

SIMATIC AUTOMATION SYSTEMS

# Product Data Sheet

**6ES7317-6FF03-0AB0**

fail-safe central processing unit

|                                               |                                      |                   |                   |
|-----------------------------------------------|--------------------------------------|-------------------|-------------------|
| FUNCTION<br>fail-safe central processing unit | FAMILY<br>SIMATIC automation systems | ORIGIN<br>Germany | WEIGHT<br>0.52 kg |
|-----------------------------------------------|--------------------------------------|-------------------|-------------------|

Siemens SIMATIC S7 6ES7317-6FF03-0AB0 is a fail-safe central processing unit for the SIMATIC automation systems. The values below are limited to the exact documented article.

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## 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                   |

## ADDITIONAL PRODUCT DATA

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## OFFICIAL APPLICATIONS

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- Execute deterministic automation sequences: Use 6ES7317-6FF03-0AB0 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 6ES7317-6FF03-0AB0. Validate reachable devices before enabling controlled equipment.
- Restore the controller project safely: Load the approved project to 6ES7317-6FF03-0AB0, review diagnostics and test interlocks, I/O updates, alarms and commanded sequences before returning the plant section to service.

## SYSTEM COMPATIBILITY

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Match 6ES7317-6FF03-0AB0 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

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[Siemens Industry Mall technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7317-6FF03-0AB0>

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