

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMASI23

IMASI23 Evidence-Bounded Product Information Manual

ABB IMASI23 Harmony rack 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 IMASI23
Reference number	IMASI23
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/ABB-Bailey-Infi-90-and-Net-90/Infi-90/imasi23>
Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

Workflow and system context

ABB IMASI23 is a Harmony rack analog input module identified in ABB rack I/O documentation for mixed process-signal acquisition. The module provides as many as 16 independently handled input channels.

01	Input Classes: 4–20 mA current; 0–5 VDC, 1–5 VDC, and 0–10 VDC; millivolt; thermocouple; RTD
02	Processing: Channel isolation; Analog-to-digital conversion; Input processing and calibration; Engineering-unit conversion; Cold-junction compensation for applicable thermocouple use; Lead-wire resistance adjustment for applicable RTD use
03	Held Claims: Do not infer HART support.; Do not publish a channel update time unless verified for exact IMASI23 hardware.; Do not transplant current AI16e or AI16ev power, size, or certification data to IMASI23.

Published context and boundaries

01	Lifecycle evidence boundary: FORMAL_ABB_LIFECYCLE_PHASE_HOLD
02	Verify the exact IMASI23 nameplate, assembly revision, and installed date before replacement or configuration work.
03	Check ABB field-alert applicability for modules manufactured from 2011-05-31 through 2015-06-30, including J18 and FPGA revision guidance, rather than assuming every unit is affected.

Verification and release checks

01	Verify the exact IMASI23 nameplate, assembly revision, and installed date before replacement or configuration work.
02	Check ABB field-alert applicability for modules manufactured from 2011-05-31 through 2015-06-30, including J18 and FPGA revision guidance, rather than assuming every unit is affected.
03	Back up controller configuration, function codes, channel types, ranges, calibration data, and alarm settings before disturbing the module.
04	Confirm the installed termination unit, cable, rack slot, expander-bus address, and controller compatibility from site drawings and the exact ABB instruction.
05	Observe ABB electrostatic-discharge and powered-equipment service procedures; hot-removal capability does not eliminate process or personnel risk.
06	Verify loop polarity, isolation, grounding, shielding, sensor type, and excitation or transmitter power before connection.

Identity and release controls

Verification Status	OFFICIAL_IDENTITY_VERIFIED
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Official ABB sources

Harmony Rack I/O Product Overview	https://library.e.abb.com/public/429d55ddf7c18f3ec1256c95006f67bc/WBPEEUS240011B1_-_en_Harmony_Rack_I_O_Product_Overview.pdf
SPASI23 Analog Input Module Instruction	https://search.abb.com/library/Download.aspx?DocumentID=2VAA001604&LanguageCode=en&DocumentPartId=&Action=Launch
Symphony Plus Product Catalog, Revision G	https://library.e.abb.com/public/67f6b20f64d0443da36258e62a597791/2VAA005340%20en%20G%20Symphony%20Plus%20Product%20Catalog.pdf
ABB Symphony Plus Hardware Selector – AII6ev	https://symphonyplushardwareselector.automation.abb.com/product/aii6ev
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 Repair-a-thon Qualifying Repairs List	https://library.e.abb.com/public/a3b4957be8ab48d98f29473a85a2f0d6/ABB%20Repair-a-thon%20qualifying%20repairs%20list.pdf