



LOGO! DM16 24R expansion module, PS//O: 24 V DC/24 V DC/relay, 8 DI/8 DO, 4 MW for LOGO! 8

| Installation type/mounting | |
|--|---|
| Mounting | on 35 mm DIN rail, 4 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 | No |
| Digital inputs | |
| Number of digital inputs | 8 |
| Input voltage | |
| • Type of input voltage | DC |
| • for signal "0" | < 5 V DC |
| • for signal "1" | > 12 V DC |
| Input current | |
| • for signal "0", max. (permissible quiescent current) | 0.85 mA |
| • for signal "1", typ. | 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 | 8; 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 |
| • for signal "1" minimum load current | 100 mA |
| 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

IP degree of protection

IP20

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; ES03 and higher: -20 °C

- max.

55 °C

Dimensions

Width

71.5 mm

Height

90 mm

Depth

58 mm

last modified:

9/7/2023 