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## Data sheet 6AG1193-6BP00-7DA0



Figure similar

SIPLUS ET 200SP BU15-P16+A0+2D based on 6ES7193-6BP00-0DA0 with conformal coating, -40…+70 °C, BU type A0, push-in terminals, without AUX terminals, new load group, WxH: 15 mm x 117 mm,

| | |
|---|---|
| **General information** | |
| Product type designation | BU type A0 |
| based on | 6ES7193-6BP00-0DA0 |
| **Supply voltage** | |
| Rated value (DC) | 24 V |
| external protection for power supply lines | Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic |
| Mains filter | |
| ● integrated | Yes |
| **Current carrying capacity** | |
| For P1 and P2 bus, max. | 10 A |
| For process terminals, max. | 2 A |
| **Hardware configuration** | |
| Slots | |
| ● Number of slots | 1 |
| **Potential separation** | |
| between the potential groups | Yes |
| **Isolation** | |
| Isolation tested with | 707 V DC (type test) |
| **Standards, approvals, certificates** | |
| Ecological footprint | |
| ● environmental product declaration | Yes |
| Global warming potential | |
| — global warming potential, (total) [CO2 eq] | 0.873 kg |
| — global warming potential, (during production) [CO2 eq] | 0.866 kg |
| — global warming potential, (during operation) [CO2 eq] | 0 kg |
| — global warming potential, (after end of life cycle) [CO2 eq] | -0.0011 kg |
| **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; = Tmin |
| ● vertical installation, max. | 50 °C; = Tmax |
| 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 |


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| | |
|---|---|
| | - 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, * |
| — Against mechanical environmental conditions acc. to EN 60721-3-3 | Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0) |
| 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; * |
| — Against mechanical environmental conditions acc. to EN 60721-3-6 | Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0) |
| 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 |
| **Accessories** | |
| Color coding labels | |
| ● for process terminals | CC00 to CC09 |
| ● for AUX terminals | does not exist |
| ● for add-on terminals | does not exist |
| **Connection method** | |
| Terminals | |
| ● Terminal type | Push-in terminal |
| ● system-integrated shield connection | Yes; Optional |
| ● Conductor cross-section, min. | 0.14 mm²; AWG 26 |
| ● Conductor cross-section, max. | 2.5 mm²; AWG 14 |
| ● Number of process terminals to I/O module | 16 |
| ● Number of terminals to AUX bus | 0 |
| ● Number of add-on terminals | 0 |
| ● Number of terminals with connection to P1 and P2 bus | 2 |
| **Dimensions** | |
| Width | 15 mm |
| Height | 117 mm |
| Depth | 35 mm |


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## Weights

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|---|---|
| Weight, approx. | 40 g |

## Classifications

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-26-03 |
| eClass | 14 | 27-24-26-03 |
| eClass | 12 | 27-24-26-03 |
| eClass | 9.1 | 27-24-26-03 |
| eClass | 9 | 27-24-26-03 |
| eClass | 8 | 27-24-26-03 |
| eClass | 7.1 | 27-24-26-03 |
| eClass | 6 | 27-24-26-03 |
| ETIM | 10 | EC001598 |
| ETIM | 9 | EC001598 |
| ETIM | 8 | EC001598 |
| ETIM | 7 | EC001598 |
| IDEA | 4 | 3560 |
| UNSPSC | 15 | 32-15-17-04 |

## Approvals / Certificates

### General Product Approval

Manufacturer Declaration

China RoHS

### General Product Approval | EMV | For use in hazardous locations | Maritime application

China RoHS

CCC-Ex

### Maritime application | Environment


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