



SIMATIC DP, 1 ELECTRON. MODULES FOR ET 200S, 8 DO SINK OUTPUT, DC24V/0,5A, 15 MM WIDTH, 1 PIECES PER PACKAGING UNIT

Supply voltage	
Reverse voltage protection	Yes; when using the same correctly polarized load voltage as on the power module
Load voltage L+	
• Rated value (DC)	24 V; From power module
• Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	5 mA
from backplane bus 3.3 V DC, max.	10 mA
Power losses	
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.	1,5 A
Limitation of inductive shutdown voltage to	Typ. 47 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.	Max. 1 V
Output current	
• for signal "1" rated value	0.5 A
• for signal "1" permissible range for 0 to 60 °C, min.	5 mA
• for signal "1" permissible range for 0 to 60 °C, max.	700 mA
• for signal "0" residual current, max.	5 µA
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.	0.5 Hz
• on lamp load, max.	10 Hz
Aggregate current of outputs (per group)	
all mounting positions	
— up to 60 °C, 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 messages	
• Diagnostic functions	No
Diagnostics indication LED	
• Status indicator digital output (green)	Yes
Parameter	
Remark	3 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:	12.03.2015