



SIPLUS S7-1500 PS 1505 25W 24VD -25 ... +70 DEGEES C WITH CONFORMAL COATING BASED ON 6ES7505-0KA00-0AB0 . SYSTEM POWER SUPPLY SUPPLIES THE OPERATING VOLTAGE THE S7-1500 VIA THE BACKPLANE B

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 SP3 or higher
FH technology	
Redundancy	
Redundancy capability	Yes
for increased power	Yes
Supply voltage	
Rated value (DC)	24 V ; SELV
permissible range, lower limit (DC)	Static 19.2 V, dynamic 18.5 V
permissible range, upper limit (DC)	Static 28.8 V, dynamic 30.2 V
Reverse polarity protection	Yes
Short-circuit protection	Yes
Mains buffering	
Mains buffering time	20 ms

<b>Output current</b>	
<b>short-circuit protection</b>	Yes
<b>Power</b>	
<b>Infeed power to the backplane bus</b>	25 W ; > +60 °C max. power input 12.5 W
<b>Power losses</b>	
<b>Power loss at nominal rating conditions</b>	6.2 W
<b>Interrupts/diagnostics/status information</b>	
<b>Status indicator</b>	Yes
<b>Galvanic isolation</b>	
<b>primary/secondary</b>	Yes ; Electrical isolation for max. 60 V AC/75 V DC (base isolation)
<b>EMC</b>	
<b>Surge immunity</b>	
<b>on the supply lines acc. to IEC 61000-4-5</b>	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
<b>Degree and class of protection</b>	
<b>Degree of protection to EN 60529</b>	IP20
<b>Protection class</b>	3 ; with protective conductor
<b>Ambient conditions</b>	
<b>Extended ambient conditions</b>	
<b>Relative to ambient temperature-atmospheric pressure-installation altitude</b>	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
<b>Relative humidity</b>	
<b>With condensation, tested in accordance with IEC 60068-2-38, maximum</b>	100 % ; RH incl. condensation/frost (no commissioning under condensation conditions)
<b>Resistance</b>	
<b>to biologically active substances/conformity with EN 60721-3-3</b>	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!
<b>to chemically active substances/conformity with EN 60721-3-3</b>	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!
<b>to mechanically active substances/conformity with EN 60721-3-3</b>	Yes ; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
<b>Mechanical and climatic conditions during operation</b>	
<b>Climatic conditions in operation</b>	
<b>Temperature</b>	
<b>Min.</b>	-25 °C ; = Tmin
<b>max.</b>	70 °C ; = Tmax; for vertical mounting position Tmax = +40 °C
<b>Dimensions</b>	

<b>Width</b>	35 mm
<b>Height</b>	147 mm
<b>Depth</b>	129 mm
<b>Weights</b>	
<b>Weight, approx.</b>	350 g
Status	May 23, 2014