



SIMATIC DP,
5 ELECTRON. MODULES FOR ET 200S,
4 DO STANDARD DC 24V/2A,
15 MM WIDTH 5 PIECES PER PACKAGING UNIT

Supply voltage	
Reverse voltage protection	Yes ; When using the same load voltage as
Load voltage L+	
Rated value (DC)	24 V ; From power module
Reverse polarity protection	Yes
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.	1.6 W
Address area	
Address space per module	
with packing	4 bit
without packing	1 byte
Digital outputs	
Number/binary outputs	4
Functionality/short-circuit strength	Yes ; Per channel
Response threshold, typ.	2.8 to 7.2 A

Limitation of inductive shutdown voltage to	Typ. L+ (-55 to -60 V)
Lamp load, max.	10 W
Controlling a digital input	Yes
Load resistance range	
lower limit	12 Ω
upper limit	3400 Ω
Output voltage	
for signal "1", min.	L+ (-1.0 V)
Output current	
for signal "1" rated value	2 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.	2.4 A
for signal "0" residual current, max.	0.5 mA
Output delay with resistive load	
"0" to "1", max.	50 μ s ; Typ. 45 μ s
"1" to "0", max.	120 μ s ; Typ. 90 μ s
Parallel switching of 2 outputs	
for increased power	No
for redundant control of a load	Yes ; per module
Switching frequency	
with resistive load, max.	1000 Hz
with inductive load, max.	2 Hz ; At 0.5 H
on lamp load, max.	10 Hz
Aggregate current of outputs (per group)	
all mounting positions	
up to 60 °C, max.	4 A
vertical installation	
up to 40 °C, max.	4 A ; At 55 °C and 24 V DC
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
Weight	
Weight, approx.	40 g
Status	Mar 4, 2013