

SIEMENS

Product data sheet

6ES7407-0KA01-0AA0



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

Supply voltage

Input 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 range, lower limit	47 Hz
permissible 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 ; 15 x rated value input current
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
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Power consumption, typ.	105 W
Power losses	
Power loss, typ.	29.7 W
Backup battery	
Backup battery (optional)	Yes ; 2 x lithium AA; 3.6 V/1.9 Ah
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 ; up to 40 °C: T4
Connection method	

Connecting cables/cross sections	3 x 1.5 mm ² , solid or stranded wire with end sleeve, external diameter 3 to 9 mm
Dimensions and weight	
Required slots	2
Dimensions	
Width	50 mm
Height	290 mm
Depth	217 mm
Weight	
Weight, approx.	1360 g
Status	Jul 4, 2011