

\*\*\* Spare part \*\*\* LOGO! DM8 230R expansion module, PS/I/O: 230 V/230 V/relay, 2 HP 4 DI/4 DO



## Installation type/mounting

Mounting on 35 mm DIN rail, 2 spacing units wide

## Supply voltage

Rated value (DC)

- 115 V DC Yes
- 230 V DC Yes

permissible range, lower limit (DC) 100 V

permissible range, upper limit (DC) 253 V

Rated value (AC)

- 115 V AC Yes
- 230 V AC Yes

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

Input current	
• for signal "0", max. (permissible quiescent current)	0.03 mA
• for signal "1", typ.	0.08 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	50 ms
— at "1" to "0", max.	125 ms
Digital outputs	
Number of digital outputs	4; Relays
Short-circuit protection	No
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	
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

• max.

55 °C

### Dimensions

Width 36 mm; 2 DU

Height 90 mm

Depth 55 mm

**last modified:** 03/03/2020