

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> </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>Address space per module, max.</li> </ul>	1 byte

- with packing

4 bit

## Digital inputs

Number of digital inputs	4
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 +5 V
• for signal "1"	+15 to +30 V
<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

## Encoder

<b>Connectable encoders</b>	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA

## Interrupts/diagnostics/status information

Diagnostics function	No
<b>Diagnostics indication LED</b>	
• Group error SF (red)	No
• Status indicator digital input (green)	Yes; per channel

## Parameter

Remark	1 byte
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## Potential separation

<b>Potential separation digital inputs</b>	
• between the channels	No
• between the channels and backplane bus	Yes

## Isolation

Isolation tested with	500 V DC
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## Dimensions

Width	15 mm
Height	81 mm
Depth	52 mm

## Weights

Weight, approx.	35 g
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**last modified:** 11/28/2020