

APTER POWER PRODUCT MANUAL

6ES7134-6HD01-0BA1

SIMATIC ET 200SP AI 4xU/I Standard Module

The Siemens 6ES7134-6HD01-0BA1 is a SIMATIC ET 200SP standard analog input module with four two-wire voltage or current channels, 16-bit conversion, module diagnostics, and +/-0.3% accuracy.

It samples four configured voltage or current field signals and delivers digital process values and module diagnostics to the ET 200SP controller or interface module. It uses a compatible BaseUnit type A0 or A1 and supports transducers, signal conditioners, and process instruments in distributed machine and plant measurement systems.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Four configurable voltage or current channels in one ET 200SP slice.

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SCAN FOR PRODUCT & QUOTE
6ES7134-6HD01-0BA1

1. Product Overview and Identity

The Siemens 6ES7134-6HD01-0BA1 is a SIMATIC ET 200SP standard analog input module with four two-wire voltage or current channels, 16-bit conversion, module diagnostics, and +/-0.3% accuracy.

It samples four configured voltage or current field signals and delivers digital process values and module diagnostics to the ET 200SP controller or interface module. It uses a compatible BaseUnit type A0 or A1 and supports transducers, signal conditioners, and process instruments in distributed machine and plant measurement systems.

Model Configuration

Field	Verified information
Complete model	6ES7134-6HD01-0BA1
Manufacturer	Siemens
Product description	SIMATIC ET 200SP AI 4xU/I Standard Module

Key Features

- Exact Siemens MLFB 6ES7134-6HD01-0BA1
- SIMATIC ET 200SP AI 4xU/I Standard Module
- 4 voltage/current channels
- 2-wire
- Model-specific lifecycle, weight, dimensions, and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	ET 200SP AI 4xU/I 2-wire Standard
Analog inputs	4 voltage/current channels
Connection	2-wire
Resolution	16 bit
Accuracy	+/-0.3%
Diagnostics	Module diagnostics
BaseUnit compatibility	Type A0 or A1
Color code	CC03
Siemens net weight	0.039 kg
Siemens packaging dimensions	6.8 x 7.7 x 2.4 cm
Country of origin	Germany
Lifecycle	PM300 active product

Verification Note

Use the complete 6ES7134-6HD01-0BA1 identifier. Siemens lists 6ES7134-6HD01-0BA1 as a PM300 active product. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- It samples four configured voltage or current field signals and delivers digital process values and module diagnostics to the ET 200SP controller or interface module. It uses a compatible BaseUnit type A0 or A1 and supports transducers, signal conditioners, and process instruments in distributed machine and plant measurement systems.
- Maintains the documented SIMATIC ET 200SP distributed I/O role for this complete Siemens article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

Application Areas

Application	System role
Mixed analog acquisition	Combines voltage and current measurements in one four-channel module
Machine transducers	Reads conditioned pressure, force, position, or speed signals
Process instrumentation	Acquires standard transmitter outputs near field equipment
Distributed monitoring	Returns scaled analog values and diagnostics through ET 200SP

Compatible Components

- SIMATIC ET 200SP interface or CPU station configured for this module
- ET 200SP BaseUnit type A0 or A1 with color code CC03
- Two-wire voltage or current signals within the selected Siemens measuring range
- TIA Portal channel configuration, shield termination, and potential group matching the installation

Lifecycle Status

Siemens lists 6ES7134-6HD01-0BA1 as a PM300 active product.

4. Installation Precautions

- Channel range: Configure every input for its exact voltage or current signal type
- BaseUnit: Verify A0/A1 compatibility, CC03 coding, terminals, and potential group
- Common reference: Follow Siemens guidance for two-wire connections and analog reference potential
- EMC: Terminate shields correctly and route low-level analog wiring away from interference
- Commissioning: Compare raw and scaled values with a traceable signal source before release

STOP - Verify before installation

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Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens Industry Mall product record for 6ES7134-6HD01-0BA1:

<https://mall.industry.siemens.com/mall/en/en/Catalog/Product/6ES7134-6HD01-0BA1>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7134-6hd01-0ba1>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.