



SIMATIC S7-1500, system power supply PS 60W 120/230V AC/DC, supplies the backplane bus of S7-1500 with operating voltage

General information	
Product type designation	PS 60 W 120/230 V AC/DC
HW functional status	from FS01
Firmware version	from V1.0.0
Engineering with	
<ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated from version 	V12 / V12
<ul style="list-style-type: none"> STEP 7 configurable/integrated from version 	V5.5 SP3 or higher
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 range, lower limit 	47 Hz
<ul style="list-style-type: none"> permissible 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 loss	
Power loss at nominal rating conditions	12 W
Interrupts/diagnostics/status information	
Status indicator	Yes
Potential separation	
primary/secondary	Yes
Isolation	
Isolation tested with	2 500 V DC/2 s (routine test)
EMC	
Interference immunity against voltage surge	

- Interference immunity on 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

Equipment protection class I, with protective conductor

Ambient conditions

Ambient temperature during operation

- min. -25 °C; up to FS04: 0 °C
- max. 60 °C

Altitude during operation relating to sea level

- Installation altitude above sea level, max. 2 000 m

Dimensions

Width	70 mm
Height	147 mm
Depth	129 mm

Weights

Weight, approx.	600 g
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last modified:

10/31/2024 