SIEMENS PRODUCT REFERENCE

6ES7288-7DP01-0AA0

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

SIMATIC S7-200 SMART PROFIBUS DP slave module with one PROFIBUS-DP/MPI interface and an official data-rate range from 9.6 kbit/s to 12 Mbit/s.

Configuration at a glance

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

Technical data for the exact article

SPECIFICATION	VERIFIED ARTICLE DATA
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

Application guidance

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.

Engineering verification 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.

Questions engineers commonly ask

Is 6ES7288-7DP01-0AA0 a PROFIBUS master or slave?

Siemens identifies the EM DP01 as a PROFIBUS DP slave module. The connected DP master must be provided and configured elsewhere in the network.

What communication rate can the EM DP01 use?

The official product listing covers the PROFIBUS range from 9.6 kbit/s up to 12 Mbit/s. The configured rate must match the master and the network design.

Which physical connector is used for PROFIBUS on this module?

The S7-200 SMART system manual shows a 9-pin D-sub interface. Use an industrial PROFIBUS connector and cable arrangement suitable for the selected topology.

Can the DP01 be connected to an MPI-only project without review?

No automatic compatibility should be assumed. Although Siemens labels the interface PROFIBUS-DP/MPI, the intended protocol role, master configuration and supported operating mode must be verified in the project documentation.

DOCUMENT STATUS	Prepared by Moore Automation from the Siemens product records identified as Siemens SiePortal product page, Siemens S7-200 SMART System Manual. This independent reference is not a Siemens-issued manual and does not replace the current manufacturer documentation for installation, wiring, safety or certification.

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Before ordering, match the complete article number, hardware version, firmware, electrical design, wiring and application.