



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

| General information                              |   |
|--|---|
| based on   | <a href="#">6ED1052-1HB08-0BA1</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   |
| Standards, approvals, certificates               |   |
| CE mark  | Yes   |
| Ambient conditions                               |   |
| Ambient temperature during operation             |   |
| • min.   | -25 °C; = Tmin: Startup @ -20 °C  |

|   |   |         |                |
|---|---|---------|----------------|
| <ul style="list-style-type: none"><li>• max.</li></ul>  | 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)   |         |                |
| <ul style="list-style-type: none"><li>• At cold restart, min.</li></ul>   | -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></ul>  | -40 °C  |         |                |
| <ul style="list-style-type: none"><li>• max.</li></ul>  | 70 °C   |         |                |
| Altitude during operation relating to sea level   |   |         |                |
| <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) |         |                |
| 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></ul>   | Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  |         |                |
| <ul style="list-style-type: none"><li>— to chemically active substances according to EN 60721-3-3</li></ul>   | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  |         |                |
| <ul style="list-style-type: none"><li>— to mechanically active substances according to EN 60721-3-3</li></ul>   | 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></ul>   | Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request   |         |                |
| <ul style="list-style-type: none"><li>— to chemically active substances according to EN 60721-3-6</li></ul>   | Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  |         |                |
| <ul style="list-style-type: none"><li>— to mechanically active substances according to EN 60721-3-6</li></ul>   | 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></ul>   | Yes; Class 3 (excluding trichlorethylene)   |         |                |
| <ul style="list-style-type: none"><li>— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04</li></ul>                            | 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></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   |         |                |
| 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    |
| IDEA   | 4  | 3565        |
| UNSPSC | 15 | 32-15-17-05 |

| Approvals / Certificates |     |
|--------------------------|-----|
| General Product Approval | EMV |

[Miscellaneous](#)

[Manufacturer Declaration](#)



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