

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 4 DO SHIGH FEATURE 24V/2A DC, 15 MM WIDTH DIAGNOSIS SHORT CIRCUIT, SF-LED 5 PIECES PER PACKAGING 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; polarity reversal can lead to the digital outputs being connected through
Input current	
from load voltage L+ (without load), max.	5 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"> with packing 	4 bit
<ul style="list-style-type: none"> without packing 	1 byte
Digital outputs	

Number of digital outputs	4
Short-circuit protection	Yes
• Response threshold, typ.	5 to 10 A
Limitation of inductive shutdown voltage to	L+ -(37 to 41V)
Controlling a digital input	Yes
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.	0.5 mA
Output delay with resistive load	
• "0" to "1", max.	250 μs
• "1" to "0", max.	400 μs
Parallel switching of two outputs	
• for uprating	No
• for redundant control of a load	Yes; per module
Switching frequency	
• with resistive load, max.	100 Hz
• with inductive load, max.	2 Hz
• 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
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Diagnostic functions	Yes
Diagnostic messages	
• Short-circuit	Yes; Module-wise
Diagnostics indication LED	
• Group error SF (red)	Yes; SF-LED (red)
• Status indicator digital output (green)	Yes; Per channel
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:	07/21/2017