

SIMATIC DP, 5 electronic modules for ET 200S, 4 DO standard 24 V DC/0.5 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+

- Rated value (DC) 24 V; From power module
- Reverse polarity protection Yes; polarity reversal can lead to the digital outputs being connected through

Input current

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

Power loss

Power loss, typ. 0.8 W

Address area

Address space per module

- with packing 4 bit
- without packing 1 byte

Digital outputs

Number of digital outputs 4

Short-circuit protection	Yes
• Response threshold, typ.	1 to 1.5 A
Limitation of inductive shutdown voltage to	L+ (-55 to -60 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
• on lamp load, max.	5 W
Load resistance range	
• lower limit	48 Ω
• upper limit	3 400 Ω
Output voltage	
• for signal "1", min.	L+ (-1 V)
Output current	
• for signal "1" rated value	0.5 A
• for signal "1" permissible range, min.	7 mA
• for signal "1" permissible range, max.	600 mA
• for signal "0" residual current, max.	0.3 mA
Output delay with resistive load	
• "0" to "1", max.	50 μ s
• "1" to "0", max.	120 μ s
Parallel switching of two outputs	
• for uprating	No
• for redundant control of a load	Yes; per module
Switching frequency	
• with resistive load, max.	800 Hz
• with inductive load, max.	2 Hz
• on lamp load, max.	10 Hz
Total current of the outputs	
• Current per module, max.	2 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Diagnostic functions	No
Diagnostics indication LED	
• Status indicator digital output (green)	Yes
Parameter	
Remark	1 byte
Potential separation	

Potential separation digital outputs

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|--|-----|
| • 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.	40 g
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last modified: 04/23/2018