



SIMATIC DP, 5 electronic modules for ET 200S, 4 DO High Feature 24 V DC/2 A, 15 mm width, Short-circuit diagnostics, SF LED 5 units per packing 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
Power loss	
Power loss, typ.	1.6 W
Address area	
Address space per module	
<ul style="list-style-type: none"> Address space per module, max. with packing 	1 byte 4 bit
Digital outputs	
Type of digital output	Transistor
Number of digital outputs	4
Short-circuit protection	Yes
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> lower limit upper limit 	12 Ω 3 400 Ω
Output voltage	
<ul style="list-style-type: none"> for signal "1", min. 	L+ (-1.0 V)
Output current	
<ul style="list-style-type: none"> for signal "1" rated value for signal "1" permissible range, min. for signal "1" permissible range, max. for signal "0" residual current, max. 	2 A 7 mA 2.4 A 0.5 mA
Output delay with resistive load	
<ul style="list-style-type: none"> "0" to "1", max. "1" to "0", max. 	250 μs 400 μs
Parallel switching of two outputs	

<ul style="list-style-type: none"> • for uprating • for redundant control of a load 	No Yes; per module
Switching frequency	
<ul style="list-style-type: none"> • with resistive load, max. • with inductive load, max. • on lamp load, max. 	100 Hz 2 Hz 10 Hz
Total current of the outputs	
<ul style="list-style-type: none"> • Current per module, max. 	4 A
Cable length	
<ul style="list-style-type: none"> • shielded, max. • unshielded, max. 	1 000 m 600 m
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Diagnoses	
<ul style="list-style-type: none"> • Short-circuit 	Yes; Module-wise
Diagnostics indication LED	
<ul style="list-style-type: none"> • Group error SF (red) • Status indicator digital output (green) 	Yes; SF-LED (red) Yes; Per channel
Potential separation	
Potential separation digital outputs	
<ul style="list-style-type: none"> • between the channels • between the channels and backplane bus 	No 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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