



LOGO! DM16 230R, EXP. MODULE, PU/I/O: 230V/230V/RELAIS, 4TE, 8 DI/8 DO FOR LOGO! 8

Installation type/mounting

Mounting on 35 mm DIN rail, 4 spacing units wide

Supply voltage

Rated value (DC)

- | | |
|------------|-----|
| • 115 V DC | Yes |
| • 230 V DC | Yes |

permissible range, lower limit (DC)	100 V
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permissible range, upper limit (DC)	253 V
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Rated value (AC)

- | | |
|------------|-----|
| • 115 V AC | Yes |
| • 230 V AC | Yes |

Line frequency

- | | |
|----------------------------------|-------|
| • permissible range, upper limit | 63 Hz |
|----------------------------------|-------|

Digital inputs

Number of digital inputs	8
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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; 0.05 mA with AC, 0.06 mA with DC |
| • 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	8
short-circuit protection	No
Controlling a digital input	Yes

Switching capacity of the outputs	
• on lamp load, max.	1 000 W; 500 W at 115V AC

Output current	
• for signal "1" rated value	5 A

Parallel switching of 2 outputs	
• for increased power	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

Degree of protection to EN 60529	
• IP20	Yes

Standards, approvals, certificates

CSA approval	Yes
UL approval	Yes
FM approval	Yes
Developed in accordance with IEC 61131	Yes
according to VDE 0631	Yes
Marine approval	
• Marine approval	Yes

Ambient conditions

Ambient temperature in operation	
• Min.	0 °C
• max.	55 °C

Dimensions

Width	71.5 mm
Height	90 mm
Depth	58 mm
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