



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
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 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	
• Emission of radio interference acc. to EN 55 011 (limit class B)	Yes
Degree and class of protection	
IP20	Yes
Standards, approvals, certificates	
CSA approval	Yes
UL approval	Yes
FM approval	Yes
developed in accordance with IEC 61131	Yes
acc. 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

last modified:

21.08.2014