

LOGO! DM8 24 expansion module, PS/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

Rated value (DC)	Yes
<ul style="list-style-type: none"> • 24 V DC 	
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

<ul style="list-style-type: none"> • Type of input voltage 	DC
<ul style="list-style-type: none"> • for signal "0" 	< 5 V DC
<ul style="list-style-type: none"> • for signal "1" 	> 12 V DC

Input current

<ul style="list-style-type: none"> • for signal "0", max. (permissible quiescent current) 	0.88 mA
<ul style="list-style-type: none"> • for signal "1", typ. 	2.1 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 two outputs	
• for uprating	No
Switching frequency	
• with resistive load, max.	10 Hz
• with inductive load, max.	0.5 Hz

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 acc. to EN 60529	
• IP20	Yes

Standards, approvals, certificates

CE mark	Yes
CSA approval	Yes
UL approval	Yes
FM approval	Yes
developed in accordance with IEC 61131	Yes
according to VDE 0631	Yes
Marine approval	Yes

Ambient conditions

Ambient temperature during operation	
• min.	0 °C; ES03 and higher: -20 °C
• max.	55 °C

Dimensions

Width	35.5 mm
Height	90 mm
Depth	58 mm

last modified: 01/23/2020