



SIMATIC DP,
5 ELECTRON. MODULES FOR ET 200S,
4 DO STANDARD DC 24V/0.5A, 15 MM WIDTH,
5 PIECES PER PACKAGING 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 PM

Reverse polarity protection Yes ; polarity reversal can lead to the digital outputs being connected through

Input current

from load voltage L+ (without load), max. 10 mA ; Per channel

from backplane bus 3.3 V DC, max. 10 mA

Power losses

Power loss, typ. 0.8 W

Address area

Address space per module

with packing 4 bit

without packing 1 byte

Digital outputs

Number of digital outputs 4

Product function / at the digital outputs / short-circuit protection Yes

Response threshold, typ. 1 to 1.5 A

Limitation of inductive shutdown voltage to	(L+) -55 to -60 V
Controlling a digital input	Yes
Switching capacity of the outputs	
Lamp load, max.	5 W
Load resistance range	
lower limit	48 Ω
upper limit	3400 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 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.	45 μs ; Typical value
"1" to "0", max.	90 μs ; Typical value
Parallel switching of 2 outputs	
for increased power	No
for redundant control of a load	Yes ; per module
Switching frequency	
with resistive load, max.	800 Hz
with inductive load, max.	2 Hz
on lamp load, max.	10 Hz
Aggregate current of outputs (per group)	
all mounting positions	
up to 60 °C, max.	2 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length 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	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
Status	Aug 27, 2013