

SIPLUS LOGO! 24RCE -20 ... +60°C startup -20°C with conformal coating based on 6ED1052-1HB00-0BA8 . Logicmodule, Display PU/I/O: 24V AC/24V DC/Relay, 8 DI/4 DO; Mem. 400 Blocks, Expandable, Ethernet build in Web-Server, Datalog, Standard micro SD-Card for LOGO! SOFT Comfort V8 previous Project usabel

Display

with display

Yes; The legibility and response time of the display may be reduced or lengthened at temperatures outside 0 ... +55 °C. These effects are self-reversing on return to the normal temperature range of 0 ... +55 °C.

Installation type/mounting

Mounting

on 35 mm DIN rail, 4 spacing units wide

Supply voltage

Rated value (DC)

- 24 V DC

Yes

permissible range, lower limit (DC)

20.4 V

permissible range, upper limit (DC)

28.8 V

Rated value (AC)

- 24 V AC

Yes

Line frequency

- permissible range, lower limit
- permissible range, upper limit

47 Hz

63 Hz

Time of day

Time switching clocks

- Number
- Power reserve

190

480 h

Digital inputs

Number of digital inputs

8

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.
- with resistive load, max.

3 A

10 A

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	
CE mark	Yes
developed in accordance with IEC 61131	Yes
according to VDE 0631	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	-20 °C; = Tmin; Startup @ -20 °C
• max.	70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay or max. load 3 A per relay and half the number of DIs (no adjacent points)
• At cold restart, min.	0 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
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 (no commissioning in bedewed state), horizontal installation
Resistance	
Coolants and lubricants	
— Resistant to commercially available coolants and lubricants	Yes; Incl. diesel and oil droplets in the air
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 71.5 mm

Height 90 mm

Depth 60 mm

last modified: 05/19/2018