

DI803 3BSE022362R1

Digital Input Module — complete exact-model product record

Product identity

ABB DI803 3BSE022362R1 is an eight-channel S800 I/O digital input module for 230 VAC or 220 VDC current-sinking field signals. Each channel is individually galvanically isolated and supports selectable input filtering.

Engineering boundary

DI803 provides eight individually isolated current-sinking inputs with channel status indication. Match the field voltage, filter selection and terminal assignment to the approved S800 I/O configuration before replacement.

CAPABILITY 1

Accepts eight current-sinking field inputs in one S800 I/O module.

CAPABILITY 2

Keeps every input channel galvanically isolated from the others.

CAPABILITY 3

Provides selectable filtering for 2, 4, 8 or 16 ms response behavior.

MANUFACTURER EVIDENCE BASIS

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

External manufacturer URLs are intentionally omitted from this document.

CAPABILITY 4

Uses channel indication and supervision for controlled commissioning checks.

Technical data matrix

Verified product parameters without trade or logistics data

Product family	S800 I/O / S800L
Function	Digital input module
Input channels	8
Field signal	230 VAC or 220 VDC, current sinking
Logic 1 range	164-264 VAC or 175-275 VDC
Logic 0 range	0-50 VAC or 0-40 VDC

Channel isolation	Individually galvanically isolated
Selectable filter	2, 4, 8 or 16 ms
AC frequency	47-63 Hz
Rated insulation voltage	250 V
Input impedance	30 kOhm AC; 134 kOhm DC
Status indication	Channel LEDs and voltage supervision

Data discipline

Only exact-model manufacturer-supported parameters are included. Trade, logistics, weight and dimensional fields are intentionally excluded.

Applications and workflow

Four engineering uses paired with field-control steps

High-voltage digital sensing

Receives documented 230 VAC or 220 VDC contact-state signals in an S800 I/O station.

Individually isolated inputs

Separates the eight input channels to preserve the intended field-circuit boundaries.

Selectable response filtering

Applies the configured 2, 4, 8 or 16 ms filter to match the approved signal behavior.

Channel service verification

Uses input indication and controller diagnostics to prove each restored field point.

Exact identification

Confirm the complete DI803 3BSE022362R1 identity and S800 I/O station position.

Maintenance state

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

Configuration capture

Record all eight terminal assignments, signal voltages and configured filter values before removal.

Independent acceptance

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

Questions and precautions

Model-specific support topics and release controls

How many input channels does ABB DI803 3BSE022362R1 provide?

DI803 provides eight digital input channels.

PRECAUTION 1

Confirm the complete DI803 3BSE022362R1 identity and S800 I/O station position.

PRECAUTION 2

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

Which field signals are specified for ABB DI803 3BSE022362R1?

It is specified for 230 VAC or 220 VDC current-sinking digital input service.

PRECAUTION 3

Record all eight terminal assignments, signal voltages and configured filter values before removal.

PRECAUTION 4

Treat each input as an individually isolated high-voltage field circuit and verify absence of energy.

Are the channels on ABB DI803 3BSE022362R1 isolated?

Yes. Each of the eight channels is individually galvanically isolated.

PRECAUTION 5

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

PRECAUTION 6

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

Which input filters can ABB DI803 3BSE022362R1 use?

The selectable input-filter values are 2, 4, 8 and 16 ms.

PRECAUTION 7

Check channel LEDs and controller diagnostics with controlled input changes after installation.

PRECAUTION 8

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

Sources, related products and contact

A traceable handoff for engineering review and procurement support

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

MANUFACTURER EVIDENCE BASIS

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

External manufacturer URLs are intentionally omitted from this document.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



DI803 3BSE022362R1