

SIPLUS ET 200SP -40...+60°C start up -25°C with conformal coating  
based on 6ES7193-6AP00-0AA0 . Bus Adapter BA 2xSCRJ, 2 SCRJ  
FO connections, for PROFINET



### General information

|                          |           |
|--------------------------|-----------|
| Product type designation | BA 2xSCRJ |
|--------------------------|-----------|

### Interfaces

|                               |                             |
|-------------------------------|-----------------------------|
| Number of PROFINET interfaces | 1; 2 ports (switch) SCRJ FO |
|-------------------------------|-----------------------------|

#### Supports protocol for PROFINET IO

|                        |   |
|------------------------|---|
| • Number of SCRJ ports | 2 |
|------------------------|---|

#### Cable length

|                     |       |
|---------------------|-------|
| — PCF               | 100 m |
| — Plastic FOC (POF) | 50 m  |
| — PCF-GI            | 250 m |

### Ambient conditions

#### Ambient temperature during operation

|        |                                                              |
|--------|--------------------------------------------------------------|
| • min. | -40 °C; = Tmin (incl. condensation/frost); start-up @ -25 °C |
| • max. | 60 °C; = Tmax                                                |

#### Altitude during operation relating to sea level

|                                               |         |
|-----------------------------------------------|---------|
| • Installation altitude above sea level, max. | 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 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>                                                                                              |                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>• Coatings for printed circuit board assemblies acc. to EN 61086</li> </ul>    | Yes                                                                                                                                                                                                              |
| <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                                                                                                                                                       |

- Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A

Yes; Conformal coating, Class A

#### Dimensions

|        |         |
|--------|---------|
| Width  | 20 mm   |
| Height | 69.5 mm |
| Depth  | 59 mm   |

#### Weights

|                 |      |
|-----------------|------|
| Weight, approx. | 50 g |
|-----------------|------|

**last modified:** 05/09/2020