MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

S7-400

6ES7407-0KR02-0AA0

REDUNDANT POWER SUPPLY MODULE

Used with the applicable S7-400 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official manufacturer documentation

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Data sheet 6ES7407-0KR02-0AA0

SIMATIC S7-400, POWER SUPPLY PS407; 10A, WIDERANGE, 120/230V UC, 5V DC/10A, FOR REDUNDANT USE



Figure similar

General information	
Product type designation	PS407,UC 120/230 V,5 VDC/10 A,RED.
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 range, lower limit	47 Hz

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• 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	
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.	10 A; no base load required
for backplane bus (24 V DC), max.	1 A; idling-proof
Short-circuit protection	Yes
Power	
Active power input, typ.	95 W
Power loss	
Power loss, typ.	20 W
Battery	
Backup battery	
• Backup battery (optional)	Yes; 2x lithium AA; 3.6 V / 2.3 Ah
Hardware configuration	
Slots	
• required slots	2
Potential separation	
primary/secondary	Yes
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	
Protection class	1; with protective conductor

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Standards, approvals, certificates	
FM approval	Yes; Ta: 0 °C to 60 °C T4

Connection method	
Connecting cables/cross-sections	3x 1.5 mm², 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.	1 200 g

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