



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+	
<ul style="list-style-type: none"> Rated value (DC) 	24 V; From power module
<ul style="list-style-type: none"> 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	
<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
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> on lamp load, max. 	5 W
Load resistance range	
<ul style="list-style-type: none"> lower limit 	48 Ω
<ul style="list-style-type: none"> upper limit 	3 400 Ω
Output voltage	
<ul style="list-style-type: none"> for signal "1", min. 	L+ (-1 V)
Output current	
<ul style="list-style-type: none"> for signal "1" rated value 	0.5 A
<ul style="list-style-type: none"> for signal "1" permissible range, min. 	7 mA
<ul style="list-style-type: none"> for signal "1" permissible range, max. 	600 mA
<ul style="list-style-type: none"> for signal "0" residual current, max. 	0.3 mA
Output delay with resistive load	
<ul style="list-style-type: none"> "0" to "1", max. 	50 μs
<ul style="list-style-type: none"> "1" to "0", max. 	120 μs
Parallel switching of two outputs	
<ul style="list-style-type: none"> for uprating 	No
<ul style="list-style-type: none"> 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
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