

## Data sheet

## 6ED1055-1MB00-0BA3



LOGO! DM8 12/24R expansion module, power supply / I/O: 12, 24 V/12 V/24 V/relay, 2 MW, 4 DI/4 DO for LOGO! 9

Installation type/mounting	
Mounting	on 35 mm DIN rail, 2 spacing units wide
Supply voltage	
Rated value (DC)	
• 12 V DC	Yes
• 24 V DC	Yes
permissible range, lower limit (DC)	10.8 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"	> 8.5 V
Input current	
• for signal "0", max. (permissible quiescent current)	0.88 mA
• for signal "1", typ.	1.5 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.	1.5 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**

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

Marine approval Yes

**Ecological footprint**

- environmental product declaration Yes

**Global warming potential**

- global warming potential, (total) [CO2 eq] 19.1 kg
- global warming potential, (during production) [CO2 eq] 2.9 kg
- global warming potential, (during operation) [CO2 eq] 16.45 kg
- global warming potential, (after end of life cycle) [CO2 eq] -0.24 kg

**Ambient conditions**

Ambient temperature during operation

- min. -20 °C; No condensation
- max. 55 °C

Ambient temperature during storage/transportation

- min. -40 °C
- max. 70 °C

Altitude during operation relating to sea level

- Ambient air temperature-barometric pressure-altitude Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m)

**Dimensions**

Width 35.5 mm; 2 modular widths (MW)

Height 90 mm

Depth 58 mm

**Classifications**

	Version	Classification
eClass	16	27-24-22-04
eClass	14	27-24-22-04
eClass	12	27-24-22-04
eClass	9.1	27-24-22-04
eClass	9	27-24-22-04
eClass	8	27-24-22-04
eClass	7.1	27-24-22-04
eClass	6	27-24-22-04
ETIM	10	EC001419
ETIM	9	EC001419
ETIM	8	EC001419
ETIM	7	EC001419

**Approvals / Certificates**

General Product Approval



[Manufacturer Declaration](#)

[China RoHS](#)



General Product Approval	EMV	For use in hazardous locations	Environment
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[CCC-Ex](#)



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## 6ED1055-1MB00-0BA3

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