

APTER POWER PRODUCT MANUAL

6ES7288-7DP01-0AA0

SIMATIC S7-200 SMART EM DP01 PROFIBUS DP Slave Module

The Siemens 6ES7288-7DP01-0AA0 is a SIMATIC S7-200 SMART EM DP01 PROFIBUS DP Slave Module that adds one PROFIBUS DP slave interface to a supported S7-200 SMART configuration.

In a correctly engineered SIMATIC S7-200 SMART installation, it exchanges configured cyclic process data with a PROFIBUS DP master through one RS-485 PROFIBUS DP/MPI port. It works with the exact host hardware, power, wiring, field devices, firmware, and project configuration published for this complete article number. It is applied in machine cells that integrate an S7-200 SMART station as a PROFIBUS DP slave.

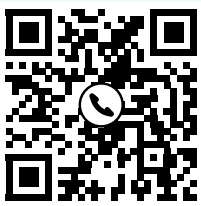
Manufacturer	Siemens
Prepared by	Apter Power
Document ID	AP-SIE-01-6ES7288-7DP01-0AA0-PM-R1
Revision	R1
Issue date	2026-08-20

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

**One PROFIBUS link. Exact slave identity.
Controlled S7-200 SMART integration.**

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SCAN FOR PRODUCT & QUOTE
6ES7288-7DP01-0AA0

1. Product Overview and Identity

The Siemens 6ES7288-7DP01-0AA0 is a SIMATIC S7-200 SMART EM DP01 PROFIBUS DP Slave Module that adds one PROFIBUS DP slave interface to a supported S7-200 SMART configuration.

In a correctly engineered SIMATIC S7-200 SMART installation, it exchanges configured cyclic process data with a PROFIBUS DP master through one RS-485 PROFIBUS DP/MPI port. It works with the exact host hardware, power, wiring, field devices, firmware, and project configuration published for this complete article number. It is applied in machine cells that integrate an S7-200 SMART station as a PROFIBUS DP slave.

Model Configuration

Field	Verified information
Complete model	6ES7288-7DP01-0AA0
Manufacturer	Siemens
Product description	SIMATIC S7-200 SMART EM DP01 PROFIBUS DP Slave Module

Key Features

- Exact Siemens article number 6ES7288-7DP01-0AA0
- SIMATIC S7-200 SMART EM DP01 PROFIBUS DP Slave Module
- 1 PROFIBUS DP/MPI RS-485 interface
- 24 V DC; 20.4 to 28.8 V DC
- 45 x 100 x 81 mm
- 0.1762 kg approximate published 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 DP01 PROFIBUS DP Slave Module
Complete article number	6ES7288-7DP01-0AA0
System	SIMATIC S7-200 SMART
Primary function	adds one PROFIBUS DP slave interface to a supported S7-200 SMART configuration
Interface / form	1 PROFIBUS DP/MPI RS-485 interface
Supply / host interface	24 V DC; 20.4 to 28.8 V DC
Product type designation	EM DP01, PROFIBUS DP slave module
PROFIBUS interface	1 RS-485
Supported baud rates	9.6 kbit/s to 12 Mbit/s
Typical current consumption	15 mA
Maximum current consumption	30 mA
Typical power loss	2.5 W
Industrial Ethernet interfaces	0
Dimensions / length	45 x 100 x 81 mm
Approximate net weight	0.1762 kg
Country of origin	Germany
Lifecycle	A current Siemens technical data sheet is available for the complete article number. Confirm the regional product lifecycle and delivery status in Siemens SiePortal when quoting.

Verification Note

Use the complete 6ES7288-7DP01-0AA0 identifier. A current Siemens technical data sheet is available for the complete article number. Confirm the regional product lifecycle and delivery status in Siemens SiePortal when quoting. Values not published in the cited Siemens sources are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- Exchanges configured cyclic process data with a PROFIBUS DP master through one RS-485 PROFIBUS DP/MPI port.
- Maintains the documented EM DP01 PROFIBUS DP Slave Module role for the complete 6ES7288-7DP01-0AA0 article number.
- Provides a model-specific basis for engineering, wiring, commissioning, diagnostics, and replacement verification.

Application Areas

Application	System role
PROFIBUS DP slave station	Connects a supported S7-200 SMART station to a DP master as one engineered slave
Cyclic process-data exchange	Transfers configured input and output bytes across the PROFIBUS network
Legacy line integration	Adds a documented PROFIBUS path where Ethernet-only communication is not the required interface
Machine-cell coordination	Supports machine cells that integrate an S7-200 SMART station as a PROFIBUS DP slave after address, GSD, baud-rate, and bus engineering are verified

Compatible Components

- S7-200 SMART CPU explicitly listed by Siemens as supporting the EM DP01
- PROFIBUS DP master, Siemens GSD configuration, and station address matched to the project
- PROFIBUS RS-485 cable, connectors, shielding, grounding, and active end termination
- 24 V DC Class 2 or limited-power supply within 20.4 to 28.8 V DC

Lifecycle Status

A current Siemens technical data sheet is available for the complete article number. Confirm the regional product lifecycle and delivery status in Siemens SiePortal when quoting.

4. Installation Precautions

- Confirm the complete 6ES7288-7DP01-0AA0 article number and EM DP01 marking before wiring or configuration.
- De-energize the station, then verify 24 V DC polarity and the published 20.4 to 28.8 V DC range.
- Use PROFIBUS cable, shielding, connector pinout, network address, baud rate, GSD file, and termination exactly as engineered.
- Terminate only the physical ends of the PROFIBUS segment and keep the station connector accessible for diagnostics.
- Commission one data area at a time, verify byte mapping and fail-state behavior, and record the tested DP-master configuration.

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 official technical data sheet: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7288-7DP01-0AA0>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7288-7dp01-0aa0>

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.