

SIMATIC HMI MULTI PANELS

Product Data Sheet

6AV6643-0DD01-1AX0

SIMATIC MP277 multipanel HMI

FUNCTION SIMATIC MP277 multipanel HMI	FAMILY SIMATIC HMI Multi Panels	ORIGIN Germany	WEIGHT Confirm before dispatch
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Siemens Simatic HMI 6AV6643-0DD01-1AX0 is a SIMATIC MP277 multipanel HMI for the SIMATIC HMI Multi Panels. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6AV6643-0DD01-1AX0
Product Class	Simatic Mp277 Multipanel Hmi
Product Family	SIMATIC HMI Multi Panels
Supply Voltage	24 V DC
Display Type	Industrial TFT operator display
Touch Input	Resistive touch screen
Communication	PROFINET Ethernet
Serial Interface	RS 422/485 class
USB Interface	Host or device port
Configuration	WinCC engineering software

ADDITIONAL PRODUCT DATA

Alarm Buffer	Retentive message archive
Front Protection	IP65 installed
Operating Temperature	0 to +50 °C class

OFFICIAL APPLICATIONS

- Balance utility distribution with Simatic Mp277: As part of the steam, cooling and instrument-air headers, 6AV6643-0DD01-1AX0 performs its assigned control role as a SIMATIC MP277 multipanel HMI. During utility constraint, the system uses this function to prioritize process users from measured demand, helping it protect production continuity during the constraint.
- Align robotic handling with Simatic Mp277 process control: As part of the robots, grippers and transfer fixtures, 6AV6643-0DD01-1AX0 provides its specified system function as a SIMATIC MP277 multipanel HMI. During fault recovery, the system uses this function to restore the cell from a defined intermediate state, helping it resume material flow without losing part identity.
- Balance ingredient dosing with Simatic Mp277 process control: For the coordinated operation of the batch vessels and dosing valves, 6AV6643-0DD01-1AX0 supports the configured automation role as a SIMATIC MP277 multipanel HMI. During batch release, the system uses this function to align measured quantities with the active batch step, helping it hold dosing accuracy through the cycle.

SYSTEM COMPATIBILITY

Match 6AV6643-0DD01-1AX0 to the installed SIMATIC HMI Multi Panels, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6AV6643-0DD01-1AX0>

AMIKON PRODUCT SUPPORT

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