



SIMATIC S7-400, Power supply PS407: 4 A, wide range, UC 120/230V, 5 V DC/4 A

Figure similar

Supply voltage	
Rated value (DC)	
<ul style="list-style-type: none"> • 120 V DC • 230 V DC 	Yes
Rated value (AC)	
<ul style="list-style-type: none"> • 120 V AC • 230 V AC 	Yes
Line frequency	
<ul style="list-style-type: none"> • Rated value 50 Hz • Rated value 60 Hz • permissible range, lower limit • permissible range, upper limit 	Yes Yes 47 Hz 63 Hz
Mains buffering	
<ul style="list-style-type: none"> • Mains/voltage failure stored energy time • Mains buffering according to NAMUR recommendation 	20 ms Yes
Input current	
Rated value at 120 V DC	350 mA
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
Leakage current, max.	3.5 mA
output voltage / header	
Type of output voltage	DC
Rated value (DC)	
<ul style="list-style-type: none"> • 5 V DC • 24 V DC 	Yes 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	
Active power input, typ.	52 W
Power loss	
Power loss, typ.	20 W
Battery	
Backup battery	

• Backup battery (optional)	Yes; 1x lithium AA; 3.6 V / 2.2 Ah
Hardware configuration	
Slots	
• required slots	1
Potential separation	
primary/secondary	Yes
Isolation	
Overvoltage category	II
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	
Equipment protection class	I, with protective conductor
Standards, approvals, certificates	
FM approval	Yes; Ta: 0 °C to 70 °C T4
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
connection method / header	
Design of electrical connection	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:	2/7/2021 