SIMATIC S7-300

Product Data Sheet

6ES7314-1AG14-0AB0

CPU 314 central processing unit

SUPPLY VOLTAGE	RATED SUPPLY CURRENT	TYPICAL UNLOADED CURRENT	TYPICAL INRUSH CURRENT
24 V DC; 19.2 to 28.8 V	**650 mA**	**140 mA**	**3.5 A**

Siemens 6ES7314-1AG14-0AB0 is a CPU 314 central processing unit for SIMATIC S7-300 automation. It executes the configured control program and communicates through its integrated MPI interface.

01 VERIFIED TECHNICAL DATA

Supply voltage	24 V DC; 19.2 to 28.8 V
Rated supply current	650 mA
Typical unloaded current	140 mA
Typical inrush current	3.5 A
Power-failure buffering	5 ms
Typical power loss	4 W
Work memory	128 KB
Retentive data-block memory	64 KB
Maximum MMC load memory	8 MB
Typical bit-operation time	0.06 micros

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Typical word-operation time	0.12 micros
Typical fixed-point arithmetic time	0.16 micros
Typical floating-point arithmetic time	0.59 micros
Maximum total program blocks	1024 DB/FC/FB
Maximum data-block size	64 KB

03 DOCUMENTED USE SETTINGS

Automotive Manufacturing and Production Logistics: Vehicle Assembly and Production.

Chemical Production and Process Manufacturing: Chemical Production Network Communication.

Industrial Manufacturing and Production Coordination: Manufacturing Production Network Communication.

04 SYSTEM COMPATIBILITY

6ES7314-1AG14-0AB0 belongs to the SIMATIC S7-300 family and provides the documented cpu 314 central processing unit function. Its supply voltage is 24 V DC; 19.2 to 28.8 V; match this characteristic to the connected equipment and the project configuration.

05 PRODUCT EVIDENCE

Siemens SIMATIC S7-300 manufacturer documentation; applicable pages 1, 2, 3, 4, 5, 6, 7, 8

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**