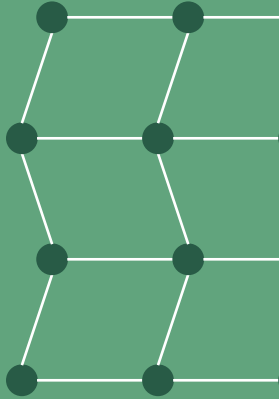


MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMDSI22

IMDSI22 Universal Input Voltage and Migration Verification Guide

ABB IMDSI22 Legacy 16-Channel Universal 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 IMDSI22
Reference number	IMDSI22
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/imdsi22>
Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

Field contact, selected AC/DC voltage class, IMDSI22 input point, and controller state

ABB IMDSI22 is a legacy universal digital input module for Bailey INFI 90 and Harmony Rack installed-base systems. The module acquires discrete field states for controller logic, alarm, permissive, status, and sequence processing.

01	System Inputs: Sixteen field contact/status signals in the documented 24 VDC, 48 VDC, 125 VDC, or 120 VAC classes.
02	Processing: Converts field on/off conditions to controller-visible discrete states; exact thresholds and filtering remain HOLD.
03	Outputs: Digital status values to the installed controller over the rack I/O architecture.
04	Communications: Harmony Rack I/O architecture; no unsupported Ethernet or fieldbus role is assigned.
05	Boundary: IMDSI22 senses discrete inputs; it is not a digital output module, relay module, or termination unit.

Sixteen legacy digital inputs with held thresholds and explicit successor-data boundaries

01	Verification Status: VERIFIED_EXACT_MODEL_FUNCTION_CHANNELS_AND_INPUT_CLASSES
02	Exact Mapping: ABB identifies IMDSI22 as a universal 16-channel digital input module for 24 VDC, 48 VDC, 125 VDC, and 120 VAC signals, with SPDSI22 as the HR replacement.
03	Lifecycle Status: HOLD – ABB documents SPDSI22 as the HR replacement and DI06e as a current one-to-one mapping platform for DSI22, but no exact current formal IMDSI22 lifecycle phase was found

Nameplate, voltage class, wiring segregation, termination, polarity, point sense, alarms, and interlocks

01	Identify the exact input voltage class on every channel before connecting field power.
02	Do not mix AC and DC field wiring or voltage classes without the exact ABB/project-approved arrangement.
03	Back up point assignments, inversion, alarm sense, filtering, sequence logic, and revision records.
04	Verify termination unit, cable, dipshunt, polarity, commons, slot, and address from approved drawings.
05	Follow ABB and site isolation, ESD, insertion/removal, and commissioning procedures.
06	Simulate every used input and confirm controller indication, alarm, interlock, and fail-state behavior.

Identity and release controls

Verification Status	VERIFIED_EXACT_MODEL_FUNCTION_CHANNELS_AND_INPUT_CLASSES
---------------------	--

Official ABB sources

ABB Harmony Rack I/O Product Overview	https://library.e.abb.com/public/429d55ddf7c18f3ec1256c95006f67bc/WBPPEUS240011B1_-_en_Harmony_Rack_I_O_Product_Overview.pdf
ABB Harmony lifecycle and evolution presentation	https://library.e.abb.com/public/68e694fd1f5743ba949fbae1859ee3ac/02%20ABB%20Users%20Group%20Anchororage%20Harmony.pdf
ABB Ability Symphony Plus Product Catalog Rev G	https://library.e.abb.com/public/67f6b20f64d0443da36258e62a597791/2VAA005340%20en%20G%20Symphony%20Plus%20Product%20Catalog.pdf