

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 2 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 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</li> </ul>	0 to 500 mA
Power loss	
Power loss, typ.	0.4 W
Address area	

<b>Address space per module</b>	
• with packing	2 bit
• without packing	1 byte
<b>Digital inputs</b>	
Number of digital inputs	2
Input characteristic curve in accordance with IEC 61131, type 1	Yes
<b>Input voltage</b>	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	-30 to +5V
• for signal "1"	+15 to +30V
<b>Input current</b>	
• for signal "1", typ.	7 mA; at 24 V
<b>Input delay (for rated value of input voltage)</b>	
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>	
• Group error SF (red)	No
• Status indicator digital input (green)	Yes; per channel
<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

### Permissible potential difference

between different circuits 75 V DC/60 V AC

### Isolation

Isolation tested with 500 V DC

### Dimensions

Width 15 mm

Height 81 mm

Depth 52 mm

### Weights

Weight, approx. 35 g

**last modified:** 03/02/2017