

# IC660BBD023

## 24 VDC 16-circuit Sink I/O Block

CONTROLLED ENGINEERING COPY

GE IC660BBD023 is a 24 VDC 16-circuit Sink I/O 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        | IC660BBD023                                |
| Manufacturer          | General Electric                           |
| System family         | GE Genius I/O                              |
| Record scope          | Installation, application and verification |

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# 01 PRE-INSTALLATION PLAN

- 1

Confirm the full IC660BBD023 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 IC660BBD023 against the installed host and field circuit.

## MATCHED HARDWARE

- GE IC660BBD023 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           | IC660BBD023 recorded            |
| Physical interface | Probe, cable and sensor matched |
| Functional proof   | Static gap and dynamic response |

## 02 WIRING & INTERFACE CHECKS

| CHECK ITEM        | REQUIRED VALUE                                     |
|-------------------|----------------------------------------------------|
| Discrete circuits | 16                                                 |
| Output logic      | Sink / current sinking                             |
| Operating voltage | 18 to 30 VDC                                       |
| Supply ripple     | 10% maximum                                        |
| Field devices     | Two-wire, three-wire and electromechanical sensors |
| Block isolation   | 1500 V                                             |
| Status indicators | Unit OK, I/O Enabled and individual circuit LEDs   |

### RELATED GE PRODUCT PAGES

1GE IC200PWR002G

2GE 31F323G1

3GE  
DS215TCCAG1BZZ01A-DS200TCCAG1BAA

4GE DS200TCCAG1AJB

5GE IS420UCSCH1A-G-V0-1-A

6GE XMTC-62-11-0

7GE IS200TREA1A

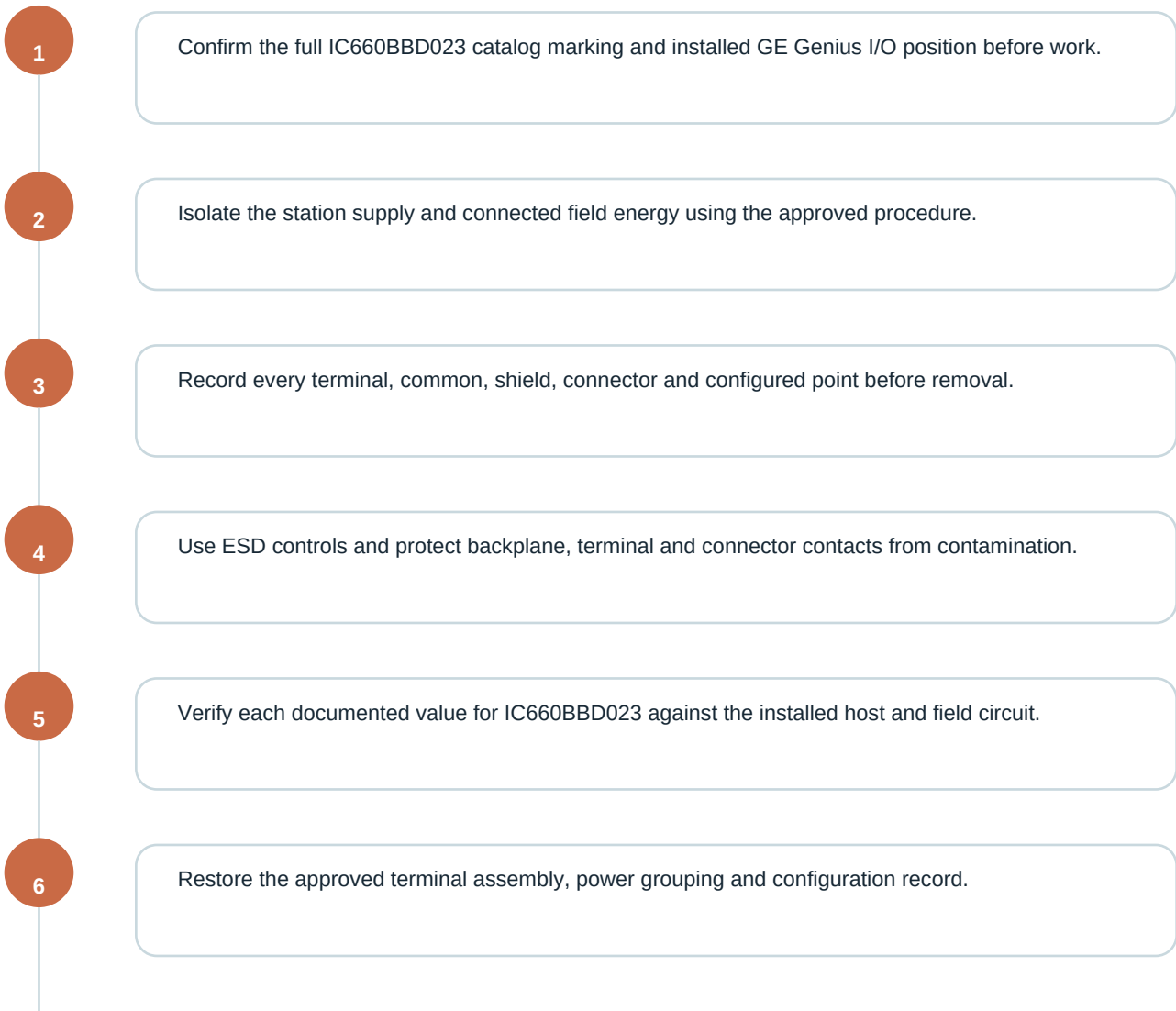
8GE UR9GH

9GE IC693ACC302B

### FIELD NOTE

Confirm IC660BBD023, 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           | IC660BBD023                                                               |
| 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 IC660BBD023 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    | IC660BBD023                                    |
| 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 I/O Discrete and Analog Blocks User's Manual | GE Fanuc GEK-90486D-2, September 1993