

SIMATIC S7-1500, System power supply PS 60W 24/48/60 V DC, supplies the backplane bus of the S7-1500 with operating voltage



General information

Product type designation	PS 60 W 24/48/60 V DC
HW functional status	FS03
Firmware version	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

Installation type/mounting

Rail mounting	Yes
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Supply voltage

Rated value (DC)	24 V / 48 V / 60 V
permissible range, lower limit (DC)	Static 19.2 V, dynamic 18.5 V
permissible range, upper limit (DC)	Static 72 V, dynamic 75.5 V
Reverse polarity protection	Yes
Short-circuit protection	Yes

Mains buffering

<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	20 ms
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Input current	
Rated value at 24 V DC	3 A
Rated value at 48 V DC	1.5 A
Rated value at 60 V DC	1.2 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; Electrical isolation for 230 V AC (reinforced isolation)

Isolation	
Isolation tested with	2 500 V DC/2 s (routine test)

EMC	
Interference immunity against voltage surge	
<ul style="list-style-type: none"> 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

last modified: 09/03/2020