

LOGO! DM8 12/24R, EXP. MODULE PU/I/O: 12,
24V/12V/24V/RELAIS, 2TE, 4 DI/4 DO FOR LOGO! 8



| Installation type/mounting | |
|--|---|
| Mounting | on 35 mm DIN rail, 2 spacing units wide |
| Supply voltage | |
| 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 | |
| <ul style="list-style-type: none"> Type of input voltage for signal "0" | DC < 5 V DC |
| Input current | |
| <ul style="list-style-type: none"> for signal "0", max. (permissible quiescent current) for signal "1", typ. | 0.88 mA 4.2 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

- 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 |

Marine approval

- Marine approval Yes

Ambient conditions

Operating temperature

- Min. 0 °C
- max. 55 °C

Dimensions

| | |
|-----------------------|------------|
| Width | 35.5 mm |
| Height | 90 mm |
| Depth | 58 mm |
| last modified: | 07.11.2014 |