

LOGO! DM8 24 EXPANSION MODULE, PU/I/O: 24V/24V/TRANS.,
4 DI/4 DO FOR LOGO! 8



Installation type/mounting

Mounting on 35 mm DIN rail, 2 spacing units wide

Supply voltage

24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V

Digital inputs

Number of digital inputs	4
Input voltage	
• Type of input voltage	DC
• for signal "0"	< 5 V DC
• for signal "1"	> 12 V DC

Input current	
• for signal "0", max. (permissible quiescent current)	0.88 mA
• for signal "1", typ.	4 mA

Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	1.5 ms

— at "1" to "0", max.

1.5 ms

Digital outputs

Number of digital outputs 4
short-circuit protection Yes

Output current

• for signal "1" rated value 0.3 A

Parallel switching of 2 outputs

• for increased power No

Switching frequency

• with resistive load, max. 10 Hz
• with inductive load, max. 0.5 Hz

Relay outputs

Switching capacity of contacts
— Thermal continuous current, max. 0.3 A

EMC

Emission of radio interference acc. to EN 55 011

• Limit class B, for use in residential areas Yes

Degree and class of protection

Degree of protection to EN 60529
• 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

Operating temperature
• Min. 0 °C
• max. 55 °C

Dimensions

Width 35.5 mm
Height 90 mm
Depth 58 mm
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