

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
permissible range, upper limit (DC)	253 V
Rated value (AC)	
• 115 V AC	Yes
• 230 V AC	Yes
Line frequency	
• permissible range, lower limit	47 Hz
• permissible range, upper limit	63 Hz
Digital inputs	
Number of digital inputs	8
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
<b>Input current</b>	
• for signal "0", max. (permissible quiescent current)	0.06 mA; 0.05 mA with AC, 0.06 mA with DC
• for signal "1", typ.	0.13 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
<b>Digital outputs</b>	
Number of digital outputs	8; Relays
Short-circuit protection	No
Controlling a digital input	Yes
<b>Switching capacity of the outputs</b>	
• on lamp load, max.	1 000 W; 500 W at 115V AC
<b>Output current</b>	
• for signal "1" rated value	5 A
• for signal "1" minimum load current	100 mA
<b>Parallel switching of two outputs</b>	
• for uprating	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>	
<b>Switching capacity of contacts</b>	
— with inductive load, max.	3 A
— with resistive load, max.	5 A
<b>EMC</b>	
<b>Emission of radio interference acc. to EN 55 011</b>	
• Limit class B, for use in residential areas	Yes
<b>Degree and class of protection</b>	
<b>Degree of protection acc. to EN 60529</b>	
• IP20	Yes
<b>Standards, approvals, certificates</b>	
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:	24.02.2016