



SIMATIC S7-1500,
SYSTEM POWER SUPPLY PS 25W 24V DC,
SUPPLIES THE OPERATING VOLTAGE FOR THE S7-1500
VIA THE BACKPLANE BUS

General information	
Hardware product version	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 SP3 or higher
FH technology	
Redundancy	
Redundancy capability	Yes
for uprating	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

Output current	
Short-circuit protection	Yes
Power	
Infeed power to the backplane bus	25 W
Power loss	
Power loss at nominal rating conditions	6.2 W
Interrupts/diagnostics/status information	
Status indicator	Yes
Galvanic isolation	
primary/secondary	Yes ; Electrical isolation for max. 60 V AC/75 V DC (base isolation)
Isolation	
Isolation tested with	707 V DC (type 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	3 ; with protective conductor
Dimensions	
Width	35 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	350 g
Status	Jul 14, 2014