

LOGO! DM8 24R EXPANSION MODULE, PU/I/O: 24V/24V/RELAY, 2TE 4 DI/4 DO, AC/DC/NPN INPUT 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
Rated value (AC)	Yes
<ul style="list-style-type: none"> • 24 V AC 	

Line frequency

<ul style="list-style-type: none"> • permissible range, lower limit 	47 Hz
<ul style="list-style-type: none"> • permissible range, upper limit 	63 Hz

Digital inputs

Number of digital inputs 4

Input voltage

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

Input current	
• for signal "0", max. (permissible quiescent current)	1.1 mA
• for signal "1", typ.	2.63 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.	15 ms
Digital outputs	
Number of digital outputs	4; Relays
Short-circuit protection	No
Controlling a digital input	Yes
Switching capacity of the outputs	
• on lamp load, max.	1 000 W
Output current	
• for signal "1" rated value	5 A
• for signal "1" minimum load current	100 mA
Parallel switching of two outputs	
• for uprating	No
Switching frequency	
• with resistive load, max.	2 Hz
• with inductive load, max.	0.5 Hz
• 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	
• 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	
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: 08/05/2016