

SIPLUS LOGO! 12/24RC -25 ... +70 DEGREES C INCL
CONFORMAL COATING BASED ON 6ED1052-1MD00-0BA6



Display

with display

Yes; The display is bright at temperatures below 0 °C and dark at temperatures over +55 °C. This procedure is self-reversing on returning to the standard temperature range (0 °C to +55 °C).

Installation type/mounting

Mounting

on 35 mm DIN rail, 4 spacing units wide

Supply voltage

Rated value (DC)

- 12 V DC
- 24 V DC

Yes

Yes

permissible range, lower limit (DC)

10.8 V; 11 V @ >55 °C

permissible range, upper limit (DC)

28.8 V; 27.5 V @ >55 °C

Time of day

Time switching clocks

- Number
- Power reserve

8

80 h

Digital inputs

Number of digital inputs	8; Of which 4 can be used in analog mode (0 to 10 V)
Digital outputs	
Number of digital outputs	4; Relays
Short-circuit protection	No; external fusing necessary
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.	10 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	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.	-25 °C; = Tmin
• max.	70 °C; = Tmax; 55 °C @ UL/cUL use
Extended ambient conditions	
• 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
Height	90 mm
Depth	55 mm
last modified:	05/23/2017