



SIMATIC DP, 1 ELECTRON. MODULE FOR ET 200S, 8 DO HIGH FEATURE DC24V/0,5A, 15 MM WIDTH, DIAGNOSIS SHORT CIRCUIT, SF-LED 1 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) Reverse polarity protection 	24 V; From power module 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
Address area	
Address space per module	
<ul style="list-style-type: none"> with packing without packing 	Not relevant 1 byte
Digital outputs	
Number of digital outputs	8
short-circuit protection	Yes
<ul style="list-style-type: none"> Response threshold, typ. 	0.7 to 1.9 A
Limitation of inductive shutdown voltage to	L+ -(47 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 upper limit 	48 Ω 3 400 Ω

Output voltage	
• for signal "1", min.	L+ (-1.0 V)
Output current	
• for signal "1" rated value	0.5 A
• for signal "1" permissible range for 0 to 60 °C, min.	7 mA
• for signal "1" permissible range for 0 to 60 °C, max.	600 mA
• for signal "0" residual current, max.	0.3 mA
Output delay with resistive load	
• "0" to "1", max.	300 µs
• "1" to "0", max.	600 µs
Parallel switching of 2 outputs	
• for increased power	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
horizontal installation	
— up to 60 °C, max.	4 A
vertical installation	
— up to 40 °C, max.	4 A; At 55 °C and 24 V DC
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	Yes
• Short circuit	Yes; Module-wise
Diagnostics indication LED	
• Group error SF (red)	Yes; SF-LED (red)
• Status indicator digital output (green)	Yes; Per channel
Parameter	
Remark	1 byte
Galvanic isolation	
Galvanic isolation digital outputs	
• between the channels	No

- between the channels and the backplane bus

Yes

Isolation

Isolation checked 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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