

\*\*\* Spare part \*\*\* LOGO! DM8 12/24R expansion module, PS/I/O: 24 V/12 V/24 V/relay, 2 HP, 4 DI/4 DO



## 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) 0.05 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

### Switching capacity of the outputs

• on lamp load, max.	1 000 W
----------------------	---------

### Output current

• for signal "1" rated value	5 A
------------------------------	-----

### Parallel switching of two outputs

• for uprating	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 acc. to EN 60529	
• IP20	Yes

### Standards, approvals, certificates

CE mark	Yes
CSA approval	Yes
UL approval	Yes
FM approval	Yes
developed in accordance with IEC 61131	Yes
according to VDE 0631	Yes
Marine approval	Yes

### Ambient conditions

Ambient temperature during operation	
• min.	0 °C
• max.	55 °C

### Dimensions

Width	36 mm; 2 DU
Height	90 mm
Depth	55 mm
<b>last modified:</b>	08/14/2019