AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-7DP01-0AA0

EM DP01 PROFIBUS Slave Module

ROLE	PORT	ADDRESS	HOST
DP + MPI slave	**1 RS485**	**0-99 switches**	**Listed ST/SR CPUs**

Siemens 6ES7288-7DP01-0AA0 is the EM DP01 communications expansion module for supported S7-200 SMART CPUs. Its single RS485 port provides PROFIBUS DP slave and MPI slave functions, using automatic baud-rate detection and a station address selected by rotary switches.

01 VERIFIED TECHNICAL INFORMATION

Communication protocols	PROFIBUS DP slave and MPI slave
Communication ports	1
Electrical interface	RS485
Communication connector	9-pin subminiature D female
Automatic baud rates	9.6, 19.2, 45.45, 93.75, 187.5, 500 kbit/s; 1.5, 3, 6, 12 Mbit/s
Station address	0 to 99, set by rotary switches
Maximum stations per segment	32

Manufacturer evidence: S7-200 SMART System Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Maximum stations per network	126, including up to 99 EM DP01 stations
MPI connections	6 total; 1 reserved for an operator panel
SM-bus consumption	150 mA at 5 V DC, no load
External communications-port supply	20.4 to 28.8 V DC, Class 2/Limited Power/PLC sensor supply; not module-logic power
Power dissipation	1.5 W, no load
Documented CPU support	ST20, SR20, ST30, SR30, ST40, SR40, ST60, SR60 with firmware 2.1 or later
GSD process-data maxima	244 input bytes and 244 output bytes; 488 bytes combined
Status indicators	DIAG, POWER, DP ERROR and DX MODE

03 SOURCE AND CONFIGURATION CHECKS

The DP master defines the process-data configuration, while the SMART program handles the associated V-memory buffers. Diagnostic indicators show power, configuration and data-exchange states. Module logic power and the external supply for the communications port are separate resources in the manufacturer specification.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

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