

SIMATIC S7-400, PS 407 POWER SUPPLY,  
4A, 120/230V AC, 5V/4A DC

Supply voltage	
Rated value, 110 V DC	Yes ; Rated value 120 V DC
Rated value, 230 V DC	Yes
permissible range, lower limit (DC)	88 V
permissible range, upper limit (DC)	300 V
Rated value, 120 V AC	Yes
Rated value, 230 V AC	Yes
Line frequency	
Rated value 50 Hz	Yes
Rated value 60 Hz	Yes
Frequency of the supply voltage	47 Hz
Frequency of the supply voltage	63 Hz
Mains buffering	
Mains/voltage failure stored energy time	> 20 ms
Mains buffering according to NAMUR recommendation	Yes
Input current	
Rated value at 110 V DC	370 mA ; at 120 V DC
Rated value at 230 V DC	190 mA ; at 240 V DC
Rated value at 120 V AC	0.38 A
Rated value at 230 V AC	0.22 A ; at 240 V AC
Output voltage	
Rated value, 5 V DC	Yes
Rated value, 24 V DC	Yes
Output current	
for backplane bus (5 V DC), max.	4 A ; 100 mA base load required
for backplane bus (24 V DC), max.	0.5 A ; idling-proof
Short-circuit protection	Yes
Power	
Power consumption, typ.	52 W
Power losses	
Power loss, typ.	20 W
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<b>Backup battery</b>	
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<b>Backup battery (optional)</b>	Yes ; 1 x lithium AA; 3.6 V/2.3 Ah
<b>Galvanic isolation</b>	
<b>primary/secondary</b>	Yes
<b>EMC</b>	
<b>Compliance with line harmonic distortion limits</b>	
<b>Observance of line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3</b>	Yes
<b>Degree and class of protection</b>	
<b>Protection class</b>	1 ; with protective conductor
<b>Standards, approvals, certificates</b>	
<b>FM approval</b>	Yes ; Ta: 0 °C to 60 °C T4
<b>Connection method</b>	
<b>Connecting cables/cross sections</b>	3 x 1.5 mm <sup>2</sup> , solid or stranded wire with end sleeve, external diameter 3 to 9 mm
<b>Dimensions</b>	
<b>Width</b>	25 mm
<b>Height</b>	290 mm
<b>Depth</b>	217 mm
<b>Required slots</b>	1
<b>Weight</b>	
<b>Weight, approx.</b>	760 g
Status	May 20, 2013