

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



General information	
Product type designation	PS 25W 24VDC
HW functional status	E01
Firmware version	V1.0.0
Engineering with	
<ul style="list-style-type: none"> • STEP 7 TIA Portal configurable/integrated as of version 	V12 / V12
<ul style="list-style-type: none"> • STEP 7 configurable/integrated as of version 	V5.5 SP3 or higher
FH technology	
Redundancy	
<ul style="list-style-type: none"> • Redundancy capability 	Yes
<ul style="list-style-type: none"> — for uprating 	Yes
Supply voltage	
Rated value (DC)	24 V
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/voltage failure stored energy time	20 ms
Input current	
Rated value at 24 V DC	1.3 A
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
Potential separation	
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
last modified:	18.12.2015