

## A06B-6151-H045#H580

Industrial automation components

<b>Manufacturer</b>	Fanuc
<b>Catalog number</b>	a06b-6151-h045h580
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	9.07 kgs
<b>Current</b>	107 A
<b>Power</b>	50 kW
<b>Horsepower</b>	50 KW
<b>Cooling Capacity</b>	50 kW
<b>Measurement Range</b>	565 - 679
<b>Signal Level</b>	679 V
<b>Relay Specifications</b>	107 A
<b>Voltage</b>	565 - 679 V
<b>Product Type</b>	Drive

## Description

The Fanuc A06B-6151-H045#H580 is a high-performance spindle amplifier module from Fanuc's ALPHA i series, specifically designed for precise control in industrial applications. This module, identified as the AiSP-45HV model, operates efficiently within a temperature range of 0 to 40 degrees Celsius, ensuring reliable performance in various manufacturing environments. It accepts an input voltage range of 565 to 679 VDC, providing flexibility across different power systems. The output specifications include a voltage of 480 V AC and a current of 107 A, delivering a power rating of 50 kW, which is suitable for high-demand spindle operations. The module features a Type 1 interface, compatible with standard sensor feedback systems, facilitating seamless integration into existing CNC setups. Its compact design, measuring 150 mm in width, includes both internal and external cooling fans along with an external heatsink, promoting effective thermal management during continuous operation. The AiSP-45HV model is optimized for panel-mounting and compact enclosures, making it ideal for retrofitting existing CNC systems or integrating into new equipment. This spindle amplifier module is commonly used in industries such as automotive production, aerospace manufacturing, metal fabrication, and electronics assembly, where precise spindle control is essential for machining precision parts, turbine blades, structural components, and PCB drilling.