



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	
<ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated from version 	V13 Update 3
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"> RS 485 	Yes
Protocols	
<ul style="list-style-type: none"> PROFIBUS DP master PROFIBUS DP slave SIMATIC communication 	Yes Yes Yes
PROFIBUS DP master	
<ul style="list-style-type: none"> Number of DP slaves, max. 	125
Services	
<ul style="list-style-type: none"> PG/OP communication Equidistance Isochronous mode Activation/deactivation of DP slaves 	Yes No No Yes
PROFIBUS DP slave	
<ul style="list-style-type: none"> Transmission rate, max. automatic baud rate search Address area, max. User data per address area, max. 	12 Mbit/s Yes 120 128 byte
Services	
<ul style="list-style-type: none"> PG/OP communication Routing S7 communication Direct data exchange (slave-to-slave communication) DPV1 	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	
<ul style="list-style-type: none"> Inputs Outputs 	244 byte 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
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
last modified:	12/16/2020 