



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

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	DC
<ul style="list-style-type: none"> • Type of input voltage • for signal "0" • for signal "1" 	<ul style="list-style-type: none"> < 5V DC > 12V DC

Input current	
<ul style="list-style-type: none"> • for signal "0", max. (permissible quiescent current) • for signal "1", typ. 	<ul style="list-style-type: none"> 0.85 mA 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; 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 2 outputs	
• for increased power	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 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 in operation	
• Min.	0 °C
• max.	55 °C
Dimensions	
Width	71.5 mm
Height	90 mm
Depth	58 mm
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