

SIMATIC DP, 5 electronic modules for ET 200S, 2 DO 24...230 V AC  
15 mm width, 5 units per packing unit



Figure similar

Supply voltage	
Reverse voltage protection	Yes; when using the same load voltage as on the power module
Load voltage L1	
• permissible range, lower limit (AC)	24 V; From power module
• permissible range, upper limit (AC)	230 V
• permissible frequency range, lower limit	47 Hz
• permissible frequency range, upper limit	63 Hz
Input current	
from load voltage L1 (without load), max.	15 mA; Per channel
from backplane bus 3.3 V DC, max.	18 mA
Power loss	
Power loss, max.	4 W
Address area	
Address space per module	
• Address space per module, max.	1 byte
• with packing	2 bit

Digital outputs	
Type of digital output	Triac
Number of digital outputs	2
Short-circuit protection	Yes
Limitation of inductive shutdown voltage to	-55 to -60 V
Controlling a digital input	Yes; possible
Switching capacity of the outputs	
<ul style="list-style-type: none"> <li>on lamp load, max.</li> </ul>	100 W
Output voltage	
<ul style="list-style-type: none"> <li>for signal "1", min.</li> </ul>	L+ (-1.5 V)
Output current	
<ul style="list-style-type: none"> <li>for signal "1" rated value</li> <li>for signal "1" permissible range, min.</li> <li>for signal "1" permissible range, max.</li> <li>for signal "0" residual current, max.</li> </ul>	2 A 0.1 mA 2.2 A 3 mA
Output delay with resistive load	
<ul style="list-style-type: none"> <li>"0" to "1", max.</li> <li>"1" to "0", max.</li> </ul>	15 ms 15 ms
Parallel switching of two outputs	
<ul style="list-style-type: none"> <li>for uprating</li> <li>for redundant control of a load</li> </ul>	No Yes; per module
Switching frequency	
<ul style="list-style-type: none"> <li>with resistive load, max.</li> <li>with inductive load, max.</li> <li>on lamp load, max.</li> </ul>	10 Hz 0.5 Hz 1 Hz
Total current of the outputs	
<ul style="list-style-type: none"> <li>Current per module, max.</li> </ul>	2 A; note derating data in the manual
Cable length	
<ul style="list-style-type: none"> <li>shielded, max.</li> <li>unshielded, max.</li> </ul>	1 000 m 600 m
Interrupts/diagnostics/status information	
Diagnostics function	No
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>Status indicator digital output (green)</li> </ul>	Yes
Parameter	
Remark	3 byte
Response to CPU/master STOP	Substitute a value/keep last value, 0/1
Potential separation	
Potential separation digital outputs	
<ul style="list-style-type: none"> <li>between the channels</li> <li>between the channels and backplane bus</li> </ul>	No Yes

## Isolation

Isolation tested with	2 500 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.	37 g
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<b>last modified:</b>	06/12/2020
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