

APTER POWER INSTALLATION & VERIFICATION REFERENCE

6DD1681-0AJ1

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
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Ten Signals, One Transparent 1:1 Transition.

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



SCAN FOR PRODUCT & QUOTE
6DD1681-0AJ1

1. Pre-Installation Verification

Step	Check	Required evidence
1	Identity	Match every character of 6DD1681-0AJ1 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	The 2024 Siemens interface-module documentation continues to identify SU12 article 6DD1681-0AJ1. Confirm current ordering and service availability with Siemens.
6	Commissioning	Apply the original test procedure and record results before returning the equipment to service.

Product-Specific Precautions

- Do not treat SU12 as an isolator or level converter
- Verify the host connector pinout before wiring
- Preserve signal reference and shielding
- Label every direct 1:1 circuit
- Follow ESD and de-energized-work requirements

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 Interface Modules for SIMATIC TDC / FM 458-1DP Product Information, SU12 section, article 6DD1681-0AJ1.

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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