

SIMATIC DP, 5 electronic modules for ET 200S, 2 DO Standard 24 V DC/2 A, 15 mm width, 5 units per packing unit



### Supply voltage

Reverse voltage protection	Yes; when using the same load voltage as on the power module
Load voltage L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V; From power module
<ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul>	Yes; polarity reversal can lead to the digital outputs being connected through

### Input current

from load voltage L+ (without load), max.	5 mA; Per channel
from backplane bus 3.3 V DC, max.	10 mA

### Power loss

Power loss, typ.	1.4 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
<ul style="list-style-type: none"> <li>with packing</li> </ul>	2 bit

### Digital outputs

Type of digital output	Source output (PNP, current-sourcing)
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Number of digital outputs	2
Short-circuit protection	Yes
• Response threshold, typ.	2.8 to 7.2 A
Limitation of inductive shutdown voltage to	-55 to -60 V, typ. L+( )
Controlling a digital input	Yes
<b>Switching capacity of the outputs</b>	
• on lamp load, max.	10 W
<b>Load resistance range</b>	
• lower limit	12 Ω
• upper limit	3 400 Ω
<b>Output voltage</b>	
• for signal "1", min.	L+ (-1 V)
<b>Output current</b>	
• for signal "1" rated value	2 A
• for signal "1" permissible range, min.	7 mA
• for signal "1" permissible range, max.	2.4 A
• for signal "0" residual current, max.	0.5 mA
<b>Output delay with resistive load</b>	
• "0" to "1", max.	200 μs
• "1" to "0", max.	1.3 ms
<b>Parallel switching of two outputs</b>	
• for uprating	No
• for redundant control of a load	Yes; per module
<b>Switching frequency</b>	
• with resistive load, max.	100 Hz
• with inductive load, max.	2 Hz; 0,5 H
• on lamp load, max.	10 Hz
<b>Total current of the outputs</b>	
• Current per module, max.	4 A
<b>Cable length</b>	
• shielded, max.	1 000 m
• unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
Diagnostics function	No
<b>Diagnostics indication LED</b>	
• Status indicator digital output (green)	Yes
<b>Parameter</b>	
Remark	1 byte
<b>Potential separation</b>	
<b>Potential separation digital outputs</b>	
• between the channels	No

- between the channels and backplane bus

Yes

### Isolation

Isolation tested with

500 V DC

### Dimensions

Width

15 mm

Height

81 mm

Depth

52 mm

### Weights

Weight, approx.

40 g

**last modified:**

06/12/2020