

APTER POWER PRODUCT MANUAL

6ES7288-3AM03-0AA0

SIMATIC S7-200 SMART EM AM03 Analog I/O Module

The Siemens 6ES7288-3AM03-0AA0 is a SIMATIC S7-200 SMART EM AM03 Analog I/O Module that provides two analog inputs and one analog output in one 45 mm module.

In an S7-200 SMART automation station, it acquires two analog process signals and returns one analog command signal through a single expansion module. It works with the exact CPU, expansion-bus or signal-board interface, wiring, field devices, and project configuration specified for the complete article number. It is applied in small closed-loop skids, single-axis drive references, dosing systems, and compact process machines.

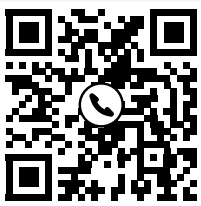
|              |                                    |
|--------------|------------------------------------|
| Manufacturer | Siemens                            |
| Prepared by  | Apter Power                        |
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| Revision     | R1                                 |
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6ES7288-3AM03-0AA0

# 1. Product Overview and Identity

The Siemens 6ES7288-3AM03-0AA0 is a SIMATIC S7-200 SMART EM AM03 Analog I/O Module that provides two analog inputs and one analog output in one 45 mm module.

In an S7-200 SMART automation station, it acquires two analog process signals and returns one analog command signal through a single expansion module. It works with the exact CPU, expansion-bus or signal-board interface, wiring, field devices, and project configuration specified for the complete article number. It is applied in small closed-loop skids, single-axis drive references, dosing systems, and compact process machines.

## Model Configuration

| Field               | Verified information                           |
|---------------------|------------------------------------------------|
| Complete model      | 6ES7288-3AM03-0AA0                             |
| Manufacturer        | Siemens                                        |
| Product description | SIMATIC S7-200 SMART EM AM03 Analog I/O Module |

## Key Features

- Exact Siemens MLFB 6ES7288-3AM03-0AA0
- SIMATIC S7-200 SMART EM AM03 Analog I/O Module
- 2 analog inputs and 1 analog output
- 24 V DC; 20.4 to 28.8 V DC
- 45 x 100 x 81 mm
- 0.172 kg approximate device weight

## 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              | SIMATIC S7-200 SMART EM AM03 Analog I/O Module                                                                                                     |
| Complete article number   | 6ES7288-3AM03-0AA0                                                                                                                                 |
| System                    | SIMATIC S7-200 SMART                                                                                                                               |
| Primary function          | two analog inputs and one analog output in one 45 mm module                                                                                        |
| Signal configuration      | 2 analog inputs and 1 analog output                                                                                                                |
| Supply / host interface   | 24 V DC; 20.4 to 28.8 V DC                                                                                                                         |
| Product type designation  | EM AM03, AI 2 channels / AQ 1 channel                                                                                                              |
| Analog inputs             | 2                                                                                                                                                  |
| Analog outputs            | 1                                                                                                                                                  |
| Input signal modes        | Voltage or current, as configured in Siemens documentation                                                                                         |
| Output signal modes       | Voltage or current, as configured in Siemens documentation                                                                                         |
| Power loss                | 1.1 W                                                                                                                                              |
| Degree of protection      | IP20                                                                                                                                               |
| Device dimensions         | 45 x 100 x 81 mm (W x H x D)                                                                                                                       |
| Approximate device weight | 0.172 kg                                                                                                                                           |
| Country of origin         | Germany                                                                                                                                            |
| Lifecycle                 | The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation. |

### Verification Note

Use the complete 6ES7288-3AM03-0AA0 identifier. The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation. Values not published in the cited Siemens sources are intentionally not inferred.

## 3. Functions, Applications and Components

### Core Functions

- Acquires two analog process signals and returns one analog command signal through a single expansion module.
- Maintains the documented EM AM03 function for the complete 6ES7288-3AM03-0AA0 article number.
- Provides a model-specific basis for wiring, configuration, commissioning, diagnostics, and replacement verification.

### Application Areas

| Application                 | System role                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| Closed-loop control         | Acquires process feedback and returns analog commands through one module                                     |
| Skid instrumentation        | Combines transmitter inputs with valve or drive references                                                   |
| Multi-variable coordination | Supports small closed-loop skids, single-axis drive references, dosing systems, and compact process machines |
| Panel-density improvement   | Reduces separate analog input/output module count where the channel total fits                               |

### Compatible Components

- S7-200 SMART or ET 200 SMART configuration that explicitly supports 6ES7288-3AM03-0AA0
- Expansion-bus connection, removable terminal blocks, DIN rail, and panel clearances specified by Siemens
- Shielded analog sensor or actuator cabling with documented grounding and reference conductors
- Field transmitters, sensors, loads, and power supplies matched to every published signal range and channel limit

### Lifecycle Status

The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation.

## 4. Installation Precautions

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- Identity: Match every character of 6ES7288-3AM03-0AA0 and the EM AM03 marking to the physical nameplate and project
- Host and power: Verify 24 V DC; 20.4 to 28.8 V DC; isolate all energy sources before insertion, removal, or wiring
- Signals: Configure every channel for the documented signal type and range; observe polarity, reference, load, and diagnostic limits
- Cabling: Follow Siemens terminal, shielding, grounding, separation, and maximum cable-length instructions
- Commissioning: Verify addresses and scaling, energize one circuit group at a time, test fail-safe behavior, and record results

STOP - Verify before installation

Use the complete 6ES7288-3AM03-0AA0 identifier. The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation. Values not published in the cited Siemens sources are intentionally not inferred.

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

## 5. Official Source and Use Notice

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### Official source

Siemens official technical data sheet or product record for 6ES7288-3AM03-0AA0: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7288-3AM03-0AA0>; Siemens official system manual used for model-specific installation and compatibility context: [https://support.industry.siemens.com/cs/attachm/109963390/SIMATIC\\_ET\\_200\\_SMART\\_IM60\\_System\\_Manual\\_en-US.pdf](https://support.industry.siemens.com/cs/attachm/109963390/SIMATIC_ET_200_SMART_IM60_System_Manual_en-US.pdf)

### Apter Power product page

<https://www.apterpower.com/Siemens/6es7288-3am03-0aa0>

### 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.

### ASK FOR QUOTE

For availability and quotation details, visit [www.apterpower.com](http://www.apterpower.com) or contact [sales13@apterpower.com](mailto:sales13@apterpower.com).