APTER POWER
INDUSTRIAL AUTOMATION

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB SPDSM04

SPDSM04 Evidence-Bounded Product Information Manual

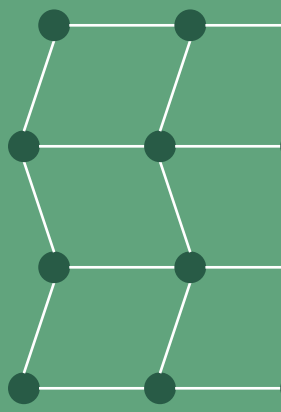

ABB SPDSM04 Eight-channel pulse input module for a Symphony Plus controller

DOCUMENT SCOPE

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

Product / lookup identity	ABB SPDSM04
Reference number	SPDSM04
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

Product page

https://www.apterpower.com/ABB/spdsm04

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Workflow and system context

ABB SPDSM04 is an HR Series pulse input module for an ABB Ability Symphony Plus controller. Each channel can be programmed for a 5 VDC contact input, a 24 VDC contact input, or a 50 mV peak-to-peak to 10 V peak-to-peak pre-amplifier signal.

01	Up to eight isolated pulse inputs configured for 5 VDC contact, 24 VDC contact, or 50 mVpp-10 Vpp pre-amplifier signals.
02	Period, frequency, totalize, or duration, depending on the configured function.
03	50 kHz maximum at 50% duty cycle.
04	Processes pulse measurements for a Symphony Plus controller; exact function-code numbers and configuration procedure remain HOLD.

Published context and boundaries

01	Do not merge SPDSM04 with IMDSM04; IMDSM04 is a distinct Apter record ID 774468.
02	Do not merge SPDSM04 with IMDSM05 or NDSM05; those are different digital I/O identities.
03	Do not transplant the legacy IMDSM04 channel count or function-code numbers to SPDSM04; use the exact SPDSM04 catalog values only.

Verification and release checks

01	Verify the full SPDSM04 nameplate and revision; do not substitute IMDSM04, IMDSM05, or NDSM05 data.
02	Configure each channel for the actual 5 VDC contact, 24 VDC contact, or pre-amplifier signal class.
03	Keep the input within the documented voltage, current, logic-level, frequency, and duty-cycle boundaries.
04	Verify the operating mode and exact project function configuration before applying period, frequency, totalize, or duration data.
05	Confirm the exact termination unit, cable, jumpers, field supply, shielding, and grounding from the current ABB instruction and project drawings.
06	Do not infer exact termination-unit or cable part numbers from third-party manuals or a legacy IMDSM04 installation.

Identity and release controls

Verification Status	Verified Exact Model And Current Catalog Technical Data

Official ABB sources

ABB Ability Symphony Plus Product Catalog 2VAA005340	https://library.e.abb.com/public/95e1ecbadffd429e9cd7c975bd915cbb/2VAA005340%20en%20D%20Symphony%20Plus%20Product%20Catalog.pdf
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