



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

Supply voltage

permissible range, lower limit (DC)	88 V
permissible range, upper limit (DC)	300 V
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 frequency range, lower limit	47 Hz
permissible frequency range, upper limit	63 Hz

Mains buffering

Mains buffering according to NAMUR recommendation	Yes
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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

Rated value, 5 V DC	Yes
Rated value, 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	
Power consumption, typ.	95 W
Power losses	
Power loss, typ.	20 W
Battery	
Backup battery	
Backup battery	
Backup battery (optional)	Yes ; 2 x lithium AA; 3.6 V/2.3 Ah
Hardware configuration	
Slots	
Required slots	2
Galvanic isolation	
primary/secondary	Yes
EMC	
Compliance with line harmonic distortion limits	
Observance of 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
Standards, approvals, certificates	
FM approval	Yes ; Ta: 0 °C to 60 °C T4
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
Dimensions	
Width	50 mm
Height	290 mm
Depth	217 mm
Weights	
Weight, approx.	1200 g
Status	Dec 10, 2014