



SIMATIC S7-400, POWER SUPPLY PS407, 20A, WIDERANGE, 120/230V UC, 5V DC/20A

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 frequency range, lower limit	47 Hz
• permissible frequency 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	1.4 A; at 120 V DC
Rated value at 230 V DC	0.7 A
Rated value at 120 V AC	1.4 A
Rated value at 230 V AC	0.7 A

Inrush current, max.	88 A; Full width at half maximum 1.1 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.	20 A; no base load required
for backplane bus (24 V DC), max.	1 A; idling-proof
short-circuit protection	Yes
Power	
Power consumption, typ.	158 W
Power losses	
Power loss, typ.	35 W
Battery	
Backup battery	
• Backup battery	
— Backup battery (optional)	Yes
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.

1 300 g

last modified:

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