



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
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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
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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 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	
Degree of protection acc. 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 during operation	
• min.	0 °C
• max.	55 °C
Dimensions	

Width	71.5 mm
Height	90 mm
Depth	58 mm
last modified:	03.06.2015