

APTER POWER INSTALLATION & VERIFICATION REFERENCE

6ES7136-6BA00-0CA0

Field checklist for fail-safe signal acquisition and safety validation

ENGINEERING LENS	FAIL-SAFE SIGNAL ACQUISITION AND SAFETY VALIDATION
SYSTEM	SIMATIC ET 200SP fail-safe I/O
SOURCE CONTROL	Manufacturer-published information only

This separate field reference focuses on fail-safe signal acquisition and safety validation. It does not replace the current Siemens installation, safety, or commissioning instructions.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

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SCAN FOR PRODUCT & QUOTE
6ES7136-6BA00-0CA0

1. Pre-Installation Decision Gates

Step	Gate	Required evidence
1	Identity	Match every character of 6ES7136-6BA00-0CA0; photograph all labels, revisions, and option markings.
2	Host architecture	Confirm the exact SIMATIC ET 200SP fail-safe I/O rack, slot, controller, project, and approved topology.
3	Primary risk	Document the evidence for fail-safe signal acquisition and safety validation before disconnection or energization.
4	Electrical / signal	Verify supply, signal type, range, polarity, grounding, shielding, pinout, and load from the exact manufacturer document.
5	Lifecycle	Siemens lists the product as a spare part and identifies 6ES7136-6BA01-0CA0 as its successor; official data showed phase-out effective October 1, 2024.
6	Commissioning	Use the manufacturer test procedure, capture measured results, and obtain release authorization before return to service.

Model-Specific Precautions

- Match every character of 6ES7136-6BA00-0CA0 to the physical nameplate before work.
- Use the exact Siemens manual, wiring drawing, and safety instructions for the installed revision.
- De-energize and apply the required lockout, discharge, ESD, and stored-energy controls before removal.
- Back up firmware, parameters, controller project, calibration, and network settings where applicable.
- Verify supply, signal type, polarity, grounding, shielding, connector pinout, load, and environmental limits.
- Commission with the manufacturer test procedure and record results before returning equipment to service.

2. Wiring, Configuration and Commissioning Record

Record item	Site entry
Physical model / article	
Serial / hardware revision	
Host system / machine	
Rack / slot / physical location	
Supply and grounding checked	
Signal type / range / pinout	
Firmware / project / calibration backup	
Functional or safety test result	
Technician / reviewer / date	

Stop Condition

Do not energize 6ES7136-6BA00-0CA0 if any suffix, supply, pinout, host-system assignment, safety classification, or fail-safe signal acquisition and safety validation requirement remains unresolved.

3. Source Basis and Field Handover

Official manufacturer source

Siemens SiePortal product data and F-DI 8x24VDC HF Equipment Manual for 6ES7136-6BA00-0CA0.

<https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7136-6BA00-0CA0>

Handover Checklist

Handover item	Status
Manufacturer document attached	
Nameplate photographs archived	
Project / settings backup archived	
Test evidence approved	
Lifecycle or migration action recorded	

Important Notice

This Apter Power checklist is not a Siemens installation instruction. The current manufacturer documentation, physical nameplate, host-equipment manual, safety study, and site procedures control all work.

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