

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB SPASI23

SPASI23 Evidence-Bounded Product Information Manual

ABB SPASI23 Isolated 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 SPASI23
Reference number	SPASI23
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/spasi23>
Apter Power contact

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Workflow and system context

ABB SPASI23 is a Symphony Plus Harmony rack isolated analog input module with 16 independently configured channels. Each channel has dedicated 24-bit conversion architecture.

01	Input Classes: 4-20 mA current; High-level DC voltage within the documented ranges; Millivolt; Thermocouple; Three-wire RTD
02	Processing: Dedicated 24-bit conversion per channel; Input processing and automatic calibration; Gain and offset handling; Engineering-unit conversion; Lead-wire resistance adjustment; Cold-junction compensation
03	Held Claims: Do not claim HART unless an exact SPASI23 ABB source is produced.; Do not infer certification, enclosure rating, weight, or dimensions from A116e/A116ev.; Do not represent mixed channel capability as permission to connect incompatible signals without engineering.

Published context and boundaries

01	Lifecycle evidence boundary: CURRENT_OR_RECENT_CATALOG_PRESENCE_VERIFIED_FORMAL_PHASE_HOLD
02	Identify the exact SPASI23 assembly, revision, and manufacturing date from the nameplate before configuration or replacement.
03	Check the ABB field alert for the 2011-05-31 through 2015-06-30 production window and verify J18/FPGA status on the actual unit.

Verification and release checks

01	Identify the exact SPASI23 assembly, revision, and manufacturing date from the nameplate before configuration or replacement.
02	Check the ABB field alert for the 2011-05-31 through 2015-06-30 production window and verify J18/FPGA status on the actual unit.
03	Back up all channel types, ranges, scaling, calibration, alarm, and function-code settings before work begins.
04	Confirm module power budget, especially when replacing SPASI03 or SPASI13, because ABB documents minor replacement changes.
05	Verify termination unit, cable, polarity, isolation, grounding, shielding, and sensor wiring against the exact ABB instruction and project drawings.
06	Use ABB electrostatic-discharge controls and approved powered-equipment service practices; maintain process safeguards during any online work.

Identity and release controls

Verification Status	OFFICIAL_IDENTITY_VERIFIED
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Official ABB sources

SPASI23 Analog Input Module Instruction	https://search.abb.com/library/Download.aspx?DocumentID=2VAA001604&LanguageCode=en&DocumentPartId=&Action=Launch
Symphony Plus Product Catalog, Revision E	https://library.e.abb.com/public/fa6c9b92blef4d9cba4acd211ba01e5b/2VAA005340%20en%20E%20Symphony%20Plus%20Product%20Catalog.pdf.pdf
Symphony Plus Product Catalog, Revision G	https://library.e.abb.com/public/67f6b20f64d0443da36258e62a597791/2VAA005340%20en%20G%20Symphony%20Plus%20Product%20Catalog.pdf
Symphony Plus Life Cycle Updates / ASI23 Field Alert	https://library.e.abb.com/public/0e820d314f9e491380a1bfbf0e7073d1/04_Symphony%20Plus%20life%20cycle%20updates-Jim%20Day.pdf
ABB Symphony Plus Hardware Selector – AI16ev	https://symphonyplushardwareselector.automation.abb.com/product/ai16ev