

LOGO! DM8 12/24R expansion module, PS/I/O: 12, 24V/12V/24V/relay, 2 MW, 4 DI/4 DO for LOGO! 8



Installation type/mounting	
Mounting	on 35 mm DIN rail, 2 spacing units wide
Supply voltage	
Rated value (DC)	
• 12 V DC	Yes
• 24 V DC	Yes
permissible range, lower limit (DC)	10.8 V
permissible range, upper limit (DC)	28.8 V
Digital inputs	
Number of digital inputs	4
Input voltage	
• Type of input voltage	DC
• for signal "0"	< 5 V DC
• for signal "1"	> 8.5 V
Input current	
• for signal "0", max. (permissible quiescent current)	0.88 mA
• for signal "1", typ.	1.5 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	4; Relays
Short-circuit protection	No
Controlling a digital input	Yes

Switching capacity of the outputs

• on lamp load, max.	1 000 W
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Output current

• for signal "1" rated value	5 A
• for signal "1" minimum load current	100 mA

Parallel switching of two outputs

• for uprating	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

Standards, approvals, certificates

CE mark	Yes
CSA approval	Yes
UL approval	Yes
FM approval	Yes
developed in accordance with IEC 61131	Yes
Marine approval	Yes

Ambient conditions

Ambient temperature during operation	
• min.	0 °C; ES03 and higher: -20 °C
• max.	55 °C

Dimensions

Width	35.5 mm
Height	90 mm

Depth

58 mm

last modified:

10/07/2020