

SIMATIC AUTOMATION SYSTEMS

Product Data Sheet

6ES7653-2CE00-0XB0

central processing unit module

FUNCTION central processing unit module	FAMILY SIMATIC automation systems	ORIGIN Germany	WEIGHT 1 kg
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Siemens SIMATIC S7 6ES7653-2CE00-0XB0 is a central processing unit module for the SIMATIC automation systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

HW functional status	3
Firmware version	V2.0
min.	0 °C
max.	70 °C
integrated	Use of max. 19.8 MB work memory in the CPU 410-5H
expandable	Yes, by means of CPU 410 Expansion Pack PO 100 or PO 500
Design of PLC basic unit	With Conformal Coating (ISA-S71.04 severity level G1; G2; G3) and operating te
PCS 7 process objects	1 000; PO for CPU 410-5H; expandable by means of CPU 410 Expansion Pack PO 100
Inputs	Use of 16 KB in the CPU 410-5H
Inputs, max.	6 kbyte

ADDITIONAL PRODUCT DATA

OFFICIAL APPLICATIONS

- Execute deterministic automation sequences: Use 6ES7653-2CE00-0XB0 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 6ES7653-2CE00-0XB0. Validate reachable devices before enabling controlled equipment.
- Restore the controller project safely: Load the approved project to 6ES7653-2CE00-0XB0, review diagnostics and test interlocks, I/O updates, alarms and commanded sequences before returning the plant section to service.

SYSTEM COMPATIBILITY

Match 6ES7653-2CE00-0XB0 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=6ES7653-2CE00-0XB0>

AMIKON PRODUCT SUPPORT

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