MOORE AUTOMATION TECHNICAL DATA SHEET

6ES7288-7DP01-0AA0

Siemens SIMATIC S7-200 SMART EM DP01 PROFIBUS DP Slave Module

Exact article	6ES7288-7DP01-0AA0	Product family	SIMATIC S7-200 SMART

ROLE	INTERFACE	DATA RATE	LIFECYCLE
PROFIBUS DP slave	1 x DP/MPI	9.6 kbit/s-12 Mbit/s	Active Product

Verified technical characteristics

PARAMETER	ARTICLE-SPECIFIC VALUE
Article number	6ES7288-7DP01-0AA0
Product designation	EM DP01
System family	SIMATIC S7-200 SMART
Network role	PROFIBUS DP slave
Interface count	1 PROFIBUS-DP/MPI interface
Data-rate range	9.6 kbit/s to 12 Mbit/s
Connector	9-pin D-sub
Power terminal	24 V DC at X80
Approximate packaged net weight	0.226 kg
Current Siemens lifecycle	Active Product

IMPORTANT This sheet is tied to the exact Siemens article number. Confirm the supplied hardware version, firmware, electrical ratings and current manufacturer documentation before installation.

APPLICATION AND COMMISSIONING GUIDE

Engineering checks for 6ES7288-7DP01-0AA0

Application-fit matrix

APPLICATION CONTEXT	ENGINEERING FIT
S7-200 SMART as a DP slave	Connects a compatible S7-200 SMART station to a PROFIBUS DP master-controlled automation network.
Legacy PROFIBUS integration	Supports machine sections that must exchange cyclic data with an established DP infrastructure.
Distributed machine cells	Provides a defined slave interface where the local controller executes logic and the higher-level master coordinates data.
Retrofit communications	Useful when an existing DP network is retained and the slave configuration is verified against the master project.

Six-point verification workflow

01 **Match article identity**

Confirm the complete order number 6ES7288-7DP01-0AA0 on the supplied nameplate.

02 **Check electrical design**

Verify supply, input, output and interface ratings against the actual panel wiring.

03 **Confirm system compatibility**

Match the SIMATIC S7-200 SMART hardware, firmware, accessories and engineering project.

04 **Inspect installation conditions**

Check terminal assignment, grounding, cable routing, ventilation and environmental limits.

05 **Commission with evidence**

Record supply measurements, diagnostics, I/O tests, communication status and the validated project backup.

06 **Approve replacement**

Release the unit only after the application owner confirms functional and safety checks.

Article-specific engineering notes

Slave-only planning

Design the network around the module role stated by Siemens: PROFIBUS DP slave, not an independent DP master.

Connector and address checks

Verify the 9-pin D-sub wiring, station address, cable termination and 24 V supply before commissioning.

SOURCE BASIS Prepared by Moore Automation from the article-specific records identified as Siemens SiePortal product page, Siemens S7-200 SMART System Manual. This independent technical sheet is not a Siemens-issued manual and does not replace current manufacturer instructions for installation, wiring, safety or certification.

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