

APTER POWER INSTALLATION & VERIFICATION REFERENCE

6ES7221-3BD30-0XB0

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

Four compact 24 V inputs for fast S7-1200 events.

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SCAN FOR PRODUCT & QUOTE
6ES7221-3BD30-0XB0

1. Pre-Installation Verification

Step	Check	Required evidence
1	Identity	Match every character of 6ES7221-3BD30-0XB0 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	Siemens lists 6ES7221-3BD30-0XB0 as PM300 active, with product phase-out scheduled from 1 November 2026.
6	Commissioning	Apply the original test procedure and record results before returning the equipment to service.

Product-Specific Precautions

- CPU support: Confirm the exact S7-1200 CPU hardware and signal-board slot compatibility
- Input type: Use only the documented 24 V DC sourcing circuit and observe terminal polarity
- High-speed wiring: Control cable length, shielding, grounding, noise, and edge quality
- TIA Portal: Assign channels, filters, counters, and interrupt behavior in the approved project
- Commissioning: Test each input at operating speed and confirm no false counts or missed pulses

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 Industry Mall product record for 6ES7221-3BD30-0XB0:

<https://mall.industry.siemens.com/mall/en/oeii/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7221-3BD30-0XB0>

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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