



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	
• 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	
• RS 485	Yes
Protocols	
• PROFIBUS DP master	Yes
• PROFIBUS DP device	Yes
• SIMATIC communication	Yes
PROFIBUS DP master	
• max. number of DP devices	125
Services	
— PG/OP communication	Yes
— Equidistance	No
— Isochronous mode	No
— activation/deactivation of DP devices	Yes
PROFIBUS DP device	
• Transmission rate, max.	12 Mbit/s
• automatic baud rate search	Yes
• Address area, max.	120
• User data per address area, max.	128 byte
Services	
— 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
Transfer memory	
— Inputs	244 byte
— Outputs	244 byte

Interface types			
RS 485			
<ul style="list-style-type: none">• Transmission rate, max.• Cable length, max.	12 Mbit/s 100 m		
Protocols			
SIMATIC communication			
<ul style="list-style-type: none">• S7 routing• Data record routing	Yes Yes		
Interrupts/diagnostics/status information			
Diagnostics function	Yes		
Diagnostics indication LED			
<ul style="list-style-type: none">• for module diagnostics	Yes; green/red DIAG LED		
Potential separation			
between backplane bus and interface	Yes		
Ambient conditions			
Ambient temperature during operation			
<ul style="list-style-type: none">• horizontal installation, min.• horizontal installation, max.• vertical installation, min.• vertical installation, max.	-25 °C; No condensation 60 °C -25 °C; No condensation 50 °C		
Altitude during operation relating to sea level			
<ul style="list-style-type: none">• 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		
Classifications			
		Version	Classification
	eClass	16	27-24-26-08
	eClass	14	27-24-26-08
	eClass	12	27-24-26-08
	eClass	9.1	27-24-26-08
	eClass	9	27-24-26-08
	eClass	8	27-24-26-08
	eClass	7.1	27-24-26-08
	eClass	6	27-24-26-08
	ETIM	10	EC001604
	ETIM	9	EC001604
	ETIM	8	EC001604
	ETIM	7	EC001604
	IDEA	4	3564
	UNSPSC	15	32-15-17-05
Approvals / Certificates			
General Product Approval			
Manufacturer Declaration			
<div><div> EG-Konf.</div><div></div><div> UL</div><div> RCM</div><div></div></div>			
For use in hazardous locations			



[FM](#)

[CCC-Ex](#)



[Type Examination Certificate](#)



For use in hazardous locations

Maritime application

[Miscellaneous](#)

[CCC-Ex](#)



Maritime application

[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)

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