

APTER POWER PRODUCT MANUAL

6ES7315-6FF04-0AB0

SIMATIC S7-300 CPU 315F-2 DP

The Siemens 6ES7315-6FF04-0AB0 is a fail-safe SIMATIC S7-300 CPU 315F-2 DP with MPI, a second PROFIBUS DP master/device interface, 384 KB work memory, 24 V DC supply, and a 40 mm module width.

It executes standard and approved safety-related control logic, communicates with configured distributed devices over PROFIBUS DP, and supports safety functions only within a validated Siemens safety project and the applicable machine safety architecture.

|              |                                    |
|--------------|------------------------------------|
| Manufacturer | Siemens                            |
| Prepared by  | Apter Power                        |
| Document ID  | AP-SIE-05-6ES7315-6FF04-0AB0-PM-R1 |
| Revision     | R1                                 |
| Issue date   | 2026-08-17                         |

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Safety continuity begins with exact hardware and project evidence.

WHATSAPP / PHONE +86 180 3023 5313  
EMAIL sales13@apterpower.com  
WEBSITE www.apterpower.com



SCAN FOR PRODUCT & QUOTE  
6ES7315-6FF04-0AB0

# 1. Product Overview and Identity

The Siemens 6ES7315-6FF04-0AB0 is a fail-safe SIMATIC S7-300 CPU 315F-2 DP with MPI, a second PROFIBUS DP master/device interface, 384 KB work memory, 24 V DC supply, and a 40 mm module width.

It executes standard and approved safety-related control logic, communicates with configured distributed devices over PROFIBUS DP, and supports safety functions only within a validated Siemens safety project and the applicable machine safety architecture.

## Model Configuration

| Field               | Verified information         |
|---------------------|------------------------------|
| Complete model      | 6ES7315-6FF04-0AB0           |
| Manufacturer        | Siemens                      |
| Product description | SIMATIC S7-300 CPU 315F-2 DP |

## Key Features

- Exact Siemens MLFB 6ES7315-6FF04-0AB0
- SIMATIC S7-300 CPU 315F-2 DP
- 384 KB
- MPI plus second PROFIBUS DP master/device interface
- Model-specific lifecycle and installation guidance

## 2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

| Parameter                    | Verified value                                                                    |
|------------------------------|-----------------------------------------------------------------------------------|
| Product type                 | CPU 315F-2 DP fail-safe module                                                    |
| Firmware                     | V3.3                                                                              |
| Work memory                  | 384 KB                                                                            |
| Supply                       | 24 V DC; permitted range 19.2 to 28.8 V DC                                        |
| Interfaces                   | MPI plus second PROFIBUS DP master/device interface                               |
| Module width                 | 40 mm                                                                             |
| Typical power loss           | 4.5 W                                                                             |
| Device dimensions            | 40 × 125 × 130 mm (W × H × D)                                                     |
| Approximate device weight    | 290 g                                                                             |
| Siemens net weight           | 0.344 kg                                                                          |
| Siemens packaging dimensions | 13.10 × 15.20 × 5.20 cm                                                           |
| Required memory              | SIMATIC Micro Memory Card                                                         |
| Country of origin            | Germany                                                                           |
| Lifecycle                    | PM410 product cancellation since 1 October 2025; Siemens lists it as a spare part |

### Verification Note

Use the complete 6ES7315-6FF04-0AB0 identifier. Siemens lists 6ES7315-6FF04-0AB0 in PM410 product cancellation since 1 October 2025 and identifies it as a spare part. Values not published in the cited Siemens source are intentionally not inferred.

### 3. Functions, Applications and Components

#### Core Functions

- It executes standard and approved safety-related control logic, communicates with configured distributed devices over PROFIBUS DP, and supports safety functions only within a validated Siemens safety project and the applicable machine safety architecture.
- Maintains the documented SIMATIC S7-300 fail-safe PLC with PROFIBUS DP role for this complete article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

#### Application Areas

| Application                     | System role                                                             |
|---------------------------------|-------------------------------------------------------------------------|
| Machine safety control          | Executes validated safety and standard logic for protective functions   |
| Fail-safe distributed I/O       | Communicates with project-approved safety stations over PROFIBUS DP     |
| Process and burner safeguards   | Used only where the certified safety architecture and project permit    |
| Safety-system lifecycle support | Maintains exact hardware identity during controlled repair or migration |

#### Compatible Components

- SIMATIC S7-300 rack and compatible 24 V DC power supply
- Approved fail-safe and standard modules defined in the validated project
- SIMATIC Micro Memory Card required for operation
- STEP 7 and the Siemens safety engineering package/version specified for the project

#### Lifecycle Status

Siemens lists 6ES7315-6FF04-0AB0 in PM410 product cancellation since 1 October 2025 and identifies it as a spare part.

## 4. Installation Precautions

---

- Safety validation: Do not reuse or substitute the CPU without the approved safety project and risk assessment
- Firmware: Match firmware V3.3, safety signature, STEP 7, and the Siemens safety package
- DP configuration: Verify fail-safe addresses, watchdog parameters, device versions, and bus diagnostics
- Memory: Control the Micro Memory Card and project backup under the site safety-change procedure
- Commissioning: Perform the documented proof test and record the safety acceptance results

STOP - Verify before installation

Use the complete 6ES7315-6FF04-0AB0 identifier. Siemens lists 6ES7315-6FF04-0AB0 in PM410 product cancellation since 1 October 2025 and identifies it as a spare part. Values not published in the cited Siemens source are intentionally not inferred.

Use the physical nameplate and current Siemens documents as the controlling records.

## 5. Official Source and Use Notice

---

### Official source

Siemens Industry Mall product detail and Siemens technical data sheet for complete article number 6ES7315-6FF04-0AB0:

<https://mall.industry.siemens.com/mall/en/oeii/Catalog/Product?SiepCountryCode=OE&mlfb=6ES73156FF040AB0>

### Apter Power product page

<https://www.apterpower.com/Siemens/6es7315-6ff04-0ab0>

### Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

### ASK FOR QUOTE

For availability and quotation details, visit [www.apterpower.com](http://www.apterpower.com) or contact [sales13@apterpower.com](mailto:sales13@apterpower.com).