

SIPLUS ET 200SP -40...+70°C with conformal coating based on 6ES7193-6BP20-0BB0. BaseUnit BU20-P12+A4+0B, BU type B0, Push-in terminals, with 4 AUX terminals, bridged to the left, WxH: 20 mmx117 mm



Figure similar

| General information                      |                                           |
|------------------------------------------|-------------------------------------------|
| Product type designation                 | BU type B0                                |
| Supply voltage                           |                                           |
| Rated value (DC)                         | 24 V                                      |
| Rated value (AC)                         | 230 V; 110 V                              |
| Current carrying capacity                |                                           |
| up to 60 °C, max.                        | 10 A                                      |
| Potential separation                     |                                           |
| between backplane bus and supply voltage | Yes                                       |
| Isolation                                |                                           |
| Isolation tested with                    | 3 250 V DC                                |
| Ambient conditions                       |                                           |
| Ambient temperature during operation     |                                           |
| • horizontal installation, min.          | -40 °C; = Tmin (incl. condensation/frost) |
| • horizontal installation, max.          | 70 °C; = Tmax                             |

|                                                                                                             |                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • vertical installation, min.                                                                               | -40 °C                                                                                                                                                                              |
| • vertical installation, max.                                                                               | 50 °C                                                                                                                                                                               |
| <b>Altitude during operation relating to sea level</b>                                                      |                                                                                                                                                                                     |
| • Installation altitude above sea level, max.                                                               | 3 000 m                                                                                                                                                                             |
| • Ambient air temperature-barometric pressure-altitude                                                      | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... Tmax -5K) at 795 hPa ... 701 hPa (+2 000 m ... +3 000 m)                                                 |
| <b>Relative humidity</b>                                                                                    |                                                                                                                                                                                     |
| • With condensation, tested in accordance with IEC 60068-2-38, max.                                         | 100 %; RH incl. condensation/frost (no commissioning under condensation conditions)                                                                                                 |
| <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, *                                                                                                                                                  |
| — Against mechanical environmental conditions acc. to EN 60721-3-3                                          | Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)                                                                                                          |
| <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; *                                                                                                                                                  |
| — Against mechanical environmental conditions acc. to EN 60721-3-6                                          | Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)                                                                                                          |
| <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 availability                                                                                                                                                  |

- Protection against fouling acc. to EN 60664-3
- Military testing according to MIL-I-46058C, Amendment 7
- Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A

Yes; Type 1 protection

Yes; Discoloration of coating possible during service life

Yes; Conformal coating, Class A

#### Dimensions

|        |        |
|--------|--------|
| Width  | 20 mm  |
| Height | 117 mm |
| Depth  | 35 mm  |

#### Weights

|                 |      |
|-----------------|------|
| Weight, approx. | 48 g |
|-----------------|------|

**last modified:** 03/31/2020