

LOGO! DM8 230R, EXP. MODULE, PU//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
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Digital inputs

Number of digital inputs	4
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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
• 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
Switching capacity of the outputs	
• Lamp load, max.	1 000 W; 500 W at 115 V 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 according to VDE 0631	Yes
Marine approval	
• Marine approval	Yes

Ambient conditions

Operating temperature	
• Min.	0 °C

• max.

55 °C

Dimensions

Width	35.5 mm
Height	90 mm
Depth	58 mm
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