

\*\*\* Spare part \*\*\* LOGO! DM16 24R expansion module, PS/I/O: 24 V DC/24 V DC/relay, 8 DI/8 DO, 4 HP



## 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

## 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>	1 mA
<ul style="list-style-type: none"> <li>• for signal "1", typ.</li> </ul>	2 mA

Input delay (for rated value of input voltage)

for standard inputs	
— at "0" to "1", max.	1.5 ms
— at "1" to "0", max.	1.5 ms

### Digital outputs

Number of digital outputs	8; Relays
Short-circuit protection	No
Controlling a digital input	Yes

Switching capacity of the outputs	
• on lamp load, max.	1 000 W

Output current	
• for signal "1" rated value	5 A

Parallel switching of two outputs	
• for uprating	No

Switching frequency	
• with resistive load, max.	2 Hz
• with inductive load, max.	0.5 Hz
• mechanical, max.	10 Hz

Relay outputs	
Switching capacity of contacts	
— with inductive load, max.	3 A
— with resistive load, max.	5 A

### EMC

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

### Degree and class of protection

Degree of protection acc. to EN 60529	
• IP20	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

### Ambient conditions

Ambient temperature during operation	
• min.	0 °C
• max.	55 °C

### Dimensions

Width	72 mm; 4 WU
Height	90 mm
Depth	53 mm
<b>last modified:</b>	04/12/2019