



SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 4 DI STANDARD 24V DC, 15 MM WIDTH, 5 PIECES PER PACKAGING UNIT

### Supply voltage

Rated value (DC)	
<ul style="list-style-type: none"> <li>24 V DC</li> </ul>	Yes; From power module
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes

### Input current

from backplane bus 3.3 V DC, max.	10 mA
from supply voltage L+, max.	Dependent on encoder

### Encoder supply

Type of output voltage	min. L+ (-0.5 V), under load
Output current	
<ul style="list-style-type: none"> <li>nominal</li> </ul>	500 mA

### Power losses

Power loss, typ.	0.7 W
Address space per module	
<ul style="list-style-type: none"> <li>with packing</li> <li>without packing</li> </ul>	4 bit 1 byte

### 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> <li>for signal "0"</li> </ul>	24 V -30 to +5V
<b>Input current</b>	
<ul style="list-style-type: none"> <li>for signal "1", typ.</li> </ul>	7 mA; at 24 V
<b>Input delay (for rated value of input voltage)</b>	
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
<b>Cable length</b>	
<ul style="list-style-type: none"> <li>shielded, max.</li> <li>Unshielded, max.</li> </ul>	1 000 m 600 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
<ul style="list-style-type: none"> <li>2-wire sensor               <ul style="list-style-type: none"> <li>Permissible quiescent current (2-wire sensor), max.</li> </ul> </li> </ul>	Yes 1.5 mA
<b>Diagnostic messages</b>	
<ul style="list-style-type: none"> <li>Diagnostic functions</li> </ul>	No
<b>Diagnostics indication LED</b>	
<ul style="list-style-type: none"> <li>Group error SF (red)</li> <li>Status indicator digital input (green)</li> </ul>	No Yes; per channel
<b>Parameter</b>	
Remark	1 byte
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital inputs</b>	
<ul style="list-style-type: none"> <li>between the channels</li> <li>between the channels and the backplane bus</li> </ul>	No Yes
<b>Permissible potential difference</b>	
between different circuits	75V DC/60V AC
<b>Isolation</b>	
Isolation checked with	500 V DC
<b>Dimensions</b>	
Width	15 mm
Height	81 mm
Depth	52 mm
<b>Weights</b>	

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Weight, approx.

35 g

**last modified:**

12.03.2015