

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
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
<b>Input delay (for rated value of input voltage)</b>	
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 increased power	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>	
Switching capacity of contacts	
— with inductive load, max.	3 A
— with resistive load, max.	5 A

### EMC

<b>Emission of radio interference acc. to EN 55 011</b>	
• Limit class B, for use in residential areas	Yes

### Degree and class of protection

<b>Degree of protection to EN 60529</b>	
• 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
<b>Marine approval</b>	
• Marine approval	Yes

### Ambient conditions

<b>Operating temperature</b>	
• Min.	0 °C

• max.

55 °C

### Dimensions

Width	35.5 mm
Height	90 mm
Depth	58 mm
<b>last modified:</b>	14.10.2014