6AV6643-0AA01-1AX0

01 / Identity and system function

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.

Product position



Technical characteristics

Product type	Six-inch touch operator panel
HMI family	SIMATIC TP 277
Engineering environment	WinCC flexible project dependent
Migration context	TP700 Comfort is a project migration path, not a drop-in equivalent

System integration

The TP 277 belongs to the earlier SIMATIC HMI generation. Screen objects, tag addresses, communication settings, user access and alarm handling are project-dependent rather than fixed by the panel model alone. Preserve the HMI project and record the installed firmware and communication connections before replacing a panel.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

6AV6643-0AA01-1AX0

02 / Engineering data and service scope

Further characteristics

Configuration and service

A newer Siemens Comfort Panel is a migration path for the TP 277 family, not a plug-in replacement. A migration requires checking panel cutout, wiring, communication drivers, project conversion and operator functions against the installed machine. Restore a backed-up project only after verifying that the offered panel marking matches 6AV6643-0AA01-1AX0 and the site's approved configuration.

Applicability

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.

Technical basis

Siemens SIMATIC HMI product lifecycle overview; Siemens Comfort Panels migration instructions.

What is the product type of Siemens 6AV6643-0AA01-1AX0?

Six-inch touch operator panel.

What is the hmi family of Siemens 6AV6643-0AA01-1AX0?

SIMATIC TP 277.

What is the engineering environment of Siemens 6AV6643-0AA01-1AX0?

WinCC flexible project dependent.

Related Siemens references

Siemens A5E30947477-H4

Siemens 6FC5370-4AM20-0AA0

Siemens 6FC5370-8AA20-0AA0

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