

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
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> </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
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### Address area

Address space per module	
<ul style="list-style-type: none"> <li>• with packing</li> </ul>	4 bit
<ul style="list-style-type: none"> <li>• without packing</li> </ul>	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>• Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li>• for signal "0"</li> </ul>	-30 to +5V
<ul style="list-style-type: none"> <li>• for signal "1"</li> </ul>	+15 to +30V
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	
— parameterizable	No
— at "0" to "1", min.	2 ms; typically 3 ms

— at "0" to "1", max.	4.5 ms
— at "1" to "0", min.	2 ms; typically 3 ms
— at "1" to "0", max.	4.5 ms
<b>Cable length</b>	
• shielded, max.	1 000 m
• unshielded, max.	600 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
<b>Interrupts/diagnostics/status information</b>	
Diagnostic functions	No
<b>Diagnostics indication LED</b>	
• Status indicator digital input (green)	Yes
<b>Parameter</b>	
Remark	1 byte
<b>Potential separation</b>	
<b>Potential separation digital inputs</b>	
• between the channels	No
• between the channels and backplane bus	Yes
<b>Permissible potential difference</b>	
between different circuits	75 V DC/60 V AC
<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>	02/28/2018