

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB AI880A 3BSE039293R1

AI880A 3BSE039293R1 Evidence-Bounded Product Information Manual

ABB S800 I/O high-integrity analog input module

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB AI880A 3BSE039293R1
Reference number	3BSE039293R1
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/ai880a>
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Workflow and system context

ABB AI880A 3BSE039293R1 is an evidence-bounded S800 I/O high-integrity analog input module in the ABB installed-base context. System role: It acquires eight single-ended 0/4–20 mA analog input channels for S800 I/O applications, including redundant and high-integrity configurations.

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|----|---|
| 01 | System Inputs: It acquires eight single-ended 0/4–20 mA analog input channels for S800 I/O applications, including redundant and high-integrity configurations. |
| 02 | Processing: The module uses group-isolated inputs with a common ground and 250-ohm input shunts; terminal-unit and redundancy design must match the exact S800 I/O configuration. |

Published context and boundaries

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|----|---|
| 01 | Verify the complete ABB AI880A 3BSE039293R1 nameplate, revision and installed-system documentation before use. |
| 02 | Keep AI880A distinct from other S800 analog input modules; do not transfer channel, isolation, SIL or terminal-unit data from siblings. |
| 03 | Current formal lifecycle phase, origin, HS code, dimensions and logistics weight remain HOLD without exact ABB evidence. |

Verification and release checks

01	Verify the complete ABB AI880A 3BSE039293R1 nameplate, revision and installed-system documentation before use.
02	Keep AI880A distinct from other S800 analog input modules; do not transfer channel, isolation, SIL or terminal-unit data from siblings.
03	De-energize and follow the site's approved electrical and process-safety procedure before disturbing hardware or field wiring.
04	Back up controller, network, I/O, addressing and configuration data before replacement or firmware work.
05	Verify every companion module, termination unit, cable, connector and power source from approved drawings.
06	Do not copy electrical, communication, mechanical or lifecycle values from a related model or successor.

Identity and release controls

Verification Status	Verified Exact Product Id
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Official ABB sources

ABB Compact Product Suite Hardware Selector – AI880A	https://compacthardwareselector.automation.abb.com/product/ai880a
ABB AI880A product data sheet	https://compacthardwareselector.automation.abb.com/pdf/download/f0605409-9e3f-4d51-bcd7-6c5146891220?ts=638846432702878466