



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 