

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 2 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>	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V; From power module
<ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul>	Yes

### Input current

from load voltage L+ (without load), max.	5 mA; per module
from backplane bus 3.3 V DC, max.	10 mA

### Power loss

Power loss, typ.	0.4 W
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### Address area

<b>Address space per module</b>	
<ul style="list-style-type: none"> <li>Address space per module, max.</li> </ul>	1 byte
<ul style="list-style-type: none"> <li>with packing</li> </ul>	2 bit

### Digital outputs

Number of digital outputs	2
<b>Short-circuit protection</b>	
<ul style="list-style-type: none"> <li>Response threshold, typ.</li> </ul>	0.7 to 1.8 A
Limitation of inductive shutdown voltage to	-55 to -60 V
Controlling a digital input	Yes

### Switching capacity of the outputs

<ul style="list-style-type: none"> <li>on lamp load, max.</li> </ul>	5 W
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### Load resistance range

<ul style="list-style-type: none"> <li>lower limit</li> </ul>	48 $\Omega$
<ul style="list-style-type: none"> <li>upper limit</li> </ul>	3 400 $\Omega$

### Output voltage

<ul style="list-style-type: none"> <li>for signal "1", min.</li> </ul>	L+ (-1 V)
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### Output current

<ul style="list-style-type: none"> <li>for signal "1" rated value</li> </ul>	0.5 A
<ul style="list-style-type: none"> <li>for signal "0" residual current, max.</li> </ul>	0.3 mA

### Output delay with resistive load

<ul style="list-style-type: none"> <li>"0" to "1", max.</li> </ul>	200 $\mu$ s
<ul style="list-style-type: none"> <li>"1" to "0", max.</li> </ul>	1.3 ms

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	
Diagnostics function	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>	08/12/2019