



*** Spare part *** LOGO! DM8 24R expansion module, PS/I/O: 24 V/24 V/relay, 2TE 4 DI/4 DO, AC/DC/NPN Input

Installation type/mounting	
Mounting	on 35 mm DIN rail, 2 spacing units wide
Supply voltage	
Rated value (DC)	Yes
• 24 V DC	
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Rated value (AC)	Yes
• 24 V AC	
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
• for signal "0"	max. 5 V
• for signal "1"	min. 12 V
Input current	
• for signal "0", max. (permissible quiescent current)	1 mA
• for signal "1", typ.	2.5 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
Switching capacity of the outputs	
• on lamp load, max.	1 000 W
Output current	
• for signal "1" rated value	5 A
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

IP degree of protection

IP20

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

- max.

55 °C

Dimensions

Width

36 mm; 2 DU

Height

90 mm

Depth

55 mm

last modified:

3/12/2021 