ABB MODEL-SPECIFIC PRODUCT

3BSE008512R1-DI820

3BSE008512R1-DI820 is an ABB S800 digital input module with eight individually isolated channels. Match the field voltage, terminal unit and channel supervision configuration before replacement.

PRODUCT FAMILY	PRODUCT TYPE
S800 I/O	**S800 Digital Input Module**

Exact model configuration

CONFIGURATION FIELD	DECODED VALUE
Displayed model	**3BSE008512R1-DI820**
Manufacturer	**ABB**
Product family	**S800 I/O**
Product type	**S800 Digital Input Module**
Input channels	**8, individually isolated**
Rated signal	**120 V AC / 110 V DC**
Logic 1 input range	**77-130 V AC / 75-145 V DC**

Application fit

- Use the exact DI820 article for the documented AC/DC digital-input application.
- Check the installed MTU and keying code AB before fitting the module.
- Review channels 1 and 8 if used for field-supply supervision.

PRODUCT-SPECIFIC REFERENCE	INSTALLATION NOTE
8, individually isolated 120 V AC / 110 V DC 77-130 V AC / 75-145 V DC	Select digital filtering at 2, 4, 8 or 16 ms as required by the approved I/O configuration. Do not treat DI820 as a redundant or high-integrity input module.

MODEL-SPECIFIC ENGINEERING REFERENCE

Before ordering 3BSE008512R1-DI820

Use this page as a controlled procurement checklist. It does not replace the manufacturer datasheet, installation instructions or approval certificate.

Ordering limits and selected values

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Manufacturer	**ABB**
Product family	**S800 I/O**
Product type	**S800 Digital Input Module**
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Rated signal	**120 V AC / 110 V DC**
Logic 1 input range	**77-130 V AC / 75-145 V DC**

Procurement checklist

- Confirm the complete ordering code 3BSE008512R1-DI820 and readable nameplate before shipment.
- Confirm the product family and product type against the installed item.
- Confirm recorded electrical ratings, interfaces, dimensions and configuration options.
- Confirm compatibility with the complete automation or power system.
- Confirm approval markings and certificate scope for the installation location.

DIRECT SALES INQUIRY

Send the full model **3BSE008512R1-DI820**, quantity, delivery country, and a clear nameplate or installation photo.

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Source and document status

Technical basis	ABB 800xA Hardware Selector, DI820, article 3BSE008512R1; reviewed 3 September 2026.
Publisher	Moore Automation - independent industrial automation supplier.
Document status	Independent product manual; not a manufacturer-issued datasheet, conformity certificate or calibration certificate.
Important	Verify availability, revision status, compatibility, nameplate data and regulatory requirements before ordering.