

SIMATIC S7-200, PROFIBUS DP SLAVE MODULE, 9.6KB TO 12MB, 1 PORT, 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 backplane bus 5 V DC, max.	150 mA
from sensor current supply or external current supply (24 V DC), max.	180 mA; 30 to 180 mA

Output voltage

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
PROFIBUS DP	
• Node addresses	0 to 99, adjustable
• Number of stations per segment, max.	32
• Number of stations in network, max.	126; of which max. 99 EM 277
• automatic detection of transmission rate	Yes
• 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
Cable length	
— Cable length, max.	1 200 m; 100 to 1200 m, depending on transmission speed
Protocols	
Bus protocol/transmission protocol	PROFIBUS DP (slave), MPI (slave)
Communication functions	
Number of connections	
• usable for PG communication — reserved for PG communication	1
• usable for OP communication — reserved for OP communication	1
Interrupts/diagnostics/status information	
Diagnostics indication LED	
• Bus fault BF (red)	Yes
• CPU error (red)	Yes
• DX mode (red)	Yes
• Power supply (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	
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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