

SIMATIC S7-300 AUTOMATION SYSTEMS

Product Data Sheet

6ES7313-6CG04-0AB0

CPU 313C-2 DP compact controller

FUNCTION CPU 313C-2 DP compact controller	FAMILY SIMATIC S7-300 automation systems	ORIGIN Germany	WEIGHT Confirm before dispatch
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S7-300 6ES7313-6CG04-0AB0 is a CPU 313C-2 DP 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	6ES7313-6CG04-0AB0
Product Class	Cpu 313C-2 Dp 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

- Balance order sorting with Cpu 313C process control: During operation of the scanners, diverters and destination lanes, 6ES7313-6CG04-0AB0 serves its documented function as a CPU 313C-2 DP compact controller. During priority order, the system uses this function to apply the current order priority to the routing decision, helping it complete the order path in the intended sequence.
- Supervise robotic joining with Cpu 313C process control: At the control layer of the robots, fixtures and clamp groups, 6ES7313-6CG04-0AB0 handles its designated signal or control duty as a CPU 313C-2 DP compact controller. During station restart, the system uses this function to confirm tooling readiness before the cycle starts, helping it prevent an incomplete joining cycle.
- Support machine-tool automation with Cpu 313C: Inside the spindles, axes and tool changers, 6ES7313-6CG04-0AB0 provides its specified system function as a CPU 313C-2 DP compact controller. During cycle start, the system uses this function to coordinate the equipment states required by the active cycle, helping it complete the machining step with traceable status.

SYSTEM COMPATIBILITY

Match 6ES7313-6CG04-0AB0 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/6ES7313-6CG04-0AB0>

AMIKON PRODUCT SUPPORT

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