



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

Supply voltage	
Load voltage L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li>permissible range, lower limit (DC)</li> </ul>	20.4 V
<ul style="list-style-type: none"> <li>permissible range, upper limit (DC)</li> </ul>	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	
Rated value (DC)	
<ul style="list-style-type: none"> <li>5 V DC</li> </ul>	Yes
<ul style="list-style-type: none"> <li>24 V DC</li> </ul>	Yes; 20.4 to 28.8V
Output current	
For interface (5 V DC), max.	90 mA
For interface (24 V DC), max.	120 mA
<ul style="list-style-type: none"> <li>Current limitation</li> </ul>	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	
<ul style="list-style-type: none"> <li>Number of connections, max.</li> </ul>	6
Interface types	
RS 485	
<ul style="list-style-type: none"> <li>Transmission rate, max.</li> </ul>	12 Mbit/s
<ul style="list-style-type: none"> <li>automatic detection of transmission rate</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Cable length, max.</li> </ul>	1 200 m; 100 to 1200 m, depending on transmission speed
Protocols	
Bus protocol/transmission protocol	PROFIBUS DP (slave), MPI (slave)
PROFIBUS DP	
<ul style="list-style-type: none"> <li>Number of node addresses, max.</li> </ul>	0 to 99, adjustable
<ul style="list-style-type: none"> <li>Number of stations per segment, max.</li> </ul>	32
<ul style="list-style-type: none"> <li>Number of stations in network, max.</li> </ul>	126; of which max. 99 EM 277
Communication functions	

Number of connections	
<ul style="list-style-type: none"> <li>● usable for PG communication <ul style="list-style-type: none"> <li>— reserved for PG communication</li> </ul> </li> </ul>	1
<ul style="list-style-type: none"> <li>● usable for OP communication <ul style="list-style-type: none"> <li>— reserved for OP communication</li> </ul> </li> </ul>	1
Interrupts/diagnostics/status information	
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>● Monitoring of the supply voltage (PWR-LED)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● Bus fault BF (red)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● CPU error (red)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● DX mode (red)</li> </ul>	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
<b>last modified:</b>	12/16/2020 