

SIPLUS LOGO! DM16 24R -25 ... +70 DGR C BASED ON 6ED1055-1NB10-0BA0



Figure similar

Installation type/mounting	
Mounting	on 35 mm DIN rail, 4 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	8
Input voltage	
<ul style="list-style-type: none"> • Type of input voltage 	DC
<ul style="list-style-type: none"> • for signal "0" 	< 5 V DC
<ul style="list-style-type: none"> • for signal "1" 	> 12 V DC
Input current	
<ul style="list-style-type: none"> • for signal "0", max. (permissible quiescent current) 	1 mA

• for signal "1", typ.	2 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	8; Relays
Short-circuit protection	No
Controlling a digital input	Yes
Switching capacity of the outputs	
• on lamp load, max.	1 000 W; 500 W at 115V AC
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; 1 A per relay @ > 55 °C; 3 A per relay @ > 55 °C & < 15 s
— with resistive load, max.	5 A; 3 A per relay @ > 55 °C; 10 A per relay @ > 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	In application process
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.	-25 °C; = Tmin
• max.	70 °C; = Tmax; 55 °C @ UL/cUL use

Extended ambient conditions	
<ul style="list-style-type: none"> relative to ambient temperature-atmospheric pressure-installation altitude 	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity	
— With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; Relative humidity, incl. condensation / frost permitted (no commissioning under condensation conditions)
Resistance	
— against biologically active substances / conformity with EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— against chemically active substances / conformity with EN 60721-3-3	Yes; Class 3C4 incl. salt spray. The supplied connector covers must remain on the unused interfaces during operation!
— against mechanically active substances / conformity with EN 60721-3-3	Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Dimensions	
Width	72 mm; 4 WU
Height	90 mm
Depth	53 mm
last modified:	05/25/2017