

APTER POWER PRODUCT MANUAL

6ES7288-3AE08-0AA0

SIMATIC S7-200 SMART SM AI08 Analog Input Module

The Siemens 6ES7288-3AE08-0AA0 is an S7-200 SMART SM AI08 analog input module with eight channels. It converts standard voltage or current process signals into digital values for control, monitoring, and calculation in the S7-200 SMART CPU.

It is suited to compact machines and process skids that acquire multiple transmitter, sensor, or setpoint signals without adding separate signal converters.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

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Eight Analog Channels. One SMART Measurement Point.

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SCAN FOR PRODUCT & QUOTE
6ES7288-3AE08-0AA0

1. Product Overview and Identity

The Siemens 6ES7288-3AE08-0AA0 is an S7-200 SMART SM AI08 analog input module with eight channels. It converts standard voltage or current process signals into digital values for control, monitoring, and calculation in the S7-200 SMART CPU.

It is suited to compact machines and process skids that acquire multiple transmitter, sensor, or setpoint signals without adding separate signal converters.

Model Configuration

Field	Verified information
Complete model	6ES7288-3AE08-0AA0
Manufacturer	Siemens
Product description	SIMATIC S7-200 SMART SM AI08 Analog Input Module

Key Features

- Exact 6ES7288-3AE08-0AA0 identity retained
- Manufacturer-source data separated from unconfirmed values
- SM AI08
- System context: SIMATIC S7-200 SMART
- Model-specific lifecycle 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
Module	SM AI08
Analog inputs	8
Voltage ranges	0 to 10 V; 0 to 5 V; +/-5 V; +/-2.5 V
Current ranges	0 to 20 mA or 4 to 20 mA
Conversion resolution	11 bit plus sign / 12-bit ADC
Net weight	Approx. 0.235 kg
Lifecycle	PM300 active product

Verification Note

Use the complete 6ES7288-3AE08-0AA0 identifier. Siemens lists 6ES7288-3AE08-0AA0 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 is suited to compact machines and process skids that acquire multiple transmitter, sensor, or setpoint signals without adding separate signal converters.
- Maintains the documented SIMATIC S7-200 SMART system role for this exact article number.
- Provides an exact reference for engineering, maintenance, and quotation review.

Application Areas

Application	System role
Compact process skids	Acquire pressure, flow, level, or temperature transmitters.
Machine monitoring	Read analog sensors and operator setpoints.
Utilities automation	Concentrate eight standard analog inputs in one module.

Compatible Components

- SIMATIC S7-200 SMART CPU and expansion bus
- Voltage or current transmitters wired for one selected channel range
- Engineering configuration that matches channel signal types and scaling

Lifecycle Status

Siemens lists 6ES7288-3AE08-0AA0 as a PM300 active product.

4. Installation Precautions

- Select the correct voltage or current range for every channel
- Keep analog cables separated from switching conductors
- Apply Siemens grounding and shielding practice
- Scale raw values in the CPU project
- Verify transmitter loop power before connection

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 and technical data for 6ES7288-3AE08-0AA0.

Apter Power product page

<https://www.apterpower.com/Siemens/6ES7288-3AE08-0AA0>

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.

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