



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					
• Transmission rate, max. • Cable length, max.	12 Mbit/s 100 m				
Protocols					
SIMATIC communication					
• S7 routing • Data record routing	Yes 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. • 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					
• 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	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					
For use in hazardous locations					



[CCC-Ex](#)

[FM](#)



[Miscellaneous](#)

For use in hazard-
ous locations

Maritime application

[Type Examination Cer-
tificate](#)



[NK / Nippon Kaiji Ky-
okai](#)

Maritime application



[CCS \(China Classifica-
tion Society\)](#)

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

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