



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

Installation type/mounting	
Mounting	on 35 mm DIN rail, 4 spacing units wide
Supply voltage	
24 V DC	Yes
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	
<ul style="list-style-type: none"> at "0" to "1", max. 	1.5 ms
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Lamp load, max. 	1 000 W
Output current	

• for signal "1" rated value	5 A
Parallel switching of 2 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	
• Emission of radio interference acc. to EN 55 011 (limit class B)	Yes
Degree and class of protection	
IP20	Yes
Standards, approvals, certificates	
CSA approval	Yes
UL approval	Yes
FM approval	Yes
developed in accordance with IEC 61131	Yes
acc. to VDE 0631	Yes
Marine approval	
• Marine approval	Yes
Ambient conditions	
Operating temperature	
• min.	0 °C
• max.	55 °C
Dimensions	
Width	71.5 mm
Height	90 mm
Depth	58 mm
last modified:	21.08.2014