

SIMATIC HMI PANELS

Product Data Sheet

6AV6642-0BA01-1AX1

SIMATIC operator touch panel

FUNCTION SIMATIC operator touch panel	FAMILY SIMATIC HMI Panels	ORIGIN Germany	WEIGHT Confirm before dispatch
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Siemens Simatic HMI 6AV6642-0BA01-1AX1 is a SIMATIC operator touch panel for the SIMATIC HMI Panels. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6AV6642-0BA01-1AX1
Product Class	Simatic Operator Touch Panel
Product Family	SIMATIC HMI Panels
Display Technology	5.7-inch TFT
Display Resolution	320 × 240 pixels
Color Capability	256 colors
User Memory	2 MB
Communication Ports	PROFINET / PROFIBUS
Operator Input	Resistive touch / function keys
Supply Class	24 V DC

ADDITIONAL PRODUCT DATA

Configuration Software	SIMATIC WinCC
Recipe Support	Persistent recipe records
Alarm System	Message buffer and acknowledgement
Front Protection	IP65 installed

OFFICIAL APPLICATIONS

- Coordinate ingredient dosing with Simatic Operator: For the coordinated operation of the batch vessels and dosing valves, 6AV6642-0BA01-1AX1 performs its assigned control role as a SIMATIC operator touch panel. 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.
- Regulate distillation control with Simatic Operator: For the coordinated operation of the columns, reboilers and reflux circuits, 6AV6642-0BA01-1AX1 performs its assigned control role as a SIMATIC operator touch panel. During feed-composition change, the system uses this function to coordinate temperature, pressure and inventory loops, helping it maintain separation performance.
- Control raw-water pumping with Simatic Operator: Inside the intake pumps and wet wells, 6AV6642-0BA01-1AX1 handles its designated signal or control duty as a SIMATIC operator touch panel. During peak-flow demand, the system uses this function to coordinate pump duty and level response, helping it maintain hydraulic continuity.

SYSTEM COMPATIBILITY

Match 6AV6642-0BA01-1AX1 to the installed SIMATIC HMI 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/6AV6642-0BA01-1AX1>

AMIKON PRODUCT SUPPORT

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