



SIMATIC DP, 5 electronic modules for ET 200S, 4 DI High Feature 24 V DC, 15 mm width, with param. input delay Diagnostics encoder short circuit with SF LED (group fault) 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
Short-circuit protection	Yes; Electronic
Output current	
<ul style="list-style-type: none"> <li>Rated value</li> </ul>	500 mA
<ul style="list-style-type: none"> <li>permissible range, lower limit</li> </ul>	0 mA
<ul style="list-style-type: none"> <li>permissible range, upper limit</li> </ul>	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> </ul>	1 byte
<ul style="list-style-type: none"> <li>with packing</li> </ul>	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> </ul>	DC
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li>for signal "0"</li> </ul>	-30 to +5 V
<ul style="list-style-type: none"> <li>for signal "1"</li> </ul>	+11 to +30V
Input current	
<ul style="list-style-type: none"> <li>for signal "1", typ.</li> </ul>	8 mA
Input delay (for rated value of input voltage)	
for standard inputs	
<ul style="list-style-type: none"> <li>parameterizable</li> </ul>	Yes; 0.1 / 0.5 / 3 / 15 ms
<ul style="list-style-type: none"> <li>at "0" to "1", min.</li> </ul>	0.05 / 0.4 / 2.7 / 14.85
<ul style="list-style-type: none"> <li>at "0" to "1", max.</li> </ul>	0.15 / 0.6 / 3.3 / 15,15
<ul style="list-style-type: none"> <li>at "1" to "0", min.</li> </ul>	0.05 / 0.4 / 2.7 / 14.85
<ul style="list-style-type: none"> <li>at "1" to "0", max.</li> </ul>	0.15 / 0.6 / 3.3 / 15,15
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
Encoder	

<b>Connectable encoders</b>	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
<b>Interrupts/diagnostics/status information</b>	
Diagnostics function	Yes
<b>Diagnoses</b>	
• Short-circuit	Yes; Short-circuit of outputs to ground; module by module
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes; per channel
<b>Parameter</b>	
Remark	3 byte
Diagnostics short-circuit	Disable / enable
<b>Potential separation</b>	
<b>Potential separation digital inputs</b>	
• between the channels	No
• between the channels and backplane bus	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

**last modified:** 8/23/2023 