

SIMATIC S7-400, POWERSUPPLY PS407: 4A, WIDERANGE,
120/230V UC,5V DC/4A



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
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/voltage failure stored energy time	20 ms
• Mains/voltage failure buffering time	20 ms
• Mains buffering according to NAMUR recommendation	Yes

Input current	
Rated value at 110 V DC	350 mA; at 120 V DC
Rated value at 230 V DC	190 mA
Rated value at 120 V AC	0.42 A
Rated value at 230 V AC	0.22 A
Inrush current, max.	8.25 A; Full width at half maximum 5 ms
Output voltage	
Type of output voltage	DC
Rated value, 5 V DC	Yes
Rated value, 24 V DC	Yes
Output current	
for backplane bus (5 V DC), max.	4 A; no 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
Battery	
Backup battery	
<ul style="list-style-type: none"> • Backup battery — Backup battery (optional) 	Yes; 1 x lithium AA; 3.6 V/2.3 Ah
Hardware configuration	
Slots	
<ul style="list-style-type: none"> • Required slots 	1
Galvanic isolation	
primary/secondary	Yes
EMC	
Compliance with line harmonic distortion limits	
<ul style="list-style-type: none"> • 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	25 mm
Height	290 mm
Depth	217 mm

Weights

Weight, approx.	760 g
last modified:	04.12.2014