



SIMATIC DP, CM PROFIBUS DP for ET 200SP CPU module with PROFIBUS DP interface (9-pole D-sub socket) DP master for 125 DP slaves, DP-Slave

General information	
Product type designation	CM PROFIBUS DP
HW functional status	FS04
Engineering with	V13 Update 3
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	
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
1. Interface	
Interface types	
<ul style="list-style-type: none"> <li>RS 485</li> </ul>	Yes
Protocols	
<ul style="list-style-type: none"> <li>PROFIBUS DP master</li> <li>PROFIBUS DP slave</li> <li>SIMATIC communication</li> </ul>	Yes Yes Yes
PROFIBUS DP master	
<ul style="list-style-type: none"> <li>Number of DP slaves, max.</li> </ul>	125
Services	
<ul style="list-style-type: none"> <li>PG/OP communication</li> <li>Equidistance</li> <li>Isochronous mode</li> <li>Activation/deactivation of DP slaves</li> </ul>	Yes No No Yes
PROFIBUS DP slave	
<ul style="list-style-type: none"> <li>Transmission rate, max.</li> <li>automatic baud rate search</li> <li>Address area, max.</li> <li>User data per address area, max.</li> </ul>	12 Mbit/s Yes 120 128 byte
Services	
<ul style="list-style-type: none"> <li>PG/OP communication</li> <li>Routing</li> <li>S7 communication</li> <li>Direct data exchange (slave-to-slave communication)</li> <li>DPV1</li> </ul>	Yes; Only with active interface Yes; Only with active interface Yes; Only with active interface Yes; No subscriber possible - only passive publisher Yes
Transfer memory	

— Inputs	244 byte
— Outputs	244 byte

### Interface types

RS 485	
• Transmission rate, max.	12 Mbit/s
• Cable length, max.	100 m

### Protocols

SIMATIC communication	
• S7 routing	Yes
• Data record routing	Yes

### Interrupts/diagnostics/status information

Diagnostics function	Yes
Diagnostics indication LED	
• for module diagnostics	Yes; green/red DIAG LED

### Potential separation

between backplane bus and interface	Yes
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### Ambient conditions

Ambient temperature during operation	
• horizontal installation, min.	-25 °C; No condensation
• horizontal installation, max.	60 °C
• vertical installation, min.	-25 °C; No condensation
• vertical installation, max.	50 °C
Altitude during operation relating to sea level	
• Installation altitude above sea level, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual

### Dimensions

Width	35 mm
Height	117 mm
Depth	75 mm

### Weights

Weight, approx.	80 g
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**last modified:** 12/16/2020 