MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7407-0DA02-0AA0

RACK BACKPLANE POWER SUPPLY

Used with the applicable SIMATIC S7-400 PS 407 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for 6ES7407-0DA02-0AA0

SIEMENS

Product data sheet 6ES7407-0DA02-0AA0



SIMATIC S7-400, POWERSUPPLY PS407: 4A, WIDERANGE, 120/230V UC,5V DC/4A

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

subject to modifications
© Copyright Siemens AG 2012

Input current	
Rated value at 110 V DC	350 mA ; at 120 V DC
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
Output voltage	
Rated value, 5 V DC	Yes
Rated value, 24 V DC	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	
Power consumption, typ.	52 W
Power losses	
Power loss, typ.	20 W
Backup battery	
Backup battery	
Backup battery (optional)	Yes ; 1 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 mm2, solid or stranded wire with end sleeve, external diameter 3 to 9 mm
Dimensions	

subject to modifications
© Copyright Siemens AG 2012

Width	25 mm
Height	290 mm
Depth	217 mm
Required slots	1
Weight	
Weight, approx.	760 g
Status	Jul 17, 2012

subject to modifications
© Copyright Siemens AG 2012