

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Siemens 6ES7513-1FL02-0AB0
SIMATIC S7-1500F CPU 1513F-1 PN

PRODUCT	6ES7513-1FL02-0AB0
SUPPLY	24 V DC
NETWORK	PROFINET IRT
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	6ES7513-1FL02-0AB0
CPU	1513F-1 PN
Program / Data Memory	450 KB / 1.5 MB
Interface	PROFINET IRT, two-port switch
Safety	SIL 3 / PL e

02 BEFORE INSTALLATION

- Verify the complete 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 approved STEP 7 Safety project data and access protection.

03**MOUNTING AND CONNECTION**

- Install the CPU in the documented horizontal or vertical S7-1500 mounting position.
- Connect the 24 V DC supply with correct polarity and protective grounding.
- Connect PROFINET through the integrated X1 interface and verify both switch ports.
- Maintain enclosure, temperature and clearance requirements from the Siemens system manual.
- Do not alter fail-safe wiring or the F-configuration without the approved safety procedure.

04**ENGINEERING AND SAFETY**

- Configure the CPU with a supported STEP 7 TIA Portal version.
- Load the standard and fail-safe programs using controlled project data.
- Confirm the collective F-signature and safety-mode status.
- Verify PROFINET device names, addresses and diagnostic status.
- Apply the required access and write protection for standard and fail-safe blocks.

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COMMISSIONING CHECKS

- Confirm stable 24 V DC supply and normal CPU LED status.
- Check the SIMATIC Memory Card and project compatibility.
- Verify all configured PROFINET devices and safety communications.
- Test standard and fail-safe functions according to the validated commissioning plan.
- Record the installed article number, firmware, F-signature and baseline diagnostics.

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REPLACEMENT NOTICE

Siemens lists this article as cancelled and identifies 6ES7513-1FM03-0AB0 as its successor. Replacement requires engineering review of hardware, firmware, memory, performance, TIA Portal support, safety configuration and PROFINET settings; it is not a blind plug-in substitution.

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CONTROLLED SOURCE

Manufacturer	Siemens AG
Exact Article	6ES7513-1FL02-0AB0
Technical Source	Siemens data sheet dated 07/19/2018
Lifecycle Source	Siemens Industry Mall