

IC660BBD120

Genius High-speed Counter Block

Official GE Genius I/O reference for the documented genius high-speed counter block.

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Genius I/O

PART

IC660BBD120

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

IC660BBD120 provides the documented genius high-speed counter block role for a matched GE Genius I/O installation.

-  Provides the documented genius high-speed counter block function
-  Uses exact catalog identity IC660BBD120 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
IC660BBD120 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 IC660BBD120. Commissioning preserves the installed point map and verifies controlled field response.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Counter inputs	12	Maximum count rate	200 kHz high range; 40 Hz low range
Counter outputs	4	Input impedance	4 kohm
Counter configurations	Four Type A, two Type B or one Type C	Logic supply	4.75 to 5.25 VDC, 200 mA
Input voltage	5 to 30 VDC	Output current	0.5 A per point; 2 A per block
Selectable input filters	2.5 us or 12.5 ms	Output inrush	3 A for 10 ms

RELATED GE PRODUCT PAGES

1

GE
IS200ECGIH1A-C2-A0IS200ECGIH1APR2

2

GE IC693CPU374-158503

3

GE IC695ALG312

4

GE IC695ALG508

5

GE IC693PTM101A

6

GE IS2020JPDCG1ACB

7

GE IS200EISBH1AAA

8

GE
WESDAC-D20ME-GE-HARRIS-820-0468-01

9

GE
IS200BPIBG1A-C2-A0IS200BPIBG1AEB

TECHNICAL NOTE

Install IC660BBD120 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 high-speed counter block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC660BBD120 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 IC660BBD120 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 IC660BBD120 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 IC660BBD120 identified?

Match the complete catalog number and the Genius High-speed Counter Block designation.

Q2 Which system accepts IC660BBD120?

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

Q3 What records are retained before removing IC660BBD120?

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

Q4 How is IC660BBD120 isolated safely?

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

Q5 Which official values govern IC660BBD120?

Counter inputs: 12; Counter outputs: 4; Counter configurations: Four Type A, two Type B or one Type C; Input voltage: 5 to 30 VDC.

Q6 How is IC660BBD120 configuration restored?

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

Q7 Which diagnostics follow IC660BBD120 energization?

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

Q8 What releases IC660BBD120 to service?

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

RELATED APTER POWER PAGES

- | | | |
|--|---|---|
| 1 GE
IS200ECGIH1A-C2-A0IS200ECGIH1APR2 | 2 GE IC693CPU374-158503 | 3 GE IC695ALG312 |
| 4 GE IC695ALG508 | 5 GE IC693PTM101A | 6 GE IS2020JPDCG1ACB |
| 7 GE IS200EISBH1AAA | 8 GE
WESDAC-D20ME-GE-HARRIS-820-0468-01 | 9 GE
IS200BPIBG1A-C2-A0IS200BPIBG1AEB |

SOURCE Genius High-speed Counter User's Manual | GE Fanuc GFK-0415E, May 1994

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