

APTER POWER PRODUCT MANUAL

6ES7315-2AH14-0AB0

SIMATIC S7-300 CPU 315-2 DP

The Siemens 6ES7315-2AH14-0AB0 is a SIMATIC S7-300 CPU 315-2 DP central processing unit with MPI, a second PROFIBUS DP master/device interface, 256 KB work memory, and 24 V DC supply.

It executes the PLC program, manages central and distributed S7-300 I/O, and exchanges cyclic process data and diagnostics with configured PROFIBUS DP stations while the required Micro Memory Card stores the load program.

Manufacturer	Siemens
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APTER POWER SALES TEAM

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A verified DP controller for disciplined installed-base continuity.

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6ES7315-2AH14-0AB0

1. Product Overview and Identity

The Siemens 6ES7315-2AH14-0AB0 is a SIMATIC S7-300 CPU 315-2 DP central processing unit with MPI, a second PROFIBUS DP master/device interface, 256 KB work memory, and 24 V DC supply.

It executes the PLC program, manages central and distributed S7-300 I/O, and exchanges cyclic process data and diagnostics with configured PROFIBUS DP stations while the required Micro Memory Card stores the load program.

Model Configuration

Field	Verified information
Complete model	6ES7315-2AH14-0AB0
Manufacturer	Siemens
Product description	SIMATIC S7-300 CPU 315-2 DP

Key Features

- Exact Siemens MLFB 6ES7315-2AH14-0AB0
- SIMATIC S7-300 CPU 315-2 DP
- 256 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 315-2 DP
Hardware status	01
Firmware	V3.3
Work memory	256 KB
Supply	24 V DC; permitted range 19.2 to 28.8 V DC
Interfaces	MPI plus second PROFIBUS DP master/device interface
Typical power loss	4.5 W
Device dimensions	40 × 125 × 130 mm (W × H × D)
Approximate device weight	290 g
Siemens net weight	0.331 kg
Siemens packaging dimensions	13.10 × 15.30 × 5.20 cm
Required memory	SIMATIC Micro Memory Card, up to 8 MB
Country of origin	Germany
Lifecycle	PM410 product cancellation since 1 October 2025; Siemens lists it as a spare part

Verification Note

Use the complete 6ES7315-2AH14-0AB0 identifier. Siemens lists 6ES7315-2AH14-0AB0 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 the PLC program, manages central and distributed S7-300 I/O, and exchanges cyclic process data and diagnostics with configured PROFIBUS DP stations while the required Micro Memory Card stores the load program.
- Maintains the documented SIMATIC S7-300 modular 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
Distributed machine automation	Controls local S7-300 modules and remote PROFIBUS DP I/O
Material handling	Coordinates drives, sensors, and stations through deterministic DP exchange
Production cells	Runs sequence logic and gathers device diagnostics
Installed-base support	Maintains projects built around CPU 315-2 DP hardware and firmware

Compatible Components

- SIMATIC S7-300 rack, power supply, and signal modules
- SIMATIC Micro Memory Card up to the published 8 MB maximum
- PROFIBUS DP slaves configured in the validated STEP 7 project
- MPI programming and operator devices with verified network parameters

Lifecycle Status

Siemens lists 6ES7315-2AH14-0AB0 in PM410 product cancellation since 1 October 2025 and identifies it as a spare part.

4. Installation Precautions

- Project match: Confirm CPU 315-2 DP hardware status 01 and firmware V3.3 in STEP 7
- DP network: Verify master/device role, station address, cable, termination, and baud rate
- Memory: Use the required Micro Memory Card and retain an offline project backup
- Rack: Check module order, backplane connectors, power budget, and grounding
- Startup: Compare diagnostic buffer and DP station status with the approved baseline

STOP - Verify before installation

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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 6ES7315-2AH14-0AB0: <https://mall.industry.siemens.com/mall/en/oeii/Catalog/Product/6ES7315-2AH14-0AB0>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7315-2ah14-0ab0>

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.

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