



SIMATIC DP, 5 electronic modules for ET 200S, 2 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+	
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.	0.4 W
Address area	
Address space per module	
Address space per module, max.	1 byte
with packing	2 bit
Digital outputs	
Type of digital output	Source output (PNP, current-sourcing)
Number of digital outputs	2
Short-circuit protection	Yes
Response threshold, typ.	0.7 to 1.8 A
Limitation of inductive shutdown voltage to	-55 to -60 V, typ. L+ ()
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 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.	200 μs
"1" to "0", max.	1.3 ms

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.	1 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
last modified:	2/9/2021 