



SIMATIC DP, 5 electronic modules for ET 200S, 4DI standard 24 V DC, 15 mm width, 5 units per packing unit

Supply voltage	
Rated value (DC)	24 V; From power module
Reverse polarity protection	Yes
Input current	
from supply voltage L+, max.	Dependent on encoder
from backplane bus 3.3 V DC, max.	10 mA
Encoder supply	
Type of output voltage	min. L+ (-0.5 V), under load
Output current	
<ul style="list-style-type: none"> <li>Rated value</li> <li>permissible range, lower limit</li> <li>permissible range, upper limit</li> </ul>	500 mA 0 mA 500 mA
Power loss	
Power loss, typ.	0.7 W
Address area	
Address space per module	<ul style="list-style-type: none"> <li>Address space per module, max.</li> <li>with packing</li> </ul>
	1 byte 4 bit
Digital inputs	
Number of digital inputs	4
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input voltage	
<ul style="list-style-type: none"> <li>Type of input voltage</li> <li>Rated value (DC)</li> <li>for signal "0"</li> <li>for signal "1"</li> </ul>	DC 24 V -30 to +5 V +15 to +30 V
Input current	
<ul style="list-style-type: none"> <li>for signal "1", typ.</li> </ul>	7 mA; at 24 V
Input delay (for rated value of input voltage)	
for standard inputs	<ul style="list-style-type: none"> <li>parameterizable</li> <li>at "0" to "1", min.</li> <li>at "0" to "1", max.</li> <li>at "1" to "0", min.</li> <li>at "1" to "0", max.</li> </ul>
	No 2 ms; typically 3 ms 4.5 ms 2 ms; typically 3 ms 4.5 ms
Cable length	

<ul style="list-style-type: none"> <li>• shielded, max.</li> </ul>	1 000 m
<ul style="list-style-type: none"> <li>• unshielded, max.</li> </ul>	600 m
<b>Encoder</b>	
Connectable encoders	
<ul style="list-style-type: none"> <li>• 2-wire sensor</li> </ul>	Yes
<ul style="list-style-type: none"> <li>— permissible quiescent current (2-wire sensor), max.</li> </ul>	1.5 mA
<b>Interrupts/diagnostics/status information</b>	
Diagnostics function	No
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>• Group error SF (red)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Status indicator digital input (green)</li> </ul>	Yes; per channel
<b>Parameter</b>	
Remark	1 byte
<b>Potential separation</b>	
Potential separation digital inputs	
<ul style="list-style-type: none"> <li>• between the channels</li> </ul>	No
<ul style="list-style-type: none"> <li>• between the channels and backplane bus</li> </ul>	Yes
<b>Isolation</b>	
Isolation tested with	500 V DC
<b>Dimensions</b>	
Width	15 mm
Height	81 mm
Depth	52 mm
<b>Weights</b>	
Weight, approx.	35 g
<b>last modified:</b>	1/19/2021 