

SIMATIC AUTOMATION SYSTEMS

# Product Data Sheet

**6ES7653-2CP00-0XB0**

central processing unit module

|                                |                            |         |        |
|--------------------------------|----------------------------|---------|--------|
| FUNCTION                       | FAMILY                     | ORIGIN  | WEIGHT |
| central processing unit module | SIMATIC automation systems | Germany | 1 kg   |

Siemens SIMATIC S7 6ES7653-2CP00-0XB0 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

|                  |                               |
|------------------|-------------------------------|
| Rated Supply     | 24 V DC                       |
| Mounting         | Control cabinet               |
| Protection Class | IP20                          |
| System Interface | Backplane bus                 |
| Configuration    | Manufacturer engineering tool |
| Operating Mode   | Continuous duty               |
| Connection       | Keyed industrial connector    |
| Diagnostic State | Status indicators             |
| Commissioning    | Controlled functional test    |
| Installation     | Rack module                   |

- Execute deterministic automation sequences: Use 6ES7653-2CP00-0XB0 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 6ES7653-2CP00-0XB0. Validate reachable devices before enabling controlled equipment.
- Restore the controller project safely: Load the approved project to 6ES7653-2CP00-0XB0, review diagnostics and test interlocks, I/O updates, alarms and commanded sequences before returning the plant section to service.

Match 6ES7653-2CP00-0XB0 to the installed SIMATIC automation systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens Industry Mall technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7653-2CP00-0XB0>

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