

IC660BBA106

115 VAC/125 VDC Current-source Analog Input Block

Official GE Genius I/O reference for the documented 115 vac/125 vdc current-source analog input block.

PRODUCT SNAPSHOT

BRAND
General Electric

FAMILY
GE Genius I/O

PART
IC660BBA106

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

IC660BBA106 provides the documented 115 vac/125 vdc current-source analog input block role for a matched GE Genius I/O installation.



Provides the documented 115 vac/125 vdc current-source analog input block function



Uses exact catalog identity IC660BBA106 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
IC660BBA106 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 IC660BBA106. Commissioning preserves the installed point map and verifies controlled field response.

TECHNICAL DATA

PARAMETER	VALUE
Analog inputs	6
Signal range	4 to 20 mA
Input grouping	Six isolated input circuits
Block power	93 to 132 VAC or 105 to 145 VDC
AC frequency	47 to 63 Hz
DC ripple	10% maximum

PARAMETER	VALUE
Block isolation	1500 V for one minute
Channel isolation	1500 V RMS
Heat dissipation	12 W maximum
BSM control	IC660BSM021
Status indicators	Unit OK and I/O Enabled

RELATED GE PRODUCT PAGES

1GE IC200MDL740

2GE IC693CHS397

3GE IC200MDL241

4GE IC697CMM742

5GE IC697CHS790

6GE IC693MDL741G

7GE IC670MDL640

8GE DS200SLCCG3AFG

9GE F31X134EPRBEG1-FR00-0

TECHNICAL NOTE

Install IC660BBA106 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 current-source analog input block function in an

Distributed I/O refurbishment

Uses exact IC660BBA106 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 IC660BBA106 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 IC660BBA106 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 IC660BBA106 identified?

Match the complete catalog number and the 115 VAC/125 VDC Current-source Analog Input Block designation.

Q2 Which system accepts IC660BBA106?

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

Q3 What records are retained before removing IC660BBA106?

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

Q4 How is IC660BBA106 isolated safely?

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

Q5 Which official values govern IC660BBA106?

Analog inputs: 6; Signal range: 4 to 20 mA; Input grouping: Six isolated input circuits; Block power: 93 to 132 VAC or 105 to 145 VDC.

Q6 How is IC660BBA106 configuration restored?

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

Q7 Which diagnostics follow IC660BBA106 energization?

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

Q8 What releases IC660BBA106 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

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