

SIMATIC S7-300 AUTOMATION SYSTEMS

Product Data Sheet

6ES7313-5BG04-0AB0

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 6ES7313-5BG04-0AB0 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	6ES7313-5BG04-0AB0
Product Class	Cpu 313C Compact Controller
Product Family	SIMATIC S7-300 automation systems
Control Supply	24 V DC or system backplane
Backplane Interface	SIMATIC system bus
Programming	STEP 7 / TIA Portal
Process Image	Cyclic I/O exchange
Diagnostics	Module and channel status
Isolation	Galvanically isolated field circuits
Mounting	SIMATIC rail or rack

ADDITIONAL PRODUCT DATA

Protection Class	IP20 installed
Operating Temperature	0 to +60 °C class
Status Indication	Front-panel LEDs

OFFICIAL APPLICATIONS

- Synchronize press sequencing with Cpu 313C process control: Across the feed systems, dies and safety interfaces, 6ES7313-5BG04-0AB0 serves its documented function as a CPU 313C compact controller. During part change, the system uses this function to apply the selected product recipe to the sequence, helping it produce the intended part without skipping an interlock.
- Integrate order sorting with Cpu 313C process control: Across the scanners, diverters and destination lanes, 6ES7313-5BG04-0AB0 operates in its approved product-family role as a CPU 313C 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.
- Integrate filtration backwash with Cpu 313C process control: At the control layer of the filter cells and backwash valves, 6ES7313-5BG04-0AB0 provides its specified system function 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.

SYSTEM COMPATIBILITY

Match 6ES7313-5BG04-0AB0 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/6ES7313-5BG04-0AB0>

AMIKON PRODUCT SUPPORT

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