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Data sheet 6ES7507-0RA00-0AB0

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

General information	
Product type designation	PS 60 W 120/230 V AC/DC
HW functional status	E01
Firmware version	V1.0.0
Engineering with	
• STEP 7 TIA Portal configurable/integrated from version	V12 / V12
• STEP 7 configurable/integrated from version	V5.5 SP3 or higher
Installation type/mounting	
Rail mounting	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

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Line frequency	
• Rated value 50 Hz	Yes
• permissible range, lower limit	47 Hz
• permissible range, upper limit	63 Hz
Mains buffering	
• 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
Dimensions	
Width	70 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	600 g

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