

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	
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	4
Input voltage	
• Type of input voltage	AC/DC

<ul style="list-style-type: none"> • for signal "0" • for signal "1" 	<p>< 40 V AC; < 30 V DC</p> <p>> 79 V AC, > 79 V DC</p>
Input current	
<ul style="list-style-type: none"> • for signal "0", max. (permissible quiescent current) • for signal "1", typ. 	<p>0.06 mA; 0.05 mA with AC, 0.06 mA with DC</p> <p>0.13 mA</p>
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	
<ul style="list-style-type: none"> • on lamp load, max. 	1 000 W; 500 W at 115V AC
Output current	
<ul style="list-style-type: none"> • for signal "1" rated value • for signal "1" minimum load current 	<p>5 A</p> <p>100 mA</p>
Parallel switching of two outputs	
<ul style="list-style-type: none"> • for uprating 	No
Switching frequency	
<ul style="list-style-type: none"> • with resistive load, max. • with inductive load, max. • mechanical, max. 	<p>2 Hz</p> <p>0.5 Hz</p> <p>10 Hz</p>
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	
<ul style="list-style-type: none"> • Limit class B, for use in residential areas 	Yes
Degree and class of protection	
Degree of protection acc. to EN 60529	
<ul style="list-style-type: none"> • 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	35.5 mm
Height	90 mm
Depth	58 mm

last modified: 24.02.2016