



Figure similar

SIPLUS LOGO! 24RCEO (AC) based on 6ED1052-2HB08-0BA2 with conformal coating -40...+70 °C startup -25 °C . logic module power supply / I/O: DC 24 V DC/24 V AC/relay, 8 DI/4 DO without display, 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="#">6ED1052-2HB08-0BA2</a>                                                                                            |
| Display                                          |                                                                                                                               |
| with display                                     | No                                                                                                                            |
| 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.                                           | -40 °C; = Tmin; Startup @ -25 °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.                          | -25 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)                                 |

|                                                                                                                         |                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature during storage/transportation                                                                       |                                                                                                                                                                                                                 |
| • min.                                                                                                                  | -40 °C                                                                                                                                                                                                          |
| • max.                                                                                                                  | 70 °C                                                                                                                                                                                                           |
| Altitude during operation relating to sea level                                                                         |                                                                                                                                                                                                                 |
| • 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) |
| Relative humidity                                                                                                       |                                                                                                                                                                                                                 |
| • With condensation, tested in accordance with IEC 60068-2-38, max.                                                     | 100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation                                                                                                               |
| Resistance                                                                                                              |                                                                                                                                                                                                                 |
| Coolants and lubricants                                                                                                 |                                                                                                                                                                                                                 |
| — Resistant to commercially available coolants and lubricants                                                           | Yes; Incl. diesel and oil droplets in the air                                                                                                                                                                   |
| Use in stationary industrial systems                                                                                    |                                                                                                                                                                                                                 |
| — 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, *                                                                                                                                                                              |
| 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; *                                                                                                                                                                              |
| Usage in industrial process technology                                                                                  |                                                                                                                                                                                                                 |
| — 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)                             |
| Remark                                                                                                                  |                                                                                                                                                                                                                 |
| — 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!                                                                                                                    |
| Conformal coating                                                                                                       |                                                                                                                                                                                                                 |
| • 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                                                                                                                                                                                 |
| Dimensions                                                                                                              |                                                                                                                                                                                                                 |
| Width                                                                                                                   | 71.5 mm                                                                                                                                                                                                         |
| Height                                                                                                                  | 90 mm                                                                                                                                                                                                           |
| Depth                                                                                                                   | 58 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   | 10      | EC001417       |
| ETIM   | 9       | EC001417       |
| ETIM   | 8       | EC001417       |
| ETIM   | 7       | EC001417       |

[Manufacturer Declaration](#)



[China RoHS](#)

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