



Figure similar

SIPLUS S7-1500 PS 1507 60W 120/AC 230V/DC based on 6ES7507-0RA00-0AB0 with conformal coating, -40...+70 °C, start up -25 °C, system power supply supplies the backplane bus of the S7-1500 with operating voltage

| General information | |
|---|---|
| Product type designation | PS 60 W 120/230 V AC/DC |
| based on | 6ES7507-0RA00-0AB0 |
| Engineering with | |
| <ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated from version | see entry ID: 109746275 |
| Supply voltage | |
| Rated value (DC) | 120 V / 230 V |
| permissible range, lower limit (DC) | 88 V |
| permissible range, upper limit (DC) | 300 V |
| Rated value (AC) | 120 V / 230 V |
| permissible range, lower limit (AC) | 85 V |
| permissible range, upper limit (AC) | 264 V |
| Short-circuit protection | Yes |
| Line frequency | |
| <ul style="list-style-type: none"> Rated value 50 Hz permissible range, lower limit permissible range, upper limit | Yes 47 Hz 63 Hz |
| Mains buffering | |
| <ul style="list-style-type: none"> Mains/voltage failure stored energy time | 20 ms |
| Input current | |
| Rated value at 120 V DC | 0.6 A |
| Rated value at 230 V DC | 0.3 A |
| Rated value at 120 V AC | 0.6 A |
| Rated value at 230 V AC | 0.34 A |
| Power | |
| Infeed power to the backplane bus | 60 W; > +60 °C max. power input 30 W |
| Power loss | |
| Power loss at nominal rating conditions | 12 W |
| Interrupts/diagnostics/status information | |
| Status indicator | Yes |
| Potential separation | |
| primary/secondary | Yes |
| Isolation | |
| Isolation tested with | 2 500 V DC/2 s (routine test) |
| EMC | |
| Interference immunity against voltage surge | |
| <ul style="list-style-type: none"> Interference immunity on supply lines acc. to IEC 61000-4-5 | Yes; ±1 kV (acc. to IEC 61000-4-5; 1995; surge symm.), ±2 kV (acc. to IEC 61000-4-5; 1995; surge asymm.), no external protective circuit required |

| Degree and class of protection | | |
|---|---|-----------------------|
| IP degree of protection | IP20 | |
| Equipment protection class | I, with protective conductor | |
| Ambient conditions | | |
| Ambient temperature during operation | | |
| • min. | -40 °C; = Tmin (incl. condensation/frost); start-up @ -25 °C | |
| • max. | 70 °C; = Tmax; for vertical mounting position Tmax = +40 °C | |
| Ambient temperature during storage/transportation | | |
| • min. | -40 °C | |
| • max. | 70 °C | |
| Altitude during operation relating to sea level | | |
| • Installation altitude above sea level, max. | 2 000 m | |
| • Ambient air temperature-barometric pressure-altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) | |
| Relative humidity | | |
| • With condensation, tested in accordance with IEC 60068-2-38, max. | 100 %; RH incl. condensation/frost (no commissioning under condensation conditions) | |
| 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 | 70 mm | |
| Height | 147 mm | |
| Depth | 129 mm | |
| Weights | | |
| Weight, approx. | 600 g | |
| Classifications | | |
| | Version | Classification |
| eClass | 14 | 27-24-22-09 |
| eClass | 12 | 27-24-22-09 |

| | | |
|--------|-----|-------------|
| eClass | 9.1 | 27-24-22-09 |
| eClass | 9 | 27-24-22-09 |
| eClass | 8 | 27-24-22-09 |
| eClass | 7.1 | 27-24-22-09 |
| eClass | 6 | 27-24-22-09 |
| ETIM | 10 | EC000599 |
| ETIM | 9 | EC000599 |
| ETIM | 8 | EC000599 |
| ETIM | 7 | EC000599 |
| IDEA | 4 | 3575 |
| UNSPSC | 15 | 32-15-17-06 |

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[China RoHS](#)



General Product Approval

EMV

Maritime application

[China RoHS](#)



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