

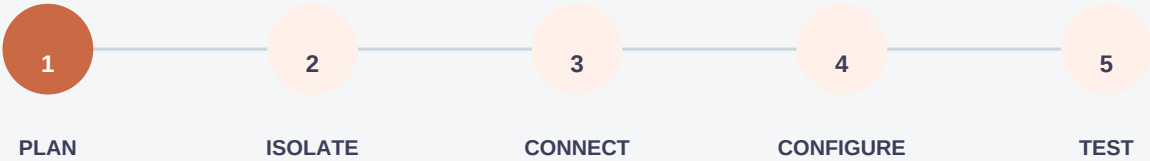
6AV6545-0CA10-0AX0

SIMATIC TP270 6-inch Touch Panel

CONTROLLED ENGINEERING COPY

Siemens 6AV6545-0CA10-0AX0 is a SIMATIC TP270 6-inch touch panel with a 5.7-inch STN color display and 2 MB configuration memory. It is configurable with ProTool from version V6.0.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6AV6545-0CA10-0AX0
Manufacturer	Siemens
System family	SIMATIC HMI TP270
Record scope	Installation, application and verification



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 6AV6545-0CA10-0AX0 marking and the documented SIMATIC TP270 6-inch Touch Panel execution.
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.
- 5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

MATCHED HARDWARE

- Siemens 6AV6545-0CA10-0AX0 with complete article identity
- Matched SIMATIC HMI TP270 host or connected equipment
- Documented power, signal and communication interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6AV6545-0CA10-0AX0 recorded
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms touch-based process visualization and operator control in a configured SIMATIC automation system

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product designation	SIMATIC TP270 6-inch Touch Panel
Display size	5.7 inch
Display technology	STN color display
Operator method	Touch operation
Configuration memory	2 MB
Configuration software	ProTool V6.0 or later
Message capacity	Up to 4000 messages
Bit messages	Up to 2000
Analog messages	Up to 2000
Alarm classes	32
Process values per message	8
SIMATIC S7 status/control	Supported

RELATED PRODUCT PAGES

1 Siemens A5E36717793

2 Siemens A5E36717811

3 Siemens 6SE7041-8HK85-1HA0

4 Siemens 6SL3200-0SP01-0AA0

5 Siemens 6SE7041-8EK85-1HA0

6 Siemens 6SE7041-8EK85-0HA0

7 Siemens 6SE7041-8GK85-0HA0

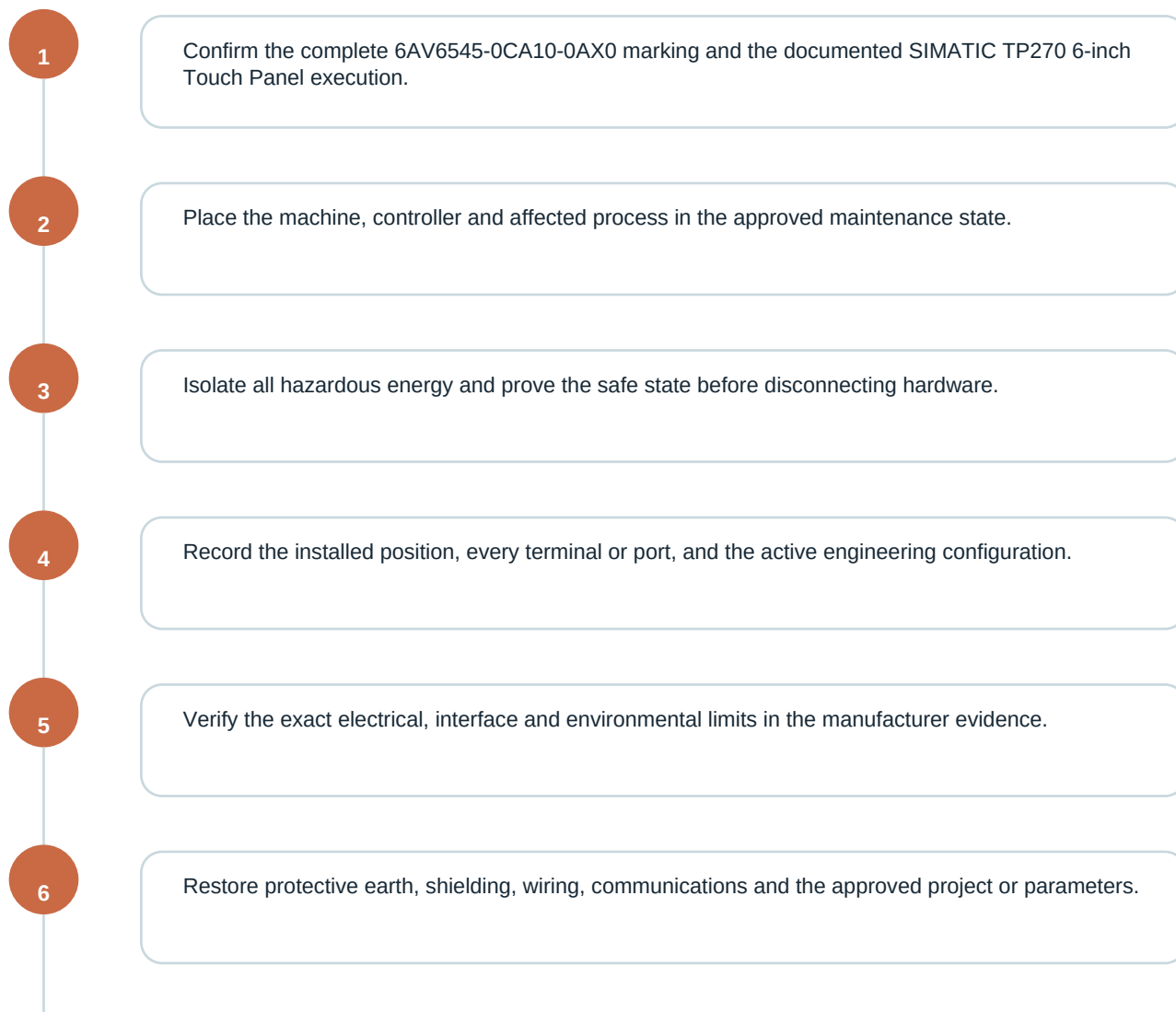
8 Siemens 6RA8075-6DS22-0AA0

9 Siemens 6SL3350-6TK00-0BA0

FIELD NOTE

Confirm 6AV6545-0CA10-0AX0, its exact SIMATIC HMI TP270 host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6AV6545-0CA10-0AX0
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms touch-based process visualization and operator control in a configured SIMATIC automation system

04 RETURN-TO-SERVICE RECORD

- ☐
- Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐
- Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐
- Energize under control and review all device, rack, network and process diagnostics.
- ☐
- Complete a controlled functional test of touch-based process visualization and operator control in a configured SIMATIC automation system before release.

VERIFICATION RECORD

PRODUCT IDENTITY	6AV6545-0CA10-0AX0
INSTALLED POSITION	Documented SIMATIC HMI TP270 position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐
- Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐
- Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐
- Energize under control and review all device, rack, network and process diagnostics.
- ☐
- Complete a controlled functional test of touch-based process visualization and operator control in a configured SIMATIC automation system before release.

SOURCE IDENTIFIERS

Siemens product data sheet and official TP270 conformity record for 6AV6545-0CA10-0AX0 | Official manufacturer evidence verified 28 September 2026