



SIMATIC S7-1500, SYSTEM POWER SUPPLY PS 60W 120/230V AC/DC, SUPPLIES THE OPERATING VOLTAGE FOR THE S7-1500 VIA THE BACKPLANE BUS

Product type designation

General information

HW functional status	E01
Firmware version	V1.0.0
Engineering with	
<ul style="list-style-type: none"> STEP 7 TIA Portal can be configured/integrated as of version 	V12 / V12
<ul style="list-style-type: none"> STEP 7 can be configured/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 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

<ul style="list-style-type: none"> Rated value 50 Hz 	Yes
<ul style="list-style-type: none"> permissible frequency range, lower limit 	47 Hz

<ul style="list-style-type: none"> permissible frequency range, upper limit 	63 Hz
Mains buffering	
<ul style="list-style-type: none"> 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
Output current	
short-circuit protection	Yes
Power	
Infeed power to the backplane bus	60 W
Power losses	
Power loss at nominal rating conditions	12 W
Interrupts/diagnostics/status information	
Status indicator	Yes
Galvanic isolation	
primary/secondary	Yes
Isolation	
Isolation checked with	2500V DC 2s (routine test)
EMC	
Surge immunity	
<ul style="list-style-type: none"> 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
Dimensions	
Width	70 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	600 g
last modified:	12.03.2015