

LOGO! DM8 24R EXPANSION MODULE, PU/I/O: 24V/24V/RELAY, 2TE 4 DI/4 DO, AC/DC/NPN INPUT FOR LOGO! 8



Installation type/mounting	
Mounting	on 35 mm DIN rail, 2 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
24 V AC	Yes
Line frequency	
• permissible frequency range, upper limit	63 Hz
Digital inputs	
Number of digital inputs	4
Input voltage	
• Type of input voltage	AC/DC
Input current	
• for signal "0", max. (permissible quiescent current)	1.1 mA
• for signal "1", typ.	5.5 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.	15 ms

Digital outputs

Number of digital outputs	4; Relays
short-circuit protection	No
Controlling a digital input	Yes

Switching capacity of the outputs

• Lamp load, max.	1 000 W
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Output current

• for signal "1" rated value	5 A
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Parallel switching of 2 outputs

• for increased power	No
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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
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Degree and class of protection

Degree of protection to EN 60529

• IP20	Yes
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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
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Ambient conditions

Operating temperature

• Min.	0 °C
• max.	55 °C

Dimensions

Width	35.5 mm
Height	90 mm
Depth	58 mm

last modified:

25.10.2014