

SIMATIC DP, 5 electronic modules for ET 200S, 4 DO standard 24 V DC/2 A, 15 mm width, 5 units per packing unit



Figure similar

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"> Rated value (DC) 	24 V; From power module
<ul style="list-style-type: none"> Reverse polarity protection 	Yes
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.	1.6 W
Address area	
Address space per module	
<ul style="list-style-type: none"> Address space per module, max. 	1 byte
<ul style="list-style-type: none"> 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.	2.8 to 7.2 A
Limitation of inductive shutdown voltage to	Typ. L+ (-55 to -60 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
• on lamp load, max.	10 W
Load resistance range	
• lower limit	12 Ω
• upper limit	3 400 Ω
Output voltage	
• for signal "1", min.	L+ (-1.0 V)
Output current	
• 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.	0.1 mA
Output delay with resistive load	
• "0" to "1", max.	50 μs; Typ. 45 μs
• "1" to "0", max.	120 μs; Typ. 90 μs
Parallel switching of two outputs	
• for uprating	No
• for redundant control of a load	Yes; per module
Switching frequency	
• with resistive load, max.	1 000 Hz
• with inductive load, max.	2 Hz; At 0.5 H
• on lamp load, max.	10 Hz
Total current of the outputs	
• Current per module, max.	4 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:

12/09/2020