

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



### Installation type/mounting

Mounting	on 35 mm DIN rail, 4 spacing units wide
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### 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"	< 5 V DC
• for signal "1"	> 12 V DC
Input current	
• for signal "0", max. (permissible quiescent current)	0.85 mA
• for signal "1", typ.	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
<b>Digital outputs</b>	
Number of digital outputs	8
Short-circuit protection	Yes
<b>Output current</b>	
• for signal "1" rated value	0.3 A
<b>Parallel switching of two outputs</b>	
• for uprating	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 acc. to EN 60529	
• IP20	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
<b>Dimensions</b>	
Width	71.5 mm
Height	90 mm
Depth	58 mm
<b>last modified:</b>	09/05/2019