

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
<b>Engineering with</b>	
<ul style="list-style-type: none"> <li>• STEP 7 TIA Portal configurable/integrated as of version</li> </ul>	V12 / V12
<ul style="list-style-type: none"> <li>• STEP 7 configurable/integrated as of version</li> </ul>	V5.5 SP3 or higher

### 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
<b>Mains buffering</b>	
<ul style="list-style-type: none"> <li>• Mains/voltage failure stored energy time</li> </ul>	20 ms

### Input current

Rated value at 24 V DC	3 A
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Rated value at 48 V DC	1.5 A
Rated value at 60 V DC	1.2 A
<b>Output current</b>	
Short-circuit protection	Yes
<b>Power</b>	
Infeed power to the backplane bus	60 W
<b>Power loss</b>	
Power loss at nominal rating conditions	12 W
<b>Interrupts/diagnostics/status information</b>	
Status indicator	Yes
<b>Potential separation</b>	
primary/secondary	Yes; Electrical isolation for 230 V AC (reinforced isolation)
<b>Isolation</b>	
Isolation tested with	2 500 V DC/2 s (routine test)
<b>EMC</b>	
Interference immunity against voltage surge	
<ul style="list-style-type: none"> <li>on the supply lines acc. to IEC 61000-4-5</li> </ul>	Yes; $\pm 1$ kV (acc. to IEC 61000-4-5; 1995; surge symm.), $\pm 2$ kV (acc. to IEC 61000-4-5; 1995; surge asymm.), no external protective circuit required
<b>Degree and class of protection</b>	
Degree of protection acc. to EN 60529	IP20
Equipment protection class	I, with protective conductor
<b>Dimensions</b>	
Width	70 mm
Height	147 mm
Depth	129 mm
<b>Weights</b>	
Weight, approx.	600 g
<b>last modified:</b>	06/11/2019