

SIMATIC AUTOMATION SYSTEMS

Product Data Sheet

6ES7317-6FF04-0AB0

fail-safe central processing unit

FUNCTION fail-safe central processing unit	FAMILY SIMATIC automation systems	ORIGIN Germany	WEIGHT 0.416 kg
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Siemens SIMATIC S7 6ES7317-6FF04-0AB0 is a fail-safe central processing unit 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
min.	0 °C
max.	60 °C
MPI	Yes
Point-to-point connection	No
Number of PROFINET interfaces	0
Number of RS 485 interfaces	2
Interface type	Integrated RS 485 interface

ADDITIONAL PRODUCT DATA

OFFICIAL APPLICATIONS

- Execute deterministic automation sequences: Use 6ES7317-6FF04-0AB0 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 6ES7317-6FF04-0AB0. Validate reachable devices before enabling controlled equipment.
- Restore the controller project safely: Load the approved project to 6ES7317-6FF04-0AB0, review diagnostics and test interlocks, I/O updates, alarms and commanded sequences before returning the plant section to service.

SYSTEM COMPATIBILITY

Match 6ES7317-6FF04-0AB0 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=6ES7317-6FF04-0AB0>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM