

SIMATIC S7-400, POWER SUPPLY PS407: 10A, WIDERANGE,
120/230V UC, 5V DC/10A



Figure similar

Supply voltage	
Rated value (DC)	
• 120 V DC	Yes
• 230 V DC	Yes
permissible range, lower limit (DC)	88 V
permissible range, upper limit (DC)	300 V
Rated value (AC)	
• 120 V AC	Yes
• 230 V AC	Yes
permissible range, lower limit (AC)	85 V
permissible range, upper limit (AC)	264 V
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	Yes
• permissible range, lower limit	47 Hz
• permissible range, upper limit	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 A; at 120 V DC
Rated value at 230 V DC	0.5 A
Rated value at 120 V AC	0.9 A
Rated value at 230 V AC	0.5 A
Inrush current, max.	63 A; Full width at half maximum 1 ms

Output voltage

Type of output voltage	DC
Rated value (DC)	
• 5 V DC	Yes
• 24 V DC	Yes

Output current

for backplane bus (5 V DC), max.	10 A; no base load required
for backplane bus (24 V DC), max.	1 A; idling-proof
Short-circuit protection	Yes

Power

Active power input, typ.	95 W
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Power loss

Power loss, typ.	20 W
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Battery

Backup battery	
• Backup battery (optional)	Yes; 2x lithium AA; 3.6 V / 2.3 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; Ta: 0 °C to 60 °C T4
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Connection method

Connecting cables/cross-sections	3x 1.5 mm ² , 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.	1 200 g
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last modified: 03/24/2017