DI803 3BSE022362R1 field workflow

Identity, safe replacement and controlled acceptance

01 / Establish exact identity

Confirm the complete model, article identity where present, product family and recorded installed-system position.

02 / Capture the as-found state

Retain the recorded terminal assignment, field-voltage class and filter setting. Verify every channel independently before restoring the affected process function.

03 / Control the process

Place every affected field circuit and controlled process function in the approved maintenance state.

04 / Prove the restored function

Release the module only after all eight assigned points pass independent functional acceptance.

Before removal

Eight exact-model checks that form the maintenance hold point

CHECK 1	Confirm the complete DI803 3BSE022362R1 identity and S800 I/O station position.
CHECK 2	Place every affected field circuit and controlled process function in the approved maintenance state.
CHECK 3	Record all eight terminal assignments, signal voltages and configured filter values before removal.
CHECK 4	Treat each input as an individually isolated high-voltage field circuit and verify absence of energy.
CHECK 5	Do not substitute a nearby S800 input module based only on channel count or front appearance.
CHECK 6	Restore the documented 230 VAC or 220 VDC current-sinking wiring without mixing channel returns.
CHECK 7	Check channel LEDs and controller diagnostics with controlled input changes after installation.
CHECK 8	Release the module only after all eight assigned points pass independent functional acceptance.

Installation sequence

Restore the documented hardware, wiring and configuration boundaries

1. Inspect identity and condition

Check the exact model marking, connectors, terminals and service condition before the component enters the controlled installation area.

2. Match the installed position

Use the recorded rack, node, channel or machine position; do not infer suitability from a similar front label.

3. Restore field connections

Do not substitute a nearby S800 input module based only on channel count or front appearance.

4. Restore configuration

Restore the documented 230 VAC or 220 VDC current-sinking wiring without mixing channel returns.

5. Re-energize under control

Apply the approved plant sequence and compare initial module indications with the captured as-found record.

Commissioning and acceptance

Tests must follow the actual channel map and controlled process state

Identity	Installed model and article identity match the maintenance record.
Connections	All documented terminals, connectors and companion devices are restored.
Configuration	Recorded settings, ranges, filters or addresses are restored without borrowing nearby values.
Diagnostics	Module indication and controller diagnostics agree with the controlled test state.
Channel proof	Check channel LEDs and controller diagnostics with controlled input changes after installation.
Process proof	Release the module only after all eight assigned points pass independent functional acceptance.
Documentation	Final identity, test results and acceptance authority are retained with the work record.
Release	The affected system returns to service only after the approved acceptance hold point.

Service record and support

Manufacturer sources, verified related pages and direct contact

MANUFACTURER EVIDENCE BASIS

- ABB DI803 product page
- ABB S800 I/O hardware selector

External manufacturer URLs are intentionally omitted from this document.

VERIFIED RELATED ABB PRODUCT PAGES

01 **ABB BC810K01 3BSE031154R1**
Open verified ApterPower page

02 **ABB TB811 3BSE008568R1**
Open verified ApterPower page

03 **ABB CI857K01 3BSE018144R1**
Open verified ApterPower page

04 **ABB PM866K01 3BSE050198R1**
Open verified ApterPower page

05 **ABB CI854AK01 3BSE030220R1**
Open verified ApterPower page

06 **ABB CI830 3BSE013252R1**
Open verified ApterPower page

07 **ABB CI840A 3BSE041882R1**
Open verified ApterPower page

08 **ABB CI801 3BSE022366R1**
Open verified ApterPower page

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