



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	
Rated value (DC)	
• 24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Rated value (AC)	
• 24 V AC	Yes
Line frequency	
• permissible range, upper limit	63 Hz
Digital inputs	
Number of digital inputs	4
Input voltage	
• Type of input voltage	AC/DC
• for signal "0"	< 5 V AC/DC
• for signal "1"	> 12 V 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	
• 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	35.5 mm
Height	90 mm

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Depth

58 mm

**last modified:**

20.04.2015