

APTER POWER INSTALLATION & VERIFICATION REFERENCE

6DD1640-0AH0

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.

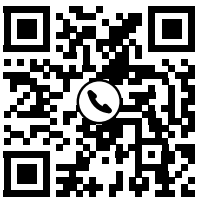
|              |                              |
|--------------|------------------------------|
| Manufacturer | Siemens                      |
| Prepared by  | Apter Power                  |
| Document ID  | AP-SIE-11-6DD1640-0AH0-IV-R1 |
| Revision     | R1                           |
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

One TDC Signal Hub for Analog, Binary, and Encoder Data.

WHATSAPP / PHONE +86 180 3023 5313  
EMAIL sales13@apterpower.com  
WEBSITE www.apterpower.com



SCAN FOR PRODUCT & QUOTE  
6DD1640-0AH0

## 1. Pre-Installation Verification

| Step | Check         | Required evidence                                                                                                                               |
|------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Identity      | Match every character of 6DD1640-0AH0 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     | 6DD1640-0AH0 belongs to the legacy SIMATIC TDC hardware generation covered by the reviewed manual. Confirm current service status with Siemens. |
| 6    | Commissioning | Apply the original test procedure and record results before returning the equipment to service.                                                 |

### Product-Specific Precautions

- Use only the channel wiring and cable types specified for SM500
- Check SC62 cable routing and interface-module assignment
- Observe ESD controls
- Verify analog reference and grounding
- Back up the TDC project before changing the module

## 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 SIMATIC TDC Hardware manual, SM500 signal-module section.

### 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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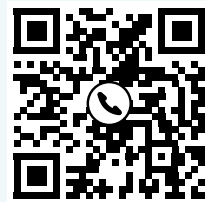
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