

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB DAI05

Product Reference

ABB DAI05 Official-Source Product Reference

DOCUMENT SCOPE

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

Product / lookup identity	ABB DAI05
Reference number	DAI05
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/dai05>

Apter Power contact

sales13@apterpower.com | +86 180 3023 5313



Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

ABB DAI05 is an evidence-bounded sixteen-channel 4-20 mA analog input module. System role: DAI05 acquires sixteen 4-20 mA process-current signals in the legacy Freelance rack I/O architecture. System context: ABB DAI05 Official-Source Product Reference.

Published field	Manufacturer-published value or verified identity note
Channels	16 analog inputs
Input	4-20 mA
Conversion	12 bit; 5 microampere nominal step
Input resistance	250 ohm
Exact cable and termination	Verify installed drawings
Verification Status	Verified Exact Dai05

System function and signal path

01	System Inputs: DAI05 acquires sixteen 4-20 mA process-current signals in the legacy Freelance rack I/O architecture.
02	Processing: The official certificate lists a nominal 5 microampere conversion step and 250 ohm input resistance.



Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for ABB DAI05.

2 Freelance rack documentation: Provides a source-traceable boundary for the documented controller, I/O or link-module role.

3 Commissioning review: Guides identity, companion-hardware, cable, wiring and controlled functional checks before return to service.

4 Migration assessment: Separates exact-model facts from sibling modules, later remote I/O and modern controller platforms.

Frequently asked questions

What is ABB DAI05?	It is an evidence-bounded sixteen-channel 4–20 mA analog input module; this page is limited to the cited ABB official-source boundary.
Is the exact identity verified?	Verified Exact Dai05.
What is its documented role?	DAI05 acquires sixteen 4–20 mA process-current signals in the legacy Freelance rack I/O architecture.
Is it interchangeable with a related model?	No. Related DAI, DAO, DDI, DDO, DCP, DLM and S900 labels are not automatic substitutes.
Must the physical nameplate be checked?	Yes. Verify the full model, legacy part number, firmware or revision and rack documentation.
Can family specifications be copied to this exact item?	No. Family context is not permission to publish unverified exact-item parameters.

Official ABB sources

ABB Contrans I Instruction Manual	https://library.e.abb.com/public/0b75e6b8d4cb8c83c1257b0c00547a70/30_17_104EN.pdf
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