SIMATIC S7-300

Product Data Sheet

6ES7314-1AF11-0AB0

S7-300 CPU 314 Controller

FUNCTION	FAMILY	ORIGIN	WEIGHT
S7-300 CPU 314 Controller	**SIMATIC S7-300**	**Germany**	**0.53 kg**

Siemens 6ES7314-1AF11-0AB0 is a S7-300 CPU 314 Controller for the SIMATIC S7-300. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Working memory	64 KB integrated; not expandable
Load memory	SIMATIC MMC required; 8 MB maximum
Program and data retention	Maintenance-free, battery-free backup via MMC
Bit-operation time	0.1 microsecond typical
S7 counters	256; counting range 0-999
S7 timers	256; range 10 ms-9,990 s
Data blocks	511; maximum 16 KB per DB
I/O address area	1,024 bytes inputs and 1,024 bytes outputs
Process image	128 bytes inputs and 128 bytes outputs
Rack expansion	Four racks maximum; eight modules per rack

02 ADDITIONAL PRODUCT DATA

Real-time clock	Buffered hardware clock; typical backup six weeks at 40 degrees C
Integrated communications	Non-isolated RS 485 MPI; 187.5 kbit/s; twelve connections
Diagnostic buffer	100 entries; not adjustable
Supply voltage	24 V DC nominal; 20.4-28.8 V allowed
Typical power loss	2.5 W

03 OFFICIAL APPLICATIONS

- Control and monitoring systems: Model specific integration and maintenance
- Plant production equipment: Documented signal and communication functions
- Installed base maintenance: Exact article replacement and commissioning

04 SYSTEM COMPATIBILITY

Match 6ES7314-1AF11-0AB0 to the installed SIMATIC S7-300, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

05 OFFICIAL SOURCES

Siemens official technical documentation for 6ES7314-1AF11-0AB0

C:\Users\Administrator\Desktop\AMIKONG■■■\6ES7314-1AF11-0AB0.pdf

AMIKON PRODUCT SUPPORT

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