



SIMATIC S7-400, PS 407 POWER SUPPLY,
10A, 120/230V UC, 5V/10A DC

Supply voltage	
Rated value, 110 V DC	Yes
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 buffering according to NAMUR recommendation	Yes
Input current	
Rated value at 110 V DC	1.2 A

Rated value at 230 V DC	0.6 A
Rated value at 120 V AC	1.2 A
Rated value at 230 V AC	0.6 A
Inrush current, max.	18 A
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 ; 200 mA base load required
for backplane bus (24 V DC), max.	1 A ; idling-proof
Short-circuit protection	Yes
Power	
Power consumption, typ.	105 W
Power loss	
Power loss, typ.	29.7 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
Dimensions	
Width	50 mm
Height	290 mm
Depth	217 mm
Weights	
Weight, approx.	1360 g

