

SIPLUS LOGO! 24C -25...+70 °C with conformal coating based on 6ED1052-1CC01-0BA6 . logic module, Display PS/I/O: 24 V/24 V/24 V trans., 8 DI (4AI)/4DO, SP. 200 blocks, Real-time clock, modular expandable



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)

- 24 V DC

Yes

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

Time of day

Time switching clocks

- Number
- Power reserve

190

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; Transistor
Short-circuit protection	Yes; electrical (1 A)
Output current	
<ul style="list-style-type: none"> for signal "1" permissible range for 0 to 55 °C, max. 	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	
<ul style="list-style-type: none"> Limit class B, for use in residential areas 	Yes; Radio interference suppression according to EN55011, Limit Value Class B
Degree and class of protection	
Degree of protection acc. to EN 60529	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> min. max. 	-25 °C; = Tmin 70 °C; = Tmax; 55 °C @ UL/cUL use
Altitude during operation relating to sea level	
<ul style="list-style-type: none"> Installation altitude above sea level, max. Ambient air temperature-barometric pressure-altitude 	5 000 m 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	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> — to biologically active substances according to EN 60721-3-3 — to chemically active substances according to EN 60721-3-3 — to mechanically 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 Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 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	72 mm
Height	90 mm
Depth	55 mm
last modified:	05/18/2018