

IC660BBD120

Genius High-speed Counter Block

CONTROLLED ENGINEERING COPY

GE IC660BBD120 is a Genius High-speed Counter Block for the GE Genius I/O. It provides the documented field interface or control function in the configured system.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC660BBD120
Manufacturer	General Electric
System family	GE Genius I/O
Record scope	Installation, application and verification

1

2

3

4

5

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



01 PRE-INSTALLATION PLAN

- 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.

MATCHED HARDWARE

- GE IC660BBD120 with complete catalog identity
- Matched Genius bus controller and approved host
- Recorded terminal, cable and field-device schedule
- Approved grounding, shielding and protection hardware

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC660BBD120 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

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

RELATED GE PRODUCT PAGES

1

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

2

GE
IS200BPIBG1A-C2-A0IS200BPIBG1AEB

3

GE
IS200ECGIH1A-C2-A0IS200ECGIH1APR2

4

GE IC693CPU374-158503

5

GE IC695ALG312

6

GE IC695ALG508

7

GE IC693PTM101A

8

GE IS2020JPDCG1ACB

9

GE IS200EISBH1AAA

FIELD NOTE

Confirm IC660BBD120, the installed Genius bus position, terminal or connector identity, field wiring and configuration before energization.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC660BBD120
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

04 RETURN-TO-SERVICE RECORD

- ☐ Verify each documented value for IC660BBD120 against the installed host and field circuit.
- ☐ Restore the approved terminal assembly, power grouping and configuration record.
- ☐ Energize in the prescribed sequence and review module, bus and point diagnostics.
- ☐ Complete a controlled signal or load test before returning the station to service.

VERIFICATION RECORD

PRODUCT IDENTITY	IC660BBD120
INSTALLED POSITION	Documented GE Genius I/O bus position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Confirm the exact model remains assigned to the documented host position.
- ☐ Verify every mating interface and field connection against the as-found record.
- ☐ Exercise the intended product function under controlled conditions.
- ☐ Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

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