

LOGO! DM16 24 expansion module, PS/I/O: 24 V DC/24 V DC/trans., 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) | Yes |
| <ul style="list-style-type: none"> • 24 V DC | |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |

Digital inputs

Number of digital inputs 8

Input voltage

- | | |
|---|-----------|
| <ul style="list-style-type: none"> • Type of input voltage | DC |
| <ul style="list-style-type: none"> • for signal "0" | < 5 V DC |
| <ul style="list-style-type: none"> • for signal "1" | > 12 V DC |

Input current

- | | |
|--|---------|
| <ul style="list-style-type: none"> • for signal "0", max. (permissible quiescent current) | 0.85 mA |
| <ul style="list-style-type: none"> • 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 |
| Short-circuit protection | Yes |
| Output current | |
| • for signal "1" rated value | 0.3 A |
| Parallel switching of two outputs | |
| • for uprating | No |
| Switching frequency | |
| • with resistive load, max. | 10 Hz |
| • with inductive load, max. | 0.5 Hz |

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; ES03 and higher: -20 °C |
| • max. | 55 °C |

Dimensions

| | |
|--------|---------|
| Width | 71.5 mm |
| Height | 90 mm |
| Depth | 58 mm |

last modified: 01/23/2020