



SIMATIC S7-200, PROFIBUS DP Slave module, 9.6 KB to 12 MB, 1 interface PROFIBUS-DP/MPI

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• permissible range, lower limit (DC)	20.4 V
• permissible range, upper limit (DC)	28.8 V
Input current	
from external supply (24 V DC), max.	180 mA; 30 to 180 mA
from backplane bus 5 V DC, max.	150 mA
output voltage / header	
Rated value (DC)	
• 5 V DC	Yes
• 24 V DC	Yes; 20.4 to 28.8V
Output current	
For interface (5 V DC), max.	90 mA
For interface (24 V DC), max.	120 mA
• Current limitation	0.7 to 2.4 A
Power loss	
Power loss, typ.	2.5 W
Hardware configuration	
connectable nodes	TD 200 as of V2.0, OP, TP, PG/PC, S7-300/400, PROFIBUS DP master
Interfaces	
Number of RS 485 interfaces	1
MPI	
• Number of connections, max.	6
Interface types	
RS 485	
• Transmission rate, max.	12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1 / 1,5 / 3 / 6 / 12 Mbit/s
• automatic detection of transmission rate	Yes
• Cable length, max.	1 200 m; 100 to 1200 m, depending on transmission speed
Protocols	
Bus protocol/transmission protocol	PROFIBUS DP (slave), MPI (slave)
PROFIBUS DP	
• Number of node addresses, max.	0 to 99, adjustable
• Number of stations per segment, max.	32
• Number of stations in network, max.	126; of which max. 99 EM 277
communication functions / header	
Number of connections	

- usable for PG communication
 - reserved for PG communication
- usable for OP communication
 - reserved for OP communication

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Interrupts/diagnostics/status information

Diagnostics indication LED

- Monitoring of the supply voltage (PWR-LED) Yes
- Bus fault BF (red) Yes
- CPU error (red) Yes
- DX mode (red) Yes

Isolation

Isolation tested with between external signal and control logic: 500 V AC (galvanic); 5 V DC interface: Isolation between output and module as well as 24 V DC supply voltage: 500 V AC (max. 1 min.); 24 V DC interface: Isolation no; same circuit as 24 V DC supply voltage

connection method / header

Plug-in I/O terminals No

Dimensions

Width 71.2 mm
Height 80 mm
Depth 62 mm

Weights

Weight, approx. 175 g

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