6AV6643-0AA01-1AX0

01 / Identity and preparation

TP 277 Touch Panel

Siemens 6AV6643-0AA01-1AX0 is a six-inch SIMATIC TP 277 operator panel. It presents machine and process information through the configured HMI project and allows operators to work with approved screens, alarms and controls at the installation point. Its actual interface behavior follows the loaded WinCC flexible project and connected automation system.

System position



Pre-work checks

Exact marking	Confirm the complete 6AV6643-0AA01-1AX0 label, revision and physical execution.
Host configuration	Check the intended SIMATIC HMI TP 277 host, connections and fitted accessories.
Configuration record	Retain the installed parameters, addressing and wiring information for 6AV6643-0AA01-1AX0.
Functional release	Verify affected tp 277 touch panel functions and diagnostics after installation.

Match the complete unit

Check the full 6AV6643-0AA01-1AX0 marking and any hardware revision against the installation record.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

6AV6643-0AA01-1AX0

02 / Verification and handover

Isolate the installation

Follow the approved SIMATIC HMI TP 277 isolation and stored-energy procedure before handling the unit.

Preserve the connection record

Label and photograph the tp 277 touch panel connections, terminations and mounting before removal.

Preserve the HMI project

Back up the WinCC flexible project, communication settings and operator permissions before exchange.

Protect the hardware

Use suitable electrostatic-discharge and mechanical protection while handling connectors, boards and retaining parts.

Verify the affected functions

After fitting 6AV6643-0AA01-1AX0, check diagnostics and the relevant I/O or process response under the site acceptance plan.

Accept the installed result

Verify affected tp 277 touch panel functions and diagnostics after installation.

Application boundary

The characteristics above describe the identified SIMATIC HMI TP 277 execution of 6AV6643-0AA01-1AX0. Optional functions, connected devices and installed revisions must be checked against the complete marking and approved project configuration.

Related Siemens references

Siemens A5E30947477-H4

Siemens 6FC5370-4AM20-0AA0

Siemens 6FC5370-8AA20-0AA0

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.