



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
Load voltage L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> <li>Reverse polarity protection</li> </ul>	24 V; From power module  Yes; polarity reversal can lead to the digital outputs being connected through
Input current	
from load voltage L+ (without load), max.	5 mA; per module
from backplane bus 3.3 V DC, max.	10 mA
Power losses	
Power loss, typ.	0.4 W
Address area	
Address space per module	
<ul style="list-style-type: none"> <li>with packing</li> <li>without packing</li> </ul>	2 bit  1 byte
Digital outputs	
Number of digital outputs	2
short-circuit protection	Yes
<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, typ. L+( )
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
Load resistance range	

• lower limit	48 Ω
• upper limit	3 400 Ω
<b>Output voltage</b>	
• for signal "1", min.	L+ (-1 V)
<b>Output current</b>	
• 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
<b>Output delay with resistive load</b>	
• "0" to "1", max.	200 μs
• "1" to "0", max.	1.3 ms
<b>Parallel switching of 2 outputs</b>	
• for increased power	No
• for redundant control of a load	Yes; per module
<b>Switching frequency</b>	
• with resistive load, max.	100 Hz
• with inductive load, max.	2 Hz
• on lamp load, max.	10 Hz
<b>Aggregate current of outputs (per group)</b>	
all mounting positions	
— up to 60 °C, max.	1 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)	No
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostic messages</b>	
• Diagnostic functions	No
<b>Diagnostics indication LED</b>	
• Status indicator digital output (green)	Yes
<b>Parameter</b>	
Remark	1 byte
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital outputs</b>	
• between the channels	No
• between the channels and the backplane bus	Yes

## Isolation

Isolation checked with	500 V DC
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## Dimensions

Width	15 mm
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Height	81 mm
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Depth	52 mm
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## Weights

Weight, approx.	40 g
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<b>last modified:</b>	12.03.2015
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