

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Siemens 6ES7516-3AN02-0AB0

CPU 1516-3 PN/DP

PRODUCT	6ES7516-3AN02-0AB0
SUPPLY	24 V DC
INTERFACES	PROFINET IRT; PROFINET RT; PROFIBUS
MEMORY CARD	SIMATIC Memory Card required

Prepared from the exact Siemens data sheet and S7-1500 installation requirements. This guide does not replace the controlled Siemens system manual or safety documentation.

01 CONFIRM THE CONFIGURATION

Article Number	6ES7516-3AN02-0AB0
CPU	CPU 1516-3 PN/DP
Program / Data Memory	1 MB / 5 MB
Interfaces	PROFINET IRT; PROFINET RT; PROFIBUS
Safety / Runtime	Standard CPU

02 BEFORE INSTALLATION

- Verify the complete Siemens article number and approved hardware configuration.
- De-energize the S7-1500 station and connected circuits before work.
- Use the correct mounting rail, connectors and 24 V DC power arrangement.
- Insert the required SIMATIC Memory Card before commissioning.
- Use controlled STEP 7 project data and access protection.

03**MOUNTING AND CONNECTION**

- Install the CPU in a documented S7-1500 mounting position.
- Connect the 24 V DC supply with correct polarity and protective grounding.
- Connect only the interfaces documented for this exact CPU article.
- Maintain enclosure, temperature and clearance requirements from the Siemens system manual.
- Do not alter safety wiring or the F-configuration without an approved safety procedure.

04**ENGINEERING AND COMMISSIONING**

- Configure the CPU with a supported STEP 7 TIA Portal version.
- Load the controlled standard and, where applicable, fail-safe program.
- Verify device names, addresses and interface diagnostics.
- Test all standard and safety functions under the validated commissioning plan.
- Record the installed article number, firmware and baseline diagnostics.

05

FINAL CHECKS

- Confirm a stable 24 V DC supply and normal CPU LED status.
- Check the SIMATIC Memory Card and project compatibility.
- Verify all configured PROFINET and PROFIBUS devices where applicable.
- Complete functional testing before releasing the equipment to service.
- Retain controlled Siemens documentation with the maintenance record.

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CONTROLLED SOURCE

Manufacturer	Siemens AG
Exact Article	6ES7516-3AN02-0AB0
Technical Source	Siemens data sheet
Commodity Code	85371091