

LOGO! DM16 24R expansion module, PS/I/O: 24 V DC/24 V DC/relay, 8 DI/8 DO, 4 MW for LOGO! 8



### Installation type/mounting

Mounting on 35 mm DIN rail, 4 spacing units wide

### Supply voltage

Rated value (DC)	Yes
<ul style="list-style-type: none"> <li>• 24 V DC</li> </ul>	
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Rated value (AC)	No
<ul style="list-style-type: none"> <li>• 24 V AC</li> </ul>	

### Digital inputs

Number of digital inputs	8
Input voltage	
<ul style="list-style-type: none"> <li>• Type of input voltage</li> </ul>	DC
<ul style="list-style-type: none"> <li>• for signal "0"</li> </ul>	< 5 V DC
<ul style="list-style-type: none"> <li>• for signal "1"</li> </ul>	> 12 V DC
Input current	
<ul style="list-style-type: none"> <li>• for signal "0", max. (permissible quiescent current)</li> </ul>	0.85 mA

• for signal "1", typ.	2 mA
<b>Input delay (for rated value of input voltage)</b>	
for standard inputs	
— at "0" to "1", max.	1.5 ms
— at "1" to "0", max.	1.5 ms

<b>Digital outputs</b>	
Number of digital outputs	8; Relays
Short-circuit protection	No
Controlling a digital input	Yes
<b>Switching capacity of the outputs</b>	
• on lamp load, max.	1 000 W
<b>Output current</b>	
• for signal "1" rated value	5 A
• for signal "1" minimum load current	100 mA
<b>Parallel switching of two outputs</b>	
• for uprating	No
<b>Switching frequency</b>	
• with resistive load, max.	2 Hz
• with inductive load, max.	0.5 Hz
• mechanical, max.	10 Hz
<b>Relay outputs</b>	
Switching capacity of contacts	
— with inductive load, max.	3 A
— with resistive load, max.	5 A

<b>EMC</b>	
Emission of radio interference acc. to EN 55 011	
• Limit class B, for use in residential areas	Yes

<b>Standards, approvals, certificates</b>	
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

## Dimensions

Width	71.5 mm
Height	90 mm
Depth	58 mm
<b>last modified:</b>	10/07/2020