

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

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	8
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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

<ul style="list-style-type: none"> • for signal "0", max. (permissible quiescent current) 	0.06 mA
<ul style="list-style-type: none"> • 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	8
short-circuit protection	No
Controlling a digital input	Yes

Switching capacity of the outputs

<ul style="list-style-type: none"> • Lamp load, max. 	1 000 W; 500 W at 115 V AC
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Output current

<ul style="list-style-type: none"> • for signal "1" rated value 	5 A
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Parallel switching of 2 outputs

<ul style="list-style-type: none"> • for increased power 	No
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Switching frequency

<ul style="list-style-type: none"> • with resistive load, max. 	2 Hz
<ul style="list-style-type: none"> • with inductive load, max. 	0.5 Hz
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • Limit class B, for use in residential areas 	Yes

Degree and class of protection

Degree of protection 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

<ul style="list-style-type: none"> • Marine approval 	Yes
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Ambient conditions

Operating temperature	
<ul style="list-style-type: none"> • Min. 	0 °C

• max.

55 °C

Dimensions

Width	71.5 mm
Height	90 mm
Depth	58 mm
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