

APTER POWER PRODUCT MANUAL

6ES7288-3AQ04-0AA0

SIMATIC S7-200 SMART EM AQ04 Analog Output Module

The Siemens 6ES7288-3AQ04-0AA0 is a SIMATIC S7-200 SMART EM AQ04 Analog Output Module that provides four analog output channels for +/-10 V or 4 to 20 mA commands.

In an S7-200 SMART automation station, it converts four controller output values into standard voltage or current command signals. 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 variable-speed drive references, control valves, actuators, and external analog indicators.

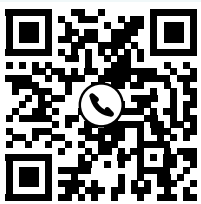
Manufacturer	Siemens
Prepared by	Apter Power
Document ID	AP-SIE-02-6ES7288-3AQ04-0AA0-PM-R1
Revision	R1
Issue date	2026-08-19

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Four analog commands. Voltage or current. Direct process coordination.

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SCAN FOR PRODUCT & QUOTE
6ES7288-3AQ04-0AA0

1. Product Overview and Identity

The Siemens 6ES7288-3AQ04-0AA0 is a SIMATIC S7-200 SMART EM AQ04 Analog Output Module that provides four analog output channels for +/-10 V or 4 to 20 mA commands.

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Model Configuration

Field	Verified information
Complete model	6ES7288-3AQ04-0AA0
Manufacturer	Siemens
Product description	SIMATIC S7-200 SMART EM AQ04 Analog Output Module

Key Features

- Exact Siemens MLFB 6ES7288-3AQ04-0AA0
- SIMATIC S7-200 SMART EM AQ04 Analog Output Module
- 4 analog outputs for voltage or current
- 24 V DC; 20.4 to 28.8 V DC
- 45 x 100 x 81 mm
- 0.1705 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 AQ04 Analog Output Module
Complete article number	6ES7288-3AQ04-0AA0
System	SIMATIC S7-200 SMART
Primary function	four analog output channels for +/-10 V or 4 to 20 mA commands
Signal configuration	4 analog outputs for voltage or current
Supply / host interface	24 V DC; 20.4 to 28.8 V DC
Product type designation	EM AQ04, AQ 4x11 bit
Analog outputs	4
Voltage output range	-10 V to +10 V
Current output range	4 to 20 mA
Maximum resolution	11 bit
Typical current consumption	103 mA maximum from 24 V DC
Power loss	2.7 W
Degree of protection	IP20
Device dimensions	45 x 100 x 81 mm (W x H x D)
Approximate device weight	0.1705 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 6ES7288-3AQ04-0AA0 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

- Converts four controller output values into standard voltage or current command signals.
- Maintains the documented EM AQ04 function for the complete 6ES7288-3AQ04-0AA0 article number.
- Provides a model-specific basis for wiring, configuration, commissioning, diagnostics, and replacement verification.

Application Areas

Application	System role
Analog actuator command	Generates 4 analog outputs for voltage or current from PLC output values
Drive and valve reference	Provides configured voltage or current commands to compatible field devices
Setpoint transmission	Supports variable-speed drive references, control valves, actuators, and external analog indicators with documented load and signal limits
Compact panel expansion	Adds analog command capability while preserving exact MLFB verification

Compatible Components

- S7-200 SMART or ET 200 SMART configuration that explicitly supports 6ES7288-3AQ04-0AA0
- 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

- Identity: Match every character of 6ES7288-3AQ04-0AA0 and the EM AQ04 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 6ES7288-3AQ04-0AA0 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

Official source

Siemens official technical data sheet or product record for 6ES7288-3AQ04-0AA0: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7288-3AQ04-0AA0>; 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

Apter Power product page

<https://www.apterpower.com/Siemens/6es7288-3aq04-0aa0>

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