

SIMATIC DP, CM PROFIBUS DP FOR ET 200SP CPU MODULE WITH PROFIBUS DP INTERF. (9 PIN SUB-D, FEMALE) DP-MASTER FOR 125 DP-SLAVES



General information	
Product type designation	ET 200SP, CM DP
HW functional status	FS01
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated as of version</li> </ul>	V13 Update 3
Installation type/mounting	
Rack mounting possible	No
Rail mounting possible	Yes; Standard - DIN rail
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Interfaces	
Number of PROFIBUS interfaces	1
1. Interface	
Interface types	

— RS 485	Yes
<b>Protocols</b>	
— SIMATIC communication	Yes
— PROFIBUS DP master	Yes
— PROFIBUS DP slave	Yes
<b>Interface types</b>	
<b>RS 485</b>	
• Transmission rate, max.	12 Mbit/s
• Cable length, max.	100 m
<b>Protocols</b>	
<b>PROFIBUS DP master</b>	
<b>Services</b>	
— PG/OP communication	Yes
— S7 routing	Yes
— Data record routing	Yes
— Isochronous mode	No
— Equidistance	No
— Number of DP slaves	125
— Activation/deactivation of DP slaves	Yes
<b>PROFIBUS DP slave</b>	
• Transmission rate, max.	12 Mbit/s
• automatic baud rate search	Yes
• Address area, max.	120
• User data per address area, max.	128 byte
<b>Services</b>	
— PG/OP communication	Yes; Only with active interface
— Routing	Yes; Only with active interface
— S7 communication	Yes; Only with active interface
— Direct data exchange (slave-to-slave communication)	Yes; No subscriber possible - only passive publisher
— DPV1	Yes
<b>Transfer memory</b>	
— Inputs	244 byte
— Outputs	244 byte
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostic messages</b>	
• Diagnostics	Yes
<b>Diagnostics indication LED</b>	
• for module diagnostics	Yes; green/red DIAG LED
<b>Potential separation</b>	

between backplane bus and interface	Yes
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### Ambient conditions

Ambient temperature during operation	
• horizontal installation, min.	0 °C
• horizontal installation, max.	60 °C
• vertical installation, min.	0 °C
• vertical installation, max.	50 °C

### Dimensions

Width	35 mm
Height	117 mm
Depth	75 mm

### Weights

Weight, approx.	80 g
<b>last modified:</b>	07.09.2015