

SIPLUS S7-300 CPU 312C

Product Data Sheet

6AG1312-5BF04-7AB0

Coated Compact CPU Module

OPERATING AMBIENT TEMPERATURE	WORKING MEMORY CAPACITY	INTEGRATED DIGITAL CHANNELS	HIGH-SPEED COUNTING ALLOCATION
-25 to 70 deg C	64 KB	10 inputs and 6 outputs	2 counters at 10 kHz

Siemens 6AG1312-5BF04-7AB0 is the SIPLUS CPU 312C based on SIMATIC S7-300. Its conformal-coated compact construction is intended for compatible automation projects within the documented extended environmental limits.

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VERIFIED TECHNICAL DATA

Operating ambient temperature	-25 to 70 deg C
Working memory capacity	64 KB
Integrated digital channels	10 inputs and 6 outputs
High-speed counting allocation	2 counters at 10 kHz
Rated supply voltage	24 V DC
Permitted input supply	19.2 to 28.8 V DC
Input current	570 mA rated; 90 mA no-load
Maximum inrush current	5 A
Inrush integral	0.7 A²s
Mains buffering	5 ms

ADDITIONAL PRODUCT DATA

Typical power loss	8 W
Instruction times	0.1 micros bit; 0.24 micros word; 0.32 micros fixed-point; 1.1 micros floating-point
Load memory card capacity	MMC, up to 8 MB
Timer and counter resources	256 S7 timers; 256 S7 counters
Front connector contacts	40 pins

DOCUMENTED USE SETTINGS

Mining and Mineral Processing Production: Mineral Processing and Beneficiation.

Water Supply and Wastewater Treatment: Municipal Water Supply Control.

Manufacturing and Industrial Production Automation: Industrial Manufacturing Process Automation.

SYSTEM COMPATIBILITY

Integrate 6AG1312-5BF04-7AB0 only in the documented SIPLUS S7-300 CPU 312C configuration. Match the installed interfaces and the engineered application before selecting this coated compact cpu module.

PRODUCT EVIDENCE

Siemens technical documentation for 6AG1312-5BF04-7AB0

AMIKON PRODUCT SUPPORT

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