



Figure similar

SIPLUS LOGO! 12/24RCE based on 6ED1052-1MD08-0BA2 with conformal coating -25...+60 °C startup -20 °C . logic module display power supply / I/O: 12/ 24 V DC/relay, 8 DI (4 AI)/4 DO memory 400 blocks, modularly expandable, Ethernet integrated web server, data log user-defined web pages, standard microSD card for LOGO! Soft Comfort V8.4 or higher, older projects executable cloud connection, MQTT in all LOGO! 8.4 basic units

General information	
based on	<a href="#">6ED1052-1MD08-0BA2</a>
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 DIN rail 25 mm, 4 module spaces wide
Supply voltage	
Rated value (DC)	
• 12 V DC	Yes
• 24 V DC	Yes
permissible range, lower limit (DC)	10.8 V
permissible range, upper limit (DC)	28.8 V
Time of day	
Time switching clocks	
• Number	400; Max. 400, function-specific
• Power reserve	480 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
Output current	
• for signal "1" permissible range for 0 to 55 °C, max.	10 A
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
Ambient conditions	
Ambient temperature during operation	
• min.	-25 °C; = Tmin; Startup @ -20 °C
• max.	60 °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)

Ambient temperature during storage/transportation			
<ul style="list-style-type: none"><li>• min.</li><li>• max.</li></ul>	-40 °C 70 °C		
Altitude during operation relating to sea level			
<ul style="list-style-type: none"><li>• Installation altitude above sea level, max.</li><li>• Ambient air temperature-barometric pressure-altitude</li></ul>	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"><li>• With condensation, tested in accordance with IEC 60068-2-38, max.</li></ul>	100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation		
Resistance			
Coolants and lubricants			
<ul style="list-style-type: none"><li>— Resistant to commercially available coolants and lubricants</li></ul>	Yes; Incl. diesel and oil droplets in the air		
Use in stationary industrial systems			
<ul style="list-style-type: none"><li>— to biologically active substances according to EN 60721-3-3</li><li>— to chemically active substances according to EN 60721-3-3</li><li>— to mechanically active substances according to EN 60721-3-3</li></ul>	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			
<ul style="list-style-type: none"><li>— to biologically active substances according to EN 60721-3-6</li><li>— to chemically active substances according to EN 60721-3-6</li><li>— to mechanically active substances according to EN 60721-3-6</li></ul>	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6S3 incl. sand, dust; *		
Usage in industrial process technology			
<ul style="list-style-type: none"><li>— Against chemically active substances acc. to EN 60654-4</li><li>— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04</li></ul>	Yes; Class 3 (excluding trichlorethylene) 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)		
Remark			
<ul style="list-style-type: none"><li>— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li></ul>	* The supplied plug covers must remain in place over the unused interfaces during operation!		
Conformal coating			
<ul style="list-style-type: none"><li>• Coatings for printed circuit board assemblies acc. to EN 61086</li><li>• Protection against fouling acc. to EN 60664-3</li><li>• Military testing according to MIL-I-46058C, Amendment 7</li><li>• Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A</li></ul>	Yes; Class 2 for high reliability  Yes; Type 1 protection Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A		
Dimensions			
Width		71.5 mm	
Height		90 mm	
Depth		60 mm	
Classifications			
		Version	Classification
eClass		14	27-24-22-16
eClass		12	27-24-22-16
eClass		9.1	27-24-22-16
eClass		9	27-24-22-16
eClass		8	27-24-22-16
eClass		7.1	27-24-22-16
eClass		6	27-24-22-16
ETIM		9	EC001417
ETIM		8	EC001417
ETIM		7	EC001417
Approvals / Certificates			

[Miscellaneous](#)

[Manufacturer Declaration](#)



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