

APTER POWER INSTALLATION & VERIFICATION REFERENCE

6ES7288-1ST40-0AA1

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                        |
| Document ID  | AP-SIE-07-6ES7288-1ST40-0AA1-IV-R1 |
| Revision     | R1                                 |
| Issue date   | 2026-08-18                         |

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

16 solid-state outputs for verified high-speed  
SMART control.

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SCAN FOR PRODUCT & QUOTE  
6ES7288-1ST40-0AA1

## 1. Pre-Installation Verification

| Step | Check         | Required evidence                                                                                                       |
|------|---------------|-------------------------------------------------------------------------------------------------------------------------|
| 1    | Identity      | Match every character of 6ES7288-1ST40-0AA1 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     | Current 0AA1 standard CPU article documented by Siemens; confirm regional ordering status at quotation.                 |
| 6    | Commissioning | Apply the original test procedure and record results before returning the equipment to service.                         |

### Product-Specific Precautions

- Identity: Match the complete 6ES7288-1ST40-0AA1 MLFB, CPU ST40 marking, hardware, and firmware
- Power: Verify 24 V DC nominal; 20.4 to 28.8 V DC permissible and isolate all sources before wiring or removal
- I/O: Observe every channel voltage, current, group common, polarity, and protective-device limit
- Project: Back up and match the STEP 7 Micro/WIN SMART configuration, addresses, communications, and retentive data
- Panel: Use DIN-rail mounting, protective earth, segregation, ventilation, and orientation limits from Siemens

## 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 official technical data sheet for 6ES7288-1ST40-0AA1: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7288-1ST40-0AA1>; Siemens S7-200 SMART System Manual: [https://support.industry.siemens.com/cs/attachments/109745610/s7-200\\_SMART\\_system\\_manual\\_en-US.pdf](https://support.industry.siemens.com/cs/attachments/109745610/s7-200_SMART_system_manual_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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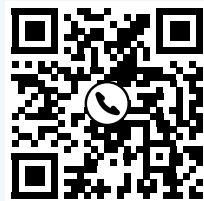
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