



LOGO! DM8 24 expansion module, PS/I/O: 24V/24V/trans., 4 DI/4 DO for LOGO! 8

Installation type/mounting	
Mounting	on 35 mm DIN rail, 2 spacing units wide
Supply voltage	
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Digital inputs	
Number of digital inputs	4
Input voltage	
<ul style="list-style-type: none"> <li>Type of input voltage</li> <li>for signal "0"</li> <li>for signal "1"</li> </ul>	DC < 5 V DC > 12 V DC
Input current	
<ul style="list-style-type: none"> <li>for signal "0", max. (permissible quiescent current)</li> <li>for signal "1", typ.</li> </ul>	0.88 mA 2.1 mA
Input delay (for rated value of input voltage)	
for standard inputs	
<ul style="list-style-type: none"> <li>at "0" to "1", max.</li> <li>at "1" to "0", max.</li> </ul>	1.5 ms 1.5 ms
Digital outputs	
Number of digital outputs	4
Short-circuit protection	Yes
Output current	
<ul style="list-style-type: none"> <li>for signal "1" rated value</li> </ul>	0.3 A
Parallel switching of two outputs	
<ul style="list-style-type: none"> <li>for uprating</li> </ul>	No
Switching frequency	
<ul style="list-style-type: none"> <li>with resistive load, max.</li> <li>with inductive load, max.</li> </ul>	10 Hz 0.5 Hz
EMC	
Emission of radio interference acc. to EN 55 011	
<ul style="list-style-type: none"> <li>Limit class B, for use in residential areas</li> </ul>	Yes
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
FM approval	Yes
developed in accordance with IEC 61131	Yes

according to VDE 0631	Yes
Marine approval	Yes
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	0 °C; ES03 and higher: -20 °C
• max.	55 °C
<b>Dimensions</b>	
Width	35.5 mm
Height	90 mm
Depth	58 mm
<b>last modified:</b>	3/13/2020 