



Figure similar

SIPLUS LOGO! 24RCE based on 6ED1052-1HB08-0BA1 with conformal coating, -25...+60 °C, start up -20 °C, logic module, display power supply / I/O: 24 V AC/24 V DC/relay, 8 DI/4 DQ, memory 400 blocks, modularly expandable, Ethernet, integrated web server, data log, user-defined web pages, standard microSD card for LOGO! Soft Comfort V8.3 or higher older projects executable cloud connection in all LOGO! 8.3 basic units

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		47 Hz
• permissible range, upper limit		63 Hz
Time of day		
Time switching clocks		
• Number		400; Max. 400, function-specific
• Power reserve		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.		3 A
— with resistive load, max.		10 A
EMC		
Emission of radio interference acc. to EN 55 011		
• Limit class B, for use in residential areas		Yes; Radio interference suppression according to EN55011, Limit Value Class B
Standards, approvals, certificates		
CE mark		Yes
Ambient conditions		
Ambient temperature during operation		
• min.		-25 °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.	-20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)
<b>Ambient temperature during storage/transportation</b>	
• min.	-40 °C
• max.	70 °C
<b>Altitude during operation relating to sea level</b>	
• 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)
<b>Relative humidity</b>	
• With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation
<b>Resistance</b>	
<b>Coolants and lubricants</b>	
— Resistant to commercially available coolants and lubricants	Yes; Incl. diesel and oil droplets in the air
<b>Use in stationary industrial systems</b>	
— 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, *
<b>Use on ships/at sea</b>	
— 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 6C4 (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; *
<b>Usage in industrial process technology</b>	
— Against chemically active substances acc. to EN 60654-4	Yes; Class 3 (excluding trichlorethylene)
— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
<b>Remark</b>	
— 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!
<b>Conformal coating</b>	
• Coatings for printed circuit board assemblies acc. to EN 61086	Yes; Class 2 for high reliability
• Protection against fouling acc. to EN 60664-3	Yes; Type 1 protection
• Military testing according to MIL-I-46058C, Amendment 7	Yes; Discoloration of coating possible during service life
• Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal coating, Class A
<b>Dimensions</b>	
Width	71.5 mm
Height	90 mm
Depth	60 mm

last modified:

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