

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

Siemens 6ES7510-1DJ01-0AB0

SIMATIC ET 200SP | CPU 1510SP-1 PN controller

PROGRAM	DATA	NETWORK	SUPPLY
100 KB	750 KB	PROFINET	24 V DC

For qualified personnel. Follow the complete applicable manufacturer instructions and site safety procedures. Secure the machine and isolate affected circuits before installation, removal or wiring changes.

01

PREPARATION & CONNECTION

Station preparation	Confirm the CPU identity, supported module arrangement and complete ET 200SP system instructions.
Load memory	Provide a supported SIMATIC Memory Card containing the correct project.
Network adapter	Fit the supported BusAdapter required for ports 1 and 2; match its physical network connectors.
DC supply	X80: 1L+ and 1M for supply; 2L+ and 2M for loop-through; observe the 10 A loop-through limit.
Project configuration	Match installed firmware, engineering version, network role and configured I/O.
Ambient conditions	Use the applicable horizontal or vertical mounting temperature limit; prevent condensation.

Instruction basis: M legal page and printed pp.3,13,15,21,28-32,39. This guide is not a substitute for a controlled installation procedure.

02

COMMISSIONING & FUNCTIONAL CHECKS

- Check the 19.2-28.8 V DC supply and the configured station power budget.
- Verify the intended IO controller, I-device or standalone operating role.
- Confirm device names, network addressing and the expected PROFINET topology.
- Restore the validated application and inspect CPU and I/O diagnostics before enabling outputs.
- Apply the complete ET 200SP system safety instructions and a controlled machine functional test.

03

MANUFACTURER INSTRUCTIONS

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Read the complete safety, mounting, wiring and commissioning sections for the selected product and revision. Referenced accessories are not included unless expressly stated in the quotation.

04

BEFORE RETURN TO SERVICE

Verify the product label, configuration, protective measures and expected system response. Restore power in a controlled manner and complete the site functional test before normal operation.