MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7405-0KA02-0AA0

DC POWER SUPPLY MODULE

Used with the applicable PS 405/407 power supply configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official manufacturer document: 6ES7405-0KA02-0AA0.pdf

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Product data sheet 6ES7405-0KA02-0AA0



SIMATIC S7-400, PS 405 POWER SUPPLY,
WIDE RANGE 10A, 24/48/60V DC,
5V/10A DC ATEX APPROBATION IDENTIFICATION

Supply voltage	
Rated value, 24 V DC	Yes
Rated value, 48 V DC	Yes
Rated value, 60 V DC	Yes
permissible range, lower limit (DC)	19.2 V ; Dynamic 18.5 V
permissible range, upper limit (DC)	72 V ; dynamic 75.5 V
Mains buffering	
Mains/voltage failure stored energy time	20 ms
Mains buffering according to NAMUR recommendation	Yes
Input current	
Rated value at 24 V DC	4 A
Rated value at 48 V DC	2 A
Rated value at 60 V DC	1.6 A
Inrush current, max.	18 A ; Full width at half maximum 20 ms
Output voltage	

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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
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	
Width	50 mm
Height	290 mm
Depth	217 mm
Required slots	2
Weight	
Weight, approx.	1200 g
Status	Jul 17, 2012

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