

Spare part SIPLUS LOGO! 12/24RC -25...+70°C with 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
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
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
— to mechanically 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); *
Yes; Class 6S3 incl. sand, dust; *

Remark

— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04

* The supplied plug covers must remain in place over the unused interfaces during operation!

Conformal coating

- Coatings for printed circuit board assemblies acc. to EN 61086
- Military testing according to MIL-I-46058C, Amendment 7

Yes; Class 2 for high reliability

Yes; Discoloration of coating possible during service life

Dimensions

Width	72 mm
Height	90 mm
Depth	55 mm

last modified: 10/09/2020