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## Data sheet 6AG1593-0AB00-7AA0

SIPLUS S7-1500 cooling fan 210 mm with conformal coating 0...+70 °C suitable for the following CPUs: SIPLUS S7-1500 CPU 1517H-3 (6AG1517-3HP00-4AB0); SIPLUS S7-1500 CPU 1518HF (6AG1518-4JP00-4AB0)



| | |
|---|---|
| **Supply voltage** | |
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 27.7 V |
| Reverse polarity protection | Yes |
| **Input current** | |
| Current consumption (rated value) | 0.05 A |
| Current consumption, max. | 0.07 A |
| Inrush current, max. | 0.17 A |
| **Power loss** | |
| Power loss, typ. | 1.7 W |
| **Digital outputs** | |
| Current-sourcing | Yes |
| Controlling a digital input | Yes; digital input according to IEC 61131, type 3 |
| Parallel switching of two outputs | |
| ● for logic links | No |
| ● for uprating | No |
| ● for redundant control of a load | No |
| Cable length | |
| ● unshielded, max. | 3 m |
| **Interrupts/diagnostics/status information** | |
| Alarms | Yes; red LED warning indicator switches on at standstill or low fan speed |
| Diagnostics function | Yes; digital output OK |
| **Degree and class of protection** | |
| IP degree of protection | 20 |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | 0 °C; = Tmin |
| ● max. | 70 °C; = Tmax |
| 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 | |


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| | |
|---|---|
| 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 | No |
| Use on ships/at sea | |
| — to biologically active substances according to EN 60721-3-6 | No |
| — to chemically active substances according to EN 60721-3-6 | No |
| — to mechanically active substances according to EN 60721-3-6 | No |
| 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) |
| **connection method** | |
| Connection I/O signals | |
| ● Connection method | Push-in terminal |
| ● Number of lines per connection | 1 |
| Conductor cross-section in mm² | |
| — Connectable cable cross-sections for massive cables, min. | 0.25 mm² |
| — Connectable cable cross-sections for massive cables, min. | 1.5 mm² |
| — Connectable cable cross-sections for flexible cables without end sleeve, min. | 0.25 mm² |
| — Connectable cable cross-sections for flexible cables without end sleeve, max. | 1.5 mm² |
| — Connectable cable cross-sections for flexible cables with end sleeve, min. | 0.25 mm² |
| — Connectable cable cross-sections for flexible cables with end sleeve, max. | 1.5 mm² |
| Conductor cross-section acc. to AWG | |
| — Connectable cable cross-sections for massive cables, min. | 24 |
| — Connectable cable cross-sections for massive cables, min. | 16 |
| — Connectable cable cross-sections for flexible cables without end sleeve, min. | 24 |
| — Connectable cable cross-sections for flexible cables without end sleeve, max. | 16 |
| — Connectable cable cross-sections for flexible cables with end sleeve, min. | 24 |
| — Connectable cable cross-sections for flexible cables with end sleeve, max. | 16 |
| Wire end processing | |
| — Stripped length of cables, min. | 10 mm |
| — End sleeve acc. to DIN 46228 without plastic sleeve | 7 mm long |
| — End sleeve acc. to DIN 46228 with plastic sleeve | 8 mm long |
| Mounting | |
| — Tightening torque, min. | 0.3 N·m; screw interlock |
| — Tightening torque, max. | 0.3 N·m; screw interlock |
| **Dimensions** | |
| Width | 210 mm |
| Height | 54 mm |
| Depth | 119 mm |
| **Weights** | |
| Weight, approx. | 235 g |
| **Classifications** | |

| | Version | Classification |
|---|---|---|
| eClass | 14 | 27-24-22-92 |


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| | | |
|---|---|---|
| eClass | 12 | 27-24-22-92 |
| eClass | 9.1 | 27-24-22-92 |
| eClass | 9 | 27-24-22-92 |
| eClass | 8 | 27-24-92-90 |
| eClass | 7.1 | 27-24-92-90 |
| eClass | 6 | 27-24-92-90 |
| ETIM | 10 | EC002584 |
| ETIM | 9 | EC002584 |
| ETIM | 8 | EC002584 |
| ETIM | 7 | EC002584 |

## Approvals / Certificates

### General Product Approval







China RoHS

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