SIEMENS

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 4 DO STANDARD DC 24V/0.5A, 15 MM WIDTH, 5 PIECES PER PACKAGING 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

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Short-circuit protection	Yes
• Response threshold, typ.	1 to 1.5 A
Switching capacity of the outputs	
• on lamp load, max.	5 W
Load resistance range	
• lower limit	48 Ω
• upper limit	3 400 Ω
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 µs
• "1" to "0", max.	120 µs
Parallel switching of 2 outputs	
• 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 messages	
• Diagnostic functions	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 the backplane bus	Yes

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Isolation	
Isolation tested with	500 V DC

Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm

Weights	
Weight, approx.	40 g

| **last modified:** | 17.07.2015 |