SIMATIC S7-300

# Product Data Sheet

## 6ES7307-1EA01-0AA0

Five-ampere regulated power supply

| AC INPUT RANGES | INPUT FREQUENCY | RATED INPUT CURRENT | MAXIMUM INRUSH CURRENT |
|---|---|---|---|
| **85 to 132 V or 170 to 264 V** | **47 to 63 Hz** | **2.3 A at 120 V; 1.2 A at 230 V** | **20 A at 25 °C** |

Siemens 6ES7307-1EA01-0AA0 is a five-ampere regulated power supply in the SIMATIC S7-300 family. The documented ac input ranges is 85 to 132 V or 170 to 264 V, and the full order code defines the supplied electrical and interface configuration.

## 01 VERIFIED TECHNICAL DATA

| | |
|---|---|
| AC input ranges | 85 to 132 V or 170 to 264 V |
| Input frequency | 47 to 63 Hz |
| Rated input current | 2.3 A at 120 V; 1.2 A at 230 V |
| Maximum inrush current | 20 A at 25 °C |
| Rated output voltage | 24 V DC regulated and isolated |
| Output voltage tolerance | 3% overall |
| Rated output current | 5 A |
| Residual ripple | 50 mV maximum |
| Voltage peaks | 150 mV maximum |
| Efficiency | 87% |

Values follow the applicable manufacturer documents identified on page 2.

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Typical power loss | 18 W |
| Short-circuit protection | Electronic shutdown with automatic restart |
| Enclosure protection | IP20 |
| Operating temperature | 0 to 60 °C |
| Terminal conductor range | 0.5 to 2.5 mm² |

## 03 DOCUMENTED USE SETTINGS

Semiconductor and Electronics Industries: Semiconductor and microelectronics facilities.

Cement, Aggregates and Quarry Industries: Cement and clinker industry facilities.

Data Center and Digital Infrastructure: Enterprise and colocation data centers.

## 04 SYSTEM COMPATIBILITY

6ES7307-1EA01-0AA0 is a five-ampere regulated power supply in the SIMATIC S7-300 family. Confirm the complete article identity and compare the documented ac input ranges with the installed requirement.

## 05 PRODUCT EVIDENCE

Siemens manufacturer documentation

**AMIKON PRODUCT SUPPORT**

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