



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  | <a href="#">6ES7507-0RA00-0AB0</a>  |
| Engineering with  |   |
| <ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>  | 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"> <li>Rated value 50 Hz</li> <li>permissible range, lower limit</li> <li>permissible range, upper limit</li> </ul> | Yes<br>47 Hz<br>63 Hz   |
| Mains buffering   |   |
| <ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>  | 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"> <li>Interference immunity on supply lines acc. to IEC 61000-4-5</li> </ul>                                       | 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   |   |                       |
|   | <b>Version</b>  | <b>Classification</b> |
| 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**

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