



LOGO! DM16 24, EXP. MODULE PU/I/O: 24V DC/24V DC/TRANS.,  
8 DI/8 DO, 4TE FOR LOGO! 8

### Installation type/mounting

Mounting on 35 mm DIN rail, 4 spacing units wide

### Supply voltage

Rated value (DC)	Yes
• 24 V DC	
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	
• Type of input voltage	DC
• for signal "0"	< 5V DC
• for signal "1"	> 12V DC
Input current	
• for signal "0", max. (permissible quiescent current)	0.85 mA
• for signal "1", typ.	3.5 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
short-circuit protection	Yes

Controlling a digital input	Yes
<b>Output current</b>	
• for signal "1" rated value	0.3 A
<b>Parallel switching of 2 outputs</b>	
• for increased power	No
<b>Switching frequency</b>	
• with resistive load, max.	10 Hz
• with inductive load, max.	0.5 Hz
<b>EMC</b>	
Emission of radio interference acc. to EN 55 011	
• Limit class B, for use in residential areas	Yes
<b>Degree and class of protection</b>	
Degree of protection to EN 60529	
• IP20	Yes
<b>Standards, approvals, certificates</b>	
CSA approval	Yes
UL approval	Yes
FM approval	Yes
Developed in accordance with IEC 61131	Yes
according to VDE 0631	Yes
<b>Marine approval</b>	
• Marine approval	Yes
<b>Ambient conditions</b>	
Ambient temperature in operation	
• Min.	0 °C
• max.	55 °C
<b>Dimensions</b>	
Width	71.5 mm
Height	90 mm
Depth	58 mm
<b>last modified:</b>	20.04.2015