

## 6AV6642-0AA11-0AX1

Industrial automation components

<b>Manufacturer</b>	Siemens
<b>Catalog number</b>	6av6642-0aa11-0ax1
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	0.68 kgs
<b>Interface Type</b>	profibus
<b>Relay Specifications</b>	177 A
<b>Current</b>	177 A
<b>Display Size</b>	5.7 inches in
<b>Display Resolution</b>	320 x 240 pixels
<b>Processor Type</b>	ARM
<b>Memory Size</b>	512 kbyte kB
<b>Dimensions</b>	212 x 156 x 44 mm
<b>Weight</b>	0.75 kg
<b>Current Consumption</b>	0.24 A
<b>Active Power Input</b>	6 W
<b>MTBF</b>	50,000 hours

## Description

The Siemens 6AV6642-0AA11-0AX1 is a 5.7-inch SIMATIC Touch Panel TP 177A, designed for industrial automation applications. It features a blue-mode STN display with a resolution of 320 x 240 pixels, providing clear and reliable visual feedback. The panel offers two interface options: one RS 422 and one RS 485, supporting communication speeds up to 1.5 Mbit/s, ensuring versatile connectivity within automation systems. Configurable via WinCC flexible 2004 Compact HSP, it allows for tailored user interfaces to meet specific operational requirements. The device operates on a DC supply voltage with a rated input current of 0.24 A and an active power input of 6 W, making it energy-efficient for continuous industrial use. The ARM processor ensures responsive performance, while the 512 kbyte memory available for user data supports complex applications. With dimensions of 212 x 156 x 44 mm and a weight of 0.75 kg, the panel is designed for easy integration into various industrial environments. Its vertical mounting position and maximum permissible angle of inclination of 35° without external ventilation offer flexible installation options. The device is built to withstand industrial conditions, with an MTBF (Mean Time Between Failures) of 50,000 hours, indicating high reliability over time. This touch panel is ideal for applications requiring robust and efficient human-machine interfaces in industrial settings.