

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	
• 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.	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

- 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

Operating temperature

- Min. 0 °C
- max. 55 °C

Dimensions

Width	71.5 mm
Height	90 mm
Depth	58 mm
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