

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



Figure similar

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
Input current	
from load voltage L+ (without load), max.	10 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	
• with packing	4 bit
• without packing	1 byte
Digital outputs	
Number of digital outputs	4
Short-circuit protection	Yes

• Response threshold, typ.	2.8 to 7.2 A
Limitation of inductive shutdown voltage to	Typ. L+ (-55 to -60 V)
Controlling a digital input	Yes
<b>Switching capacity of the outputs</b>	
• on lamp load, max.	10 W
<b>Load resistance range</b>	
• lower limit	12 $\Omega$
• upper limit	3 400 $\Omega$
<b>Output voltage</b>	
• for signal "1", min.	L+ (-1.0 V)
<b>Output current</b>	
• for signal "1" rated value	2 A
• for signal "1" permissible range, min.	7 mA
• for signal "1" permissible range, max.	2.4 A
• for signal "0" residual current, max.	0.1 mA
<b>Output delay with resistive load</b>	
• "0" to "1", max.	50 $\mu$ s; Typ. 45 $\mu$ s
• "1" to "0", max.	120 $\mu$ s; Typ. 90 $\mu$ s
<b>Parallel switching of two outputs</b>	
• for uprating	No
• for redundant control of a load	Yes; per module
<b>Switching frequency</b>	
• with resistive load, max.	1 000 Hz
• with inductive load, max.	2 Hz; At 0.5 H
• on lamp load, max.	10 Hz
<b>Total current of the outputs</b>	
• Current per module, max.	4 A
<b>Cable length</b>	
• shielded, max.	1 000 m
• unshielded, max.	600 m
<b>Isochronous mode</b>	
Isochronous operation (application synchronized up to terminal)	Yes
<b>Interrupts/diagnostics/status information</b>	
Diagnostic functions	No
<b>Diagnostics indication LED</b>	
• Status indicator digital output (green)	Yes
<b>Parameter</b>	
Remark	1 byte
<b>Potential separation</b>	
Potential separation digital outputs	

- 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

**last modified:** 13.02.2016