

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+	
• 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.	5 mA; Per channel
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	1.5 W
Address area	
Address space per module	
• without packing	1 byte
Digital outputs	
Number of digital outputs	8

Short-circuit protection	Yes
• 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	
• on lamp load, max.	5 W
Load resistance range	
• lower limit	48 Ω
• upper limit	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, 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.	300 μ s
• "1" to "0", max.	600 μ s
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	
• Diagnostic information readable	Yes
• Short-circuit	Yes; Module-wise
Diagnostics indication LED	
• Group error SF (red)	Yes

- Status indicator digital output (green)

Yes; Per channel

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: 08/16/2017