

SIPLUS LOGO! DM8 24R -40...+70 °C based on 6ED1055-1HB00-0BA0

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; 22 V @ >55 °C
permissible range, upper limit (DC)	28.8 V; 27.5 V @ >55 °C
Rated value (AC)	Yes
<ul style="list-style-type: none"> • 24 V AC 	
Digital inputs	
Number of digital inputs	4
Input voltage	
<ul style="list-style-type: none"> • Type of input voltage 	AC/DC
Digital outputs	
Number of digital outputs	4; Relays
Short-circuit protection	No
Output current	
<ul style="list-style-type: none"> • for signal "1" rated value 	5 A
Relay outputs	
Switching capacity of contacts	
<ul style="list-style-type: none"> — with inductive load, max. 	3 A; 1 A per relay @ > 55 °C; 3 A per relay @ > 55 °C & < 15 s
<ul style="list-style-type: none"> — with resistive load, max. 	5 A; 3 A per relay @ > 55 °C; 5 A < 15 s; 10 A all 4 relays in total
EMC	
Emission of radio interference acc. to EN 55 011	
<ul style="list-style-type: none"> • Limit class B, for use in residential areas 	Yes
Degree and class of protection	
Degree of protection acc. to EN 60529	
<ul style="list-style-type: none"> • IP20 	Yes
Standards, approvals, certificates	
CSA approval	No
UL approval	Yes; File: E120869 // Tmax = 55 °C
FM approval	No
developed in accordance with IEC 61131	Yes

according to VDE 0631	Yes
Marine approval	No

Ambient conditions

Ambient temperature during operation

- min. -40 °C; = Tmin
- max. 70 °C; = Tmax; 55 °C @ UL/cUL use

Altitude during operation relating to sea level

- Installation altitude above sea level, max. 5 000 m
- Ambient air temperature-barometric pressure-altitude
Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)

Relative humidity

- With condensation, tested in accordance with IEC 60068-2-38, max. 100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state)

Resistance

Use in stationary industrial systems

- to biologically active substances according to EN 60721-3-3 Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
- to chemically active substances according to EN 60721-3-3 Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
- to mechanically active substances according to EN 60721-3-3 Yes; Class 3S4 incl. sand, dust, *

Use on ships/at sea

- to biologically active substances according to EN 60721-3-6 Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
- to chemically active substances according to EN 60721-3-6 Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
- to mechanically active substances according to EN 60721-3-6 Yes; Class 6S3 incl. sand, dust; *

from supply voltage 1L+

- Note regarding classification of environmental conditions acc. to EN 60721 * The supplied plug covers must remain in place over the unused interfaces during operation!

Dimensions

Width	36 mm; 2 DU
Height	90 mm
Depth	55 mm

last modified: 05/19/2018