

APTER POWER INSTALLATION & VERIFICATION REFERENCE

6ES7416-2FN05-0AB0

A separate model-specific field checklist

Use this reference to verify the exact Siemens component before installation, substitution, or recommissioning. It intentionally does not repeat unconfirmed values.

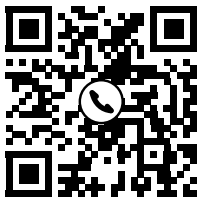
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

A safety CPU replacement is a validation project, not a part swap.

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SCAN FOR PRODUCT & QUOTE
6ES7416-2FN05-0AB0

1. Pre-Installation Verification

Step	Check	Required evidence
1	Identity	Match every character of 6ES7416-2FN05-0AB0 to the physical label; record revision and serial data.
2	Host system	Confirm rack, slot, CPU/drive/controller, firmware, project, and machine-builder approval.
3	Electrical	Verify supply, signal type, channel limits, grounding, shielding, and connector pinout from the exact Siemens document.
4	Mechanical	Confirm form factor, keying, mounting, clearances, cable routing, and environmental limits.
5	Lifecycle	Siemens records product cancellation for 6ES7416-2FN05-0AB0 from 1 December 2016 and lists 6ES7416-2FP07-0AB0 as substitute.
6	Commissioning	Apply the original test procedure and record results before returning the equipment to service.

Product-Specific Precautions

- Safety project: Preserve the validated F-program, safety signature, hardware versions, and acceptance record
- Software: Confirm the approved STEP 7 and Distributed Safety versions before opening or downloading
- PROFIBUS: Verify F-addresses, monitoring times, baud rates, termination, and device versions
- Substitution: Treat 6ES7416-2FP07-0AB0 as a migration, not an automatic drop-in replacement
- Acceptance: Perform the required proof test and document every safety-function result

2. Commissioning Record

Record item	Site entry
Physical model / MLFB	
Serial or revision	
Host system / machine	
Rack / slot / location	
Firmware / project backup	
Connector and wiring verified	
Functional test result	
Technician / date	

Source Basis

Siemens Industry Mall product data and Siemens Safety Engineering system manual for complete article number 6ES7416-2FN05-0AB0: https://support.industry.siemens.com/cs/attachments/12490443/s7_safety_engineering_system_manual_en-US_en-US.pdf

Important Notice

This Apter Power checklist is not a Siemens installation instruction. The current Siemens documentation, the physical nameplate, the host-equipment manual, and applicable safety rules control all work.

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