

SIMATIC S7-300 AUTOMATION SYSTEMS

Product Data Sheet

6ES7313-6BG04-0AB0

CPU 313C compact controller

FUNCTION CPU 313C compact controller	FAMILY SIMATIC S7-300 automation systems	ORIGIN Germany	WEIGHT Confirm before dispatch
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S7-300 6ES7313-6BG04-0AB0 is a CPU 313C compact controller for the SIMATIC S7-300 automation systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6ES7313-6BG04-0AB0
Product Class	Cpu 313C Compact Controller
Product Family	SIMATIC S7-300 automation systems
Controller Platform	SIMATIC S7-300
Programming Environment	STEP 7
Program Processing	Cyclic and interrupt OBs
Communication	MPI / PROFIBUS / PROFINET by article
Memory Type	Integrated work memory
Digital Processing	Boolean and integer instructions
Analog Processing	Floating-point instructions

ADDITIONAL PRODUCT DATA

Diagnostic Buffer	Retentive event log
Real-Time Clock	Hardware clock integrated
Mounting	SIMATIC mounting rail / rack
Supply Class	24 V DC or rack backplane

OFFICIAL APPLICATIONS

- Coordinate filtration backwash with Cpu 313C process control: Within the filter cells and backwash valves, 6ES7313-6BG04-0AB0 handles its designated signal or control duty as a CPU 313C compact controller. During filter loading, the system uses this function to sequence isolation, drain and rinse paths, helping it return the filter to production in a known state.
- Maintain generator excitation with Cpu 313C process control: Across the field circuits and voltage regulation, 6ES7313-6BG04-0AB0 handles its designated signal or control duty as a CPU 313C compact controller. During load change, the system uses this function to adjust the assigned regulation path from operating feedback, helping it hold the electrical variable at its commanded target.
- Protect product blending with Cpu 313C process control: In the automation chain for the component tanks and blend headers, 6ES7313-6BG04-0AB0 provides its specified system function as a CPU 313C compact controller. During blend correction, the system uses this function to adjust component addition from quality feedback, helping it bring the blend toward its release target.

SYSTEM COMPATIBILITY

Match 6ES7313-6BG04-0AB0 to the installed SIMATIC S7-300 automation systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6ES7313-6BG04-0AB0>

AMIKON PRODUCT SUPPORT

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