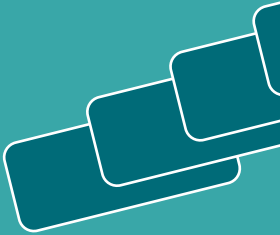


MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMDSI02

IMDSI02 Evidence-Bounded Product Information Manual

ABB IMDSI02 16-channel digital 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 IMDSI02
Reference number	IMDSI02
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/imdsi02>
Apter Power contact

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Workflow and system context

ABB IMDSI02 is a legacy sixteen-channel digital input module used in the INFI 90 and Harmony Rack installed-base evolution path. The module receives discrete field states and presents them to the control system for status monitoring, permissives, alarms, and interlock logic.

- | | |
|----|---|
| 01 | System Inputs: Sixteen discrete inputs in the officially documented 24 VDC, 125 VDC, or 120 VAC classes. |
| 02 | Processing: Optically isolated discrete-state acquisition; exact thresholds, filtering, timing, and function-code assignment remain HOLD. |

Published context and boundaries

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|----|--|
| 01 | Do not merge IMDSI02 with IMDSI22; the latter is a distinct model and a known Apter record ID 855791. |
| 02 | Do not import 48 VDC, SOE timing, function-code, threshold, power, or temperature data from IMDSI12/13/14/15/22 or SPDSI22. |
| 03 | Exact termination unit and cable part numbers remain HOLD until an ABB-hosted exact IMDSI02 instruction or approved project documentation is obtained. |

Verification and release checks

01	Verify the full IMDSI02 nameplate and revision; do not substitute IMDSI22 or SPDSI22 data.
02	Confirm every channel's field voltage is one of the exact classes documented for IMDSI02.
03	Keep channels 7/8 on the same voltage source and channels 15/16 on the same voltage source because each pair shares a termination-unit common.
04	Confirm the exact termination unit, cable, commons, polarity, shielding, and field-source segregation from approved drawings.
05	De-energize and apply the site electrical-safety procedure before disturbing field wiring; do not assume hot removal is safe.
06	Back up I/O addressing, controller configuration, alarm logic, and interlock mapping before replacement or migration.

Identity and release controls

Verification Status	Verified Exact Model Core Identity And Evolution Mapping
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Official ABB sources

ABB Harmony evolution mapping presentation	https://library.e.abb.com/public/68e694fd1f5743ba949fbae1859ee3ac/02%20ABB%20Users%20Group%20Anchorage%20Harmony.pdf
ABB Harmony Rack I/O Product Overview WBPEEUS240011B1	https://library.e.abb.com/public/429d55ddf7c18f3ec1256c95006f67bc/WBPEEUS240011B1_-_en_Harmony_Rack_I_O_Product_Overview.pdf