



Figure similar

SIPLUS LOGO! 24RCE based on 6ED1052-1HB08-0BA2 with conformal coating - 25...+60 °C startup -20 °C . logic module display power supply / I/O 24 V 24 V AC/DC/relay, 8 DI/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="#">6ED1052-1HB08-0BA2</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 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   |
| Ambient conditions                               |   |
| Ambient temperature during operation             |   |
| • min.   | -25 °C; = Tmin; Startup @ -20 °C  |

|   |   |                       |             |
|---|---|-----------------------|-------------|
| <ul style="list-style-type: none"> <li>• max.</li> </ul>  | 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)   |                       |             |
| <ul style="list-style-type: none"> <li>• At cold restart, min.</li> </ul>   | -20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)   |                       |             |
| <b>Ambient temperature during storage/transportation</b>  |   |                       |             |
| <ul style="list-style-type: none"> <li>• min.</li> </ul>  | -40 °C  |                       |             |
| <ul style="list-style-type: none"> <li>• max.</li> </ul>  | 70 °C   |                       |             |
| <b>Altitude during operation relating to sea level</b>  |   |                       |             |
| <ul style="list-style-type: none"> <li>• Installation altitude above sea level, max.</li> </ul>   | 5 000 m   |                       |             |
| <ul style="list-style-type: none"> <li>• Ambient air temperature-barometric pressure-altitude</li> </ul>  | 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>  |   |                       |             |
| <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   |                       |             |
| <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 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; *  |                       |             |
| <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>  |   |                       |             |
| <ul style="list-style-type: none"> <li>• Coatings for printed circuit board assemblies acc. to EN 61086</li> </ul>  | Yes; Class 2 for high reliability   |                       |             |
| <ul style="list-style-type: none"> <li>• Protection against fouling acc. to EN 60664-3</li> </ul>   | Yes; Type 1 protection  |                       |             |
| <ul style="list-style-type: none"> <li>• Military testing according to MIL-I-46058C, Amendment 7</li> </ul>   | Yes; Discoloration of coating possible during service life  |                       |             |
| <ul style="list-style-type: none"> <li>• Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A</li> </ul> | Yes; Conformal coating, Class A   |                       |             |
| <b>Dimensions</b>   |   |                       |             |
| Width   | 71.5 mm   |                       |             |
| Height  | 90 mm   |                       |             |
| Depth   | 60 mm   |                       |             |
| <b>Classifications</b>  |   |                       |             |
|   | <b>Version</b>  | <b>Classification</b> |             |
|   | 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   | 10 | EC001417    |
| ETIM   | 9  | EC001417    |
| ETIM   | 8  | EC001417    |
| ETIM   | 7  | EC001417    |

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[China RoHS](#)

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