

APTER POWER PRODUCT MANUAL

6ES7134-6GD01-0BA1

SIMATIC ET 200SP AI 4xI Standard Module

The Siemens 6ES7134-6GD01-0BA1 is a SIMATIC ET 200SP standard analog input module with four current-input channels for two- or four-wire transmitters, 16-bit conversion, module diagnostics, and +/-0.3% accuracy.

It converts four analog current signals from connected field transmitters into digital process values for the ET 200SP station and its controller. It mounts on a compatible BaseUnit type A0 or A1 and supports instrumentation loops used for pressure, flow, level, temperature-transmitter, and other process measurements.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Four current loops translated into 16-bit ET 200SP process data.

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6ES7134-6GD01-0BA1

1. Product Overview and Identity

The Siemens 6ES7134-6GD01-0BA1 is a SIMATIC ET 200SP standard analog input module with four current-input channels for two- or four-wire transmitters, 16-bit conversion, module diagnostics, and +/-0.3% accuracy.

It converts four analog current signals from connected field transmitters into digital process values for the ET 200SP station and its controller. It mounts on a compatible BaseUnit type A0 or A1 and supports instrumentation loops used for pressure, flow, level, temperature-transmitter, and other process measurements.

Model Configuration

Field	Verified information
Complete model	6ES7134-6GD01-0BA1
Manufacturer	Siemens
Product description	SIMATIC ET 200SP AI 4xI Standard Module

Key Features

- Exact Siemens MLFB 6ES7134-6GD01-0BA1
- SIMATIC ET 200SP AI 4xI Standard Module
- 4 current-input channels
- 2-wire or 4-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 4xI 2-/4-wire Standard
Analog inputs	4 current-input channels
Transmitter connection	2-wire or 4-wire
Resolution	16 bit
Accuracy	+/-0.3%
Diagnostics	Module diagnostics
BaseUnit compatibility	Type A0 or A1
Color code	CC03
Siemens net weight	0.040 kg
Siemens packaging dimensions	6.8 x 7.9 x 2.7 cm
Country of origin	Germany
Lifecycle	PM300 active product

Verification Note

Use the complete 6ES7134-6GD01-0BA1 identifier. Siemens lists 6ES7134-6GD01-0BA1 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 converts four analog current signals from connected field transmitters into digital process values for the ET 200SP station and its controller. It mounts on a compatible BaseUnit type A0 or A1 and supports instrumentation loops used for pressure, flow, level, temperature-transmitter, and other process measurements.
- 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
Process current loops	Acquires analog transmitter currents for controller processing
Pressure and flow measurement	Digitizes signals from approved field transmitters
Level and temperature systems	Feeds scaled process values into the automation program
Distributed machine I/O	Places four analog current channels close to sensors and actuators

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- or four-wire current transmitters within the Siemens input ranges
- Shielding, grounding, field supply, and TIA Portal configuration specified for the loop

Lifecycle Status

Siemens lists 6ES7134-6GD01-0BA1 as a PM300 active product.

4. Installation Precautions

- BaseUnit: Verify type A0 or A1, CC03 coding, terminal assignment, and potential group
- Signal mode: Configure each channel for the exact two- or four-wire transmitter circuit
- Loop power: Confirm field-supply polarity, current range, grounding, and transmitter requirements
- EMC: Apply Siemens shield termination and separate analog wiring from switching conductors
- Commissioning: Validate raw values, scaling, diagnostics, and open-circuit behavior channel by channel

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 6ES7134-6GD01-0BA1:

<https://mall.industry.siemens.com/mall/en/oeii/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7134-6GD01-0BA1>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7134-6gd01-0ba1>

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.