

LOGO! DM8 24 expansion module, PS/I/O: 24V/24V/trans., 4 DI/4 DO for LOGO! 8



| Installation type/mounting                             |                                         |
|--------------------------------------------------------|-----------------------------------------|
| Mounting                                               | on 35 mm DIN rail, 2 spacing units wide |
| Supply voltage                                         |                                         |
| Rated value (DC)                                       | Yes                                     |
| • 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                               | 4                                       |
| 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) | 0.88 mA                                 |
| • for signal "1", typ.                                 | 2.1 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                        |
| <b>Digital outputs</b>                           |                               |
| Number of digital outputs                        | 4                             |
| Short-circuit protection                         | Yes                           |
| <b>Output current</b>                            |                               |
| • for signal "1" rated value                     | 0.3 A                         |
| <b>Parallel switching of two outputs</b>         |                               |
| • for uprating                                   | No                            |
| <b>Switching frequency</b>                       |                               |
| • with resistive load, max.                      | 10 Hz                         |
| • with inductive load, max.                      | 0.5 Hz                        |
| <b>EMC</b>                                       |                               |
| Emission of radio interference acc. to EN 55 011 |                               |
| • Limit class B, for use in residential areas    | Yes                           |
| <b>Degree and class of protection</b>            |                               |
| Degree of protection acc. to EN 60529            |                               |
| • IP20                                           | Yes                           |
| <b>Standards, approvals, certificates</b>        |                               |
| 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                           |
| <b>Ambient conditions</b>                        |                               |
| Ambient temperature during operation             |                               |
| • min.                                           | 0 °C; ES03 and higher: -20 °C |
| • max.                                           | 55 °C                         |
| <b>Dimensions</b>                                |                               |
| Width                                            | 35.5 mm                       |
| Height                                           | 90 mm                         |
| Depth                                            | 58 mm                         |
| <b>last modified:</b>                            | 02/13/2020                    |