

APTER POWER PRODUCT MANUAL

6ES7315-2EH14-0AB0

SIMATIC S7-300 CPU 315-2 PN/DP

The Siemens 6ES7315-2EH14-0AB0 is a SIMATIC S7-300 CPU 315-2 PN/DP central processing unit with 384 KB work memory, a 12 Mbit/s MPI/DP interface, and an Ethernet PROFINET interface with an integrated two-port switch. It executes the automation program, coordinates S7-300 and distributed I/O, and exchanges process data, alarms, and diagnostics across configured PROFIBUS DP and PROFINET networks.

Manufacturer	Siemens
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

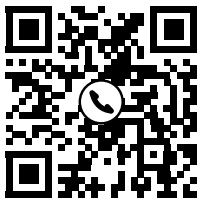
Two industrial networks, one carefully verified control core.

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SCAN FOR PRODUCT & QUOTE
6ES7315-2EH14-0AB0

1. Product Overview and Identity

The Siemens 6ES7315-2EH14-0AB0 is a SIMATIC S7-300 CPU 315-2 PN/DP central processing unit with 384 KB work memory, a 12 Mbit/s MPI/DP interface, and an Ethernet PROFINET interface with an integrated two-port switch. It executes the automation program, coordinates S7-300 and distributed I/O, and exchanges process data, alarms, and diagnostics across configured PROFIBUS DP and PROFINET networks.

Model Configuration

Field	Verified information
Complete model	6ES7315-2EH14-0AB0
Manufacturer	Siemens
Product description	SIMATIC S7-300 CPU 315-2 PN/DP

Key Features

- Exact Siemens MLFB 6ES7315-2EH14-0AB0
- SIMATIC S7-300 CPU 315-2 PN/DP
- 384 KB
- MPI/PROFIBUS DP, up to 12 Mbit/s; Ethernet PROFINET with integrated two-port switch
- 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 PN/DP
Hardware status	01
Firmware	V3.2
Work memory	384 KB
Supply	24 V DC; permitted range 20.4 to 28.8 V DC
First interface	MPI/PROFIBUS DP, up to 12 Mbit/s
Second interface	Ethernet PROFINET with integrated two-port switch
Typical power loss	4.65 W
Siemens net weight	0.379 kg
Siemens packaging dimensions	13.10 × 15.10 × 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 6ES7315-2EH14-0AB0 identifier. Siemens lists 6ES7315-2EH14-0AB0 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 automation program, coordinates S7-300 and distributed I/O, and exchanges process data, alarms, and diagnostics across configured PROFIBUS DP and PROFINET networks.
- Maintains the documented SIMATIC S7-300 modular PLC with PROFINET and PROFIBUS role for this complete article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

Application Areas

Application	System role
Mixed-network automation	Bridges project control across PROFINET and PROFIBUS device layers
Networked production cells	Processes I/O data and diagnostics through the integrated two-port switch
Machine line control	Coordinates local S7-300 modules with remote PN and DP stations
Brownfield modernization	Supports controlled migration where both installed buses remain in service

Compatible Components

- SIMATIC S7-300 rack, compatible power supply, and signal modules
- SIMATIC Micro Memory Card required for the load program
- PROFINET IO devices matched to the STEP 7 hardware configuration and device names
- PROFIBUS DP devices with verified GSD, address, and bus parameters

Lifecycle Status

Siemens lists 6ES7315-2EH14-0AB0 in PM410 product cancellation since 1 October 2025 and identifies it as a spare part.

4. Installation Precautions

- Network identity: Verify PROFINET device name, IP address, subnet, topology, and port assignment
- DP segment: Confirm station addresses, termination, shielding, and baud rate
- Firmware/project: Match hardware status 01 and firmware V3.2 to the STEP 7 configuration
- Memory: Use the required Micro Memory Card and preserve the current project and diagnostic baseline
- Commissioning: Validate PN and DP diagnostics separately before enabling machine motion

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 6ES7315-2EH14-0AB0: <https://mall.industry.siemens.com/mall/en/oeii/Catalog/Product/6ES7315-2EH14-0AB0>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7315-2eh14-0ab0>

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 or contact sales13@apterpower.com.