AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7307-1KA00-0AA0

Ten-Ampere Regulated Power Supply

TYPE	INPUT	OUTPUT	CURRENT
PS 307	**120/230 V AC**	**24 V DC**	**10 A**

Siemens 6ES7307-1KA00-0AA0 is the ten-ampere PS 307 power supply documented for SIMATIC S7-300. It accepts a selected 120 or 230 V AC input and supplies regulated 24 V DC, with electrical isolation separating the mains and low-voltage output circuits.

01 VERIFIED TECHNICAL INFORMATION

Rated AC input	120/230 V AC; manual voltage selector
Input frequency	50/60 Hz nominal; 47-63 Hz permitted
Rated input current	1.7 A at 230 V; 3.5 A at 120 V
Inrush current	55 A at 25 degrees C
Regulated output voltage	24 V DC, +/-5%; open-circuit proof
Rated output current	10 A
Parallel operation	Not permitted

Manufacturer evidence: S7-300 and M7-300 Programmable Controllers Module Specifications; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Output ramp-up time	2.5 s maximum
Short-circuit protection	Electronic and non-latching; 1.1-1.3 times rated current
Residual ripple	150 mV peak-to-peak maximum
Protection class	Class I with protective grounding conductor
Isolation test voltage	2,800 V DC
Power-failure buffering	20 ms minimum at 93/187 V; repetition interval at least 1 s
Efficiency	89%
Typical power loss	30 W

03 SOURCE AND CONFIGURATION CHECKS

This version provides a mains-voltage selector, output switch and green voltage indicator on its front panel. The original terminal layout separates incoming power and protective grounding from the DC load terminals. Electronic protection responds to overloads and short circuits, and parallel connection is prohibited.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

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AMIKON PRODUCT SUPPORT

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