

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
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
Interrupts/diagnostics/status information	
Diagnostics function	No
Diagnostics indication LED	
• Status indicator digital output (green)	Yes
Parameter	
Remark	1 byte
Potential separation	
Potential separation digital outputs	
• 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:

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