point map and verifies controlled field response.

TECHNICAL DATA

PARAMETER	VALUE
RTD inputs	6
Input grouping	Three isolated groups of two
Compatible sensors	Platinum, copper, nickel and linear RTDs
Block power	93 to 132 VAC or 105 to 145 VDC
AC frequency	47 to 63 Hz

PARAMETER	VALUE
DC ripple	10% maximum
Block isolation	1500 V
Group isolation	300 V
Heat dissipation	7 W maximum
Status indicators	Unit OK and I/O Enabled

RELATED GE PRODUCT PAGES

1GE IC670MDL331

2GE IC670MDL241

3GE IC670MDL240

4GE IC670MDL233

5GE IC670ALG621

6GE IC698CPE010

7GE IC697MEM715

8GE IC752SPL013

9GE IC670MDL330

TECHNICAL NOTE

Install IC660BBA101 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 115 vac/125 vdc rtd input block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBA101 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 IC660BBA101 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 IC660BBA101 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 IC660BBA101 identified?

Match the complete catalog number and the 115 VAC/125 VDC RTD Input Block designation.

Q2 Which system accepts IC660BBA101?

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

Q3 What records are retained before removing IC660BBA101?

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

Q4 How is IC660BBA101 isolated safely?

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

Q5 Which official values govern IC660BBA101?

RTD inputs: 6; Input grouping: Three isolated groups of two; Compatible sensors: Platinum, copper, nickel and linear RTDs; Block power: 93 to 132 VAC or 105 to 145 VDC.

Q6 How is IC660BBA101 configuration restored?

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

Q7 Which diagnostics follow IC660BBA101 energization?

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

Q8 What releases IC660BBA101 to service?

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

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SOURCE Genius I/O Discrete and Analog Blocks User's Manual | GE Fanuc GEK-90486D-2, September 1993

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