



LOGO! DM8 230R, EXP. MODULE, PU/I/O: 230V/230V/RELAIS, 2TE, 4 DI/4 DO FOR LOGO! 8

| Installation type/mounting                             |   |
|--|---|
| Mounting   | on 35 mm DIN rail, 2 spacing units wide |
| Supply voltage   |   |
| 115 V DC   | Yes                                     |
| 230 V DC   | Yes                                     |
| permissible range, lower limit (DC)                    | 100 V                                   |
| permissible range, upper limit (DC)                    | 253 V                                   |
| 115 V AC   | Yes                                     |
| 230 V AC   | Yes                                     |
| Line frequency   |   |
| • permissible frequency range, upper limit             | 63 Hz                                   |
| Digital inputs   |   |
| Number of digital inputs                               | 4                                       |
| Input voltage  |   |
| • Type of input voltage                                | AC/DC                                   |
| • for signal "0"                                       | < 40 V AC; < 30 V DC                    |
| • for signal "1"                                       | > 79 V AC, > 79 V DC                    |
| Input current  |   |
| • for signal "0", max. (permissible quiescent current) | 0.06 mA                                 |
| • for signal "1", typ.                                 | 0.37 mA                                 |
| Input delay (for rated value of input voltage)         |   |
| for standard inputs                                    |   |
| — at "0" to "1", max.                                  | 40 ms                                   |
| — at "1" to "0", max.                                  | 75 ms                                   |
| Digital outputs  |   |
| Number of digital outputs                              | 4; Relays                               |

|  |                            |
|--|----------------------------|
| Short-circuit protection   | No                         |
| Controlling a digital input  | Yes                        |
| <b>Switching capacity of the outputs</b>                           |                            |
| • Lamp load, max.  | 1 000 W; 500 W at 115 V AC |
| <b>Output current</b>  |                            |
| • for signal "1" rated value                                       | 5 A                        |
| <b>Parallel switching of 2 outputs</b>                             |                            |
| • for uprating   | No                         |
| <b>Switching frequency</b>   |                            |
| • with resistive load, max.  | 2 Hz                       |
| • with inductive load, max.  | 0.5 Hz                     |
| • mechanical, max.   | 10 Hz                      |
| <b>Relay outputs</b>   |                            |
| <b>Switching capacity of contacts</b>                              |                            |
| — with inductive load, max.  | 3 A                        |
| — with resistive load, max.  | 5 A                        |
| <b>EMC</b>   |                            |
| <b>Emission of radio interference acc. to EN 55 011</b>            |                            |
| • Emission of radio interference acc. to EN 55 011 (limit class B) | Yes                        |
| <b>Degree and class of protection</b>                              |                            |
| IP20   | Yes                        |
| <b>Standards, approvals, certificates</b>                          |                            |
| CSA approval   | Yes                        |
| UL approval  | Yes                        |
| FM approval  | Yes                        |
| developed in accordance with IEC 61131                             | Yes                        |
| acc. to VDE 0631   | Yes                        |
| <b>Marine approval</b>   |                            |
| • Marine approval  | Yes                        |
| <b>Ambient conditions</b>  |                            |
| <b>Operating temperature</b>                                       |                            |
| • min.   | 0 °C                       |
| • max.   | 55 °C                      |
| <b>Dimensions</b>  |                            |
| Width  | 35.5 mm                    |

Height

90 mm

Depth

58 mm

**last modified:**

21.08.2014