

SIPLUS LOGO! DM8 24 -40...+70 °C based on 6ED1055-1CB00-0BA0



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
Digital inputs	
Number of digital inputs	4
Input voltage	
<ul style="list-style-type: none"> Type of input voltage 	DC
Digital outputs	
Number of digital outputs	4; Transistor
Short-circuit protection	Yes
Output current	
<ul style="list-style-type: none"> for signal "1" rated value 	0.3 A; 0.2 A @ > 55 °C; 0.3 A @ > 55 °C & < 15 s
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	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