

SIMATIC S7-400, PS 407 POWER SUPPLY, 10A, 120/230V UC,  
5V/10A DC



Figure similar

Supply voltage	
Rated value (DC)	
<ul style="list-style-type: none"> <li>• 120 V DC</li> <li>• 230 V DC</li> </ul>	Yes; Rated value 110 V DC Yes
permissible range, lower limit (DC)	88 V
permissible range, upper limit (DC)	300 V
Rated value (AC)	
<ul style="list-style-type: none"> <li>• 120 V AC</li> <li>• 230 V AC</li> </ul>	Yes Yes
permissible range, lower limit (AC)	85 V
permissible range, upper limit (AC)	264 V
Line frequency	
<ul style="list-style-type: none"> <li>• Rated value 50 Hz</li> <li>• Rated value 60 Hz</li> <li>• permissible range, lower limit</li> <li>• permissible range, upper limit</li> </ul>	Yes Yes 47 Hz 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	1.2 A
Rated value at 230 V DC	0.6 A
Rated value at 120 V AC	1.2 A
Rated value at 230 V AC	0.6 A
Inrush current, max.	18 A; 15 x rated value input current

#### Output voltage

Rated value (DC)	
• 5 V DC	Yes
• 24 V DC	Yes

#### Output current

for backplane bus (5 V DC), max.	10 A; 200 mA base load required
for backplane bus (24 V DC), max.	1 A; idling-proof
Short-circuit protection	Yes

#### Power

Active power input, typ.	105 W
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#### Power loss

Power loss, typ.	29.7 W
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#### Battery

Backup battery	
• Backup battery (optional)	Yes; 2x lithium AA; 3.6 V / 1.9 Ah

#### Hardware configuration

Slots	
• required slots	2

#### Potential separation

primary/secondary	Yes
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#### EMC

Compliance with line harmonic distortion limits	
• Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3	Yes

#### Degree and class of protection

Protection class	1; with protective conductor
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#### Standards, approvals, certificates

FM approval	Yes; up to 40 °C: T4
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#### Connection method

Connecting cables/cross-sections	3x 1.5 mm <sup>2</sup> , solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm
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### Dimensions

Width	50 mm
Height	290 mm
Depth	217 mm

### Weights

Weight, approx.	1 360 g
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**last modified:** 03/24/2017