

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
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • Type of input voltage 	DC
<ul style="list-style-type: none"> • for signal "0" 	< 5 V DC
<ul style="list-style-type: none"> • for signal "1" 	> 12 V DC
Input current	
<ul style="list-style-type: none"> • for signal "0", max. (permissible quiescent current) 	0.85 mA
<ul style="list-style-type: none"> • 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
Output current	
• for signal "1" rated value	0.3 A
Parallel switching of two outputs	
• for uprating	No
Switching frequency	
• with resistive load, max.	10 Hz
• with inductive load, max.	0.5 Hz

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

CSA approval	Yes
UL approval	Yes
FM approval	Yes
developed in accordance with IEC 61131	Yes
according to VDE 0631	Yes
Marine approval	
• Marine approval	Yes

Ambient conditions

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

Dimensions

Width	71.5 mm
Height	90 mm
Depth	58 mm
last modified:	09/10/2016