

MANUFACTURER-SOURCE TECHNICAL REFERENCE

# ABB DAI01

## Product Reference

ABB DAI01 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 DAI01                                                         |
| Reference number          | DAI01                                                             |
| Document basis            | Published ABB product records, PDFs, and manuals listed on page 3 |



### Product page

<https://www.apterpower.com/ABB/dai01>  
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## Product role and published parameters

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

ABB DAI01 is an evidence-bounded sixteen-channel analog current input module. System role: DAI01 acquires sixteen analog current signals in the legacy Freelance rack I/O architecture. System context: ABB DAI01 Official-Source Product Reference.

| Published field            | Manufacturer-published value or verified identity note |
|----------------------------|--------------------------------------------------------|
| Channels                   | 16 analog inputs                                       |
| Input                      | 0/4-20 mA                                              |
| Conversion                 | 12 bit; 5.5 microampere nominal step                   |
| Input resistance           | 50 ohm                                                 |
| System cables              | 0336333 and 0336334                                    |
| Exact rack and termination | Verify installed drawings                              |
| Verification Status        | Verified Exact Dai01                                   |

## System function and signal path

|    |                                                                                                                                                       |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | System Inputs: DAI01 acquires sixteen analog current signals in the legacy Freelance rack I/O architecture.                                           |
| 02 | Processing: ABB documents 50 ohm input resistance, nominal 5.5 microampere resolution and dedicated analogue-input system cables 0336333 and 0336334. |



## Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for ABB DAI01.

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 DAI01?                                      | It is an evidence-bounded sixteen-channel analog current input module; this page is limited to the cited ABB official-source boundary. |
| Is the exact identity verified?                         | Verified Exact Dai01.                                                                                                                  |
| What is its documented role?                            | DAI01 acquires sixteen analog 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.                                                      |