



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

General information

Hardware product version	E01
Firmware version	V1.0.0

Engineering with

STEP 7 TIA Portal can be configured/integrated as of version	V12 / V12
STEP 7 can be configured/integrated as of version	V5.5 / -
PROFIBUS as of GSD version/GSD revision	- / -

FH technology

Redundancy

Redundancy capability	Yes
for increased power	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 buffering 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 losses	
Power loss at nominal rating conditions	12 W
Interrupts/diagnostics/status information	
Status indicator	Yes
Galvanic isolation	
primary/secondary	Yes
EMC	
Surge immunity	
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 to EN 60529	IP20
Protection class	1 ; with protective conductor
Ambient conditions	
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, maximum	100 % ; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
to 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!
to 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!

to 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!
Mechanical and climatic conditions during operation		
Climatic conditions in operation		
Temperature		
Min.		-25 °C ; = Tmin
max.		70 °C ; = Tmax; for vertical mounting position Tmax = +40 °C
Dimensions		
Width		70 mm
Height		147 mm
Depth		129 mm
Weights		
Weight, approx.		600 g
Status		May 23, 2014