

APTER POWER PRODUCT MANUAL

6ES7288-3AQ02-0AA0

SIMATIC S7-200 SMART SM AQ02 Analog Output Module

The Siemens 6ES7288-3AQ02-0AA0 is an S7-200 SMART SM AQ02 analog output module with two channels. It converts PLC command values into standard voltage or current signals for actuators, drives, valves, and external indicators.

Each channel can be engineered for a supported output type so the compact controller can regulate two continuous field devices from the automation program.

Manufacturer	Siemens
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Two Precise Outputs for Valves, Drives, and Process Commands.

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SCAN FOR PRODUCT & QUOTE
6ES7288-3AQ02-0AA0

1. Product Overview and Identity

The Siemens 6ES7288-3AQ02-0AA0 is an S7-200 SMART SM AQ02 analog output module with two channels. It converts PLC command values into standard voltage or current signals for actuators, drives, valves, and external indicators.

Each channel can be engineered for a supported output type so the compact controller can regulate two continuous field devices from the automation program.

Model Configuration

Field	Verified information
Complete model	6ES7288-3AQ02-0AA0
Manufacturer	Siemens
Product description	SIMATIC S7-200 SMART SM AQ02 Analog Output Module

Key Features

- Exact 6ES7288-3AQ02-0AA0 identity retained
- Manufacturer-source data separated from unconfirmed values
- SM AQ02
- 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 AQ02
Analog outputs	2
Voltage output	+/-10 V, 11-bit
Current output	4 to 20 mA, 10-bit
Supply	24 V DC; 20.4 to 28.8 V
Voltage load	Minimum 1 kohm
Current load	Maximum 500 ohm
Protection	IP20
Dimensions	45 x 100 x 81 mm

Verification Note

Use the complete 6ES7288-3AQ02-0AA0 identifier. Siemens lists 6ES7288-3AQ02-0AA0 as an active S7-200 SMART module. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- Each channel can be engineered for a supported output type so the compact controller can regulate two continuous field devices from the automation program.
- 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
Valve and actuator control	Issue continuous 4 to 20 mA commands.
Drive speed reference	Provide a signed voltage setpoint where supported.
Machine process control	Generate two independently scaled analog outputs.

Compatible Components

- SIMATIC S7-200 SMART CPU and expansion bus
- Valves, drives, and instruments accepting a documented output range
- 24 V DC module supply and field wiring designed to Siemens limits

Lifecycle Status

Siemens lists 6ES7288-3AQ02-0AA0 as an active S7-200 SMART module.

4. Installation Precautions

- Configure voltage or current mode before connecting the load
- Respect minimum and maximum load resistance
- Separate analog wiring from power switching cables
- Verify scaling and safe fallback values
- Test each channel with the actuator isolated where possible

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 technical data for 6ES7288-3AQ02-0AA0.

Apter Power product page

<https://www.apterpower.com/Siemens/6ES7288-3AQ02-0AA0>

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 or contact sales13@apterpower.com.