

SIMATIC AUTOMATION SYSTEMS

Product Data Sheet

6ES7512-1CK01-0AB0

central processing unit module

FUNCTION	FAMILY	ORIGIN	WEIGHT
central processing unit module	SIMATIC automation systems	China	1.551 kg

Siemens SIMATIC S7 6ES7512-1CK01-0AB0 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	FS03
Firmware version	V2.9
Rated value (DC)	24 V
Screen diagonal [cm]	3.45 cm
Resolution of the duty cycle	0.0036 %; For S7 analog format, min. 40 ns
Resolution with overrange (bit including sign), max.	16 bit
Integration time, parameterizable	Yes; 2.5 / 16.67 / 20 / 100 ms, acts on all channels
Interference voltage suppression for interference frequency	400 / 60 / 50 / 10
Number of keys	8
integrated (for program)	250 kbyte

ADDITIONAL PRODUCT DATA

OFFICIAL APPLICATIONS

- Execute deterministic automation sequences: Use 6ES7512-1CK01-0AB0 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 6ES7512-1CK01-0AB0. Validate reachable devices before enabling controlled equipment.
- Restore the controller project safely: Load the approved project to 6ES7512-1CK01-0AB0, review diagnostics and test interlocks, I/O updates, alarms and commanded sequences before returning the plant section to service.

SYSTEM COMPATIBILITY

Match 6ES7512-1CK01-0AB0 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=6ES7512-1CK01-0AB0>

AMIKON PRODUCT SUPPORT

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