

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



General information	
Product type designation	CM PROFIBUS DP
HW functional status	FS04
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated as of version</li> </ul>	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
Interfaces	
Number of PROFIBUS interfaces	1
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> </ul>	Yes

- PROFIBUS DP slave Yes
- SIMATIC communication Yes

## Interface types

### RS 485

- Transmission rate, max. 12 Mbit/s
- Cable length, max. 100 m

## Protocols

### PROFIBUS DP master

#### Services

- 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

### PROFIBUS DP slave

- 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

## 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:** 01/22/2020