

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMDSM04

IMDSM04 Product Information Manual

ABB INFI 90 digital pulse 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 IMDSM04
Reference number	IMDSM04
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/imdsm04>
Apter Power contact

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Workflow and system context

ABB IMDSM04 is an evidence-bounded INFI 90 digital pulse input module in the Bailey INFI 90 / Harmony Rack installed-base context. System role: It acquires pulse signals for totalization, frequency-count and pulse-count functions in the installed INFI 90 rack architecture.

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|----|---|
| 01 | System Inputs: It acquires pulse signals for totalization, frequency-count and pulse-count functions in the installed INFI 90 rack architecture. |
| 02 | Processing: ABB maps IMDSM04 toward SPDSM04 and later pulse-input hardware as an evolution path. That relationship is a migration boundary, not a same-hardware alias or drop-in instruction. |

Published context and boundaries

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|----|---|
| 01 | Verify the complete ABB IMDSM04 nameplate, revision and installed-system documentation before use. |
| 02 | Keep IMDSM04 distinct from IMDSM05, SPDSM04 and IMDSI/IMDSO models; do not transfer SPDSM04 channel count, voltage ranges or termination data to IMDSM04 without the exact instruction. |
| 03 | Current formal lifecycle phase, origin, HS code, dimensions and logistics weight remain HOLD without exact ABB evidence. |

Verification and release checks

01	Verify the complete ABB IMDSM04 nameplate, revision and installed-system documentation before use.
02	Keep IMDSM04 distinct from IMDSM05, SPDSM04 and IMDSI/IMDSO models; do not transfer SPDSM04 channel count, voltage ranges or termination data to IMDSM04 without the exact instruction.
03	De-energize and follow the site's approved electrical and process-safety procedure before disturbing hardware or field wiring.
04	Back up controller, network, I/O, addressing and configuration data before replacement or firmware work.
05	Verify every companion module, termination unit, cable, connector and power source from approved drawings.
06	Do not copy electrical, communication, mechanical or lifecycle values from a related model or successor.

Identity and release controls

Verification Status	Verified Exact Model Update Existing
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Official ABB sources

ABB Harmony I/O evolution mapping	https://library.e.abb.com/public/68e694fd1f5743ba949fbae1859ee3ac/02%20ABB%20Users%20Group%20Anchorage%20Harmony.pdf
ABB official spare-parts brochure	https://library.e.abb.com/public/ce7ff1c4bdac451085597330b9fba063/9AKK107046A2102%20C%20Triple%20play%20brochure.pdf