

SIPLUS S7-1500, SYSTEM POWER SUPPLY PS 60W 120/230V AC/DC, SUPPLIES THE OPERATING VOLTAGE FOR THE S7-1500 VIA THE BACKPLANE BUS -25 ... +70 DEGREE C WITH CONFORMAL COATING BASED ON 6ES7507-0RA00-0AB0



Figure similar

General information	
Product type designation	PS 60W 120/230V AC/DC
HW functional status	E01
Firmware version	V1.0.0
Engineering with	
• STEP 7 TIA Portal configurable/integrated as of version	V12 / V12
• STEP 7 configurable/integrated as of version	V5.5 / -
• PROFIBUS as of GSD version/GSD revision	- / -
Redundancy	
• Redundancy capability	Yes
— for uprating	Yes
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	
• Rated value 50 Hz	Yes
Mains buffering	
• 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	
• on the 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	
Degree of protection acc. to EN 60529	IP20
Protection class	1; with protective conductor
Ambient conditions	
Ambient temperature during operation	
• min.	-40 °C; = Tmin; Startup @ -25 °C
• max.	70 °C; = Tmax; for vertical mounting position Tmax = +40 °C
Extended ambient conditions	
• relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 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	
— against biologically active substances / conformity with EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation!
— against chemically active substances / conformity with EN 60721-3-3	Yes; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
— against mechanically active substances / conformity with EN 60721-3-3	Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!

Dimensions	
Width	70 mm
Height	147 mm
Depth	129 mm

Weights	
Weight, approx.	600 g

last modified: 10/28/2016