

SIMATIC S7-300 AUTOMATION SYSTEMS

Product Data Sheet

6ES7314-6BH04-0AB0

CPU 314C-2 PTP compact controller

FUNCTION CPU 314C-2 PTP compact controller	FAMILY SIMATIC S7-300 automation systems	ORIGIN Germany	WEIGHT Confirm before dispatch
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S7-300 6ES7314-6BH04-0AB0 is a CPU 314C-2 PTP 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	6ES7314-6BH04-0AB0
Product Class	Cpu 314C-2 Ptp 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

- Sequence aseptic filling with Cpu 314C process control: For the coordinated operation of the fillers and container conveyors, 6ES7314-6BH04-0AB0 operates in its approved product-family role as a CPU 314C-2 PTP compact controller. During line-speed ramp, the system uses this function to keep container flow synchronized with filling demand, helping it move accepted containers toward inspection.
- Sequence cooling-water circulation with Cpu 314C: At the control layer of the circulating pumps and heat exchangers, 6ES7314-6BH04-0AB0 handles its designated signal or control duty as a CPU 314C-2 PTP compact controller. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- Align test-stand control with Cpu 314C process control: Across the load actuators and measurement channels, 6ES7314-6BH04-0AB0 serves its documented function as a CPU 314C-2 PTP compact controller. During test-point transition, the system uses this function to move the test article through commanded operating points, helping it capture comparable results at each condition.

SYSTEM COMPATIBILITY

Match 6ES7314-6BH04-0AB0 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/6ES7314-6BH04-0AB0>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM