

SIEMENS

Product data sheet

6ES7407-0KA02-0AA0


SIMATIC S7-400,
POWER SUPPLY PS407: 10A, WIDERANGE,
120/230V UC, 5V DC/10A

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

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 A ; at 120 V DC
Rated value at 230 V DC	0.5 A
Rated value at 120 V AC	0.9 A
Rated value at 230 V AC	0.5 A
Inrush current, max.	63 A ; Full width at half maximum 1 ms
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 ; no base load required
for backplane bus (24 V DC), max.	1 A ; idling-proof
Short-circuit protection	Yes
Power	
Power consumption, typ.	95 W
Power losses	
Power loss, typ.	20 W
Backup battery	
Backup battery	
Backup battery (optional)	Yes ; 2 x lithium AA; 3.6 V/2.3 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 ; Ta: 0 °C to 60 °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	

Width	50 mm
Height	290 mm
Depth	217 mm
Required slots	2
Weight	
Weight, approx.	1200 g
Status	Sep 10, 2011