

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
<b>Load voltage L+</b>	
• Rated value (DC)	24 V; From power module
• Reverse polarity protection	Yes

### 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.	0.8 W
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### Address area

<b>Address space per module</b>	
• with packing	2 bit
• without packing	1 byte

### Digital outputs

Number of digital outputs	4
<b>Short-circuit protection</b>	
• Response threshold, typ.	0.7 to 1.5 A
Limitation of inductive shutdown voltage to	-55 to -60 V
Controlling a digital input	Yes

### Switching capacity of the outputs

• on lamp load, max.	5 W
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### Load resistance range

• lower limit	48 $\Omega$
• upper limit	3 400 $\Omega$

### Output voltage

• for signal "1", min.	L+ (-1 V)
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### Output current

• for signal "1" rated value	0.5 A
• for signal "0" residual current, max.	0.3 mA

### Output delay with resistive load

• "0" to "1", max.	100 $\mu$ s
• "1" to "0", max.	300 $\mu$ s

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
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	No
Interrupts/diagnostics/status information	
Diagnostic functions	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
Permissible potential difference	
between different circuits	75 V DC/60 V AC
Isolation	
Isolation tested with	500 V DC
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	40 g
<b>last modified:</b>	04/23/2018