

SIMATIC S7-300 CPU 312C

Product Data Sheet

6ES7312-5BF04-0AB0

Compact Controller CPU Module

WORKING MEMORY CAPACITY	DIGITAL I/O ALLOCATION	COUNTING RESOURCES	LOAD MEMORY MEDIUM
64 KB	10 inputs and 6 outputs	2 counters, 10 kHz	SIMATIC MMC, up to 8 MB

Siemens 6ES7312-5BF04-0AB0 is the CPU 312C compact controller for SIMATIC S7-300. It combines processor resources and integrated digital I/O for compatible machine and process-automation projects.

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VERIFIED TECHNICAL DATA

Working memory capacity	64 KB
Digital I/O allocation	10 inputs and 6 outputs
Counting resources	2 counters, 10 kHz
Load memory medium	SIMATIC MMC, up to 8 MB
Bit instruction processing	0.1 micros
Word instruction processing	0.24 micros
Fixed-point instruction processing	0.32 micros
Floating-point instruction processing	1.1 micros
Rated DC supply	24 V
Permitted supply range	19.2 to 28.8 V DC

ADDITIONAL PRODUCT DATA

Rated input current	570 mA
No-load input current	90 mA
Maximum inrush current	5 A
Mains interruption buffering	5 ms
Typical power loss	8 W

DOCUMENTED USE SETTINGS

Automotive Manufacturing and Component Processing: Automotive Assembly Process Automation.

Packaging Processing and Material Converting: Industrial Packaging Process Automation.

Food Processing and Beverage Processing: Food Processing and Production.

SYSTEM COMPATIBILITY

Integrate 6ES7312-5BF04-0AB0 only in the documented SIMATIC S7-300 CPU 312C configuration. Match the installed interfaces and the engineered application before selecting this compact controller cpu module.

PRODUCT EVIDENCE

Siemens technical documentation for 6ES7312-5BF04-0AB0

AMIKON PRODUCT SUPPORT

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