

SIMATIC AUTOMATION SYSTEMS

Product Data Sheet

6ES7314-6EH04-0AB0

central processing unit module

FUNCTION central processing unit module	FAMILY SIMATIC automation systems	ORIGIN Germany	WEIGHT 0.785 kg
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Siemens SIMATIC S7 6ES7314-6EH04-0AB0 is a central processing unit module for the SIMATIC automation systems. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

HW functional status	01
Firmware version	V3.3
Rated value (DC)	24 V
Resolution with overrange (bit including sign), max.	12 bit
Integration time, parameterizable	Yes; 16.6 / 20 ms
Interference voltage suppression for interference frequency	50 / 60 Hz
Time constant of the input filter	0.38 ms
Basic execution time of the module (all channels released)	1 ms
Number of ports	2
min.	0 °C

ADDITIONAL PRODUCT DATA

OFFICIAL APPLICATIONS

- Execute deterministic automation sequences: Use 6ES7314-6EH04-0AB0 for cyclic logic, program execution and distributed I/O coordination in the documented SIMATIC automation systems. Preserve the approved hardware configuration and program backup.
- Connect configured PROFINET or PROFIBUS devices: Maintain the documented network names, addresses, topology and controller interfaces assigned to 6ES7314-6EH04-0AB0. Validate reachable devices before enabling controlled equipment.
- Restore the controller project safely: Load the approved project to 6ES7314-6EH04-0AB0, review diagnostics and test interlocks, I/O updates, alarms and commanded sequences before returning the plant section to service.

SYSTEM COMPATIBILITY

Match 6ES7314-6EH04-0AB0 to the installed SIMATIC automation systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens Industry Mall technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7314-6EH04-0AB0>

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