

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

- Address space per module, max. 1 byte
- with packing 4 bit

### Digital outputs

Type of digital output Source output (PNP, current-sourcing)

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
<b>Switching capacity of the outputs</b>	
• on lamp load, max.	5 W
<b>Load resistance range</b>	
• lower limit	48 $\Omega$
• upper limit	3 400 $\Omega$
<b>Output voltage</b>	
• for signal "1", min.	L+ (-1 V)
<b>Output current</b>	
• 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
<b>Output delay with resistive load</b>	
• "0" to "1", max.	50 $\mu$ s
• "1" to "0", max.	120 $\mu$ s
<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.	800 Hz
• with inductive load, max.	2 Hz
• on lamp load, max.	10 Hz
<b>Total current of the outputs</b>	
• Current per module, max.	2 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:**

12/09/2020