

A06B-6112-H006#H550

Industrial automation components

Manufacturer	Fanuc
Catalog number	a06b-6112-h006h550
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	4.54 kgs
Input Voltage	283–339 V DC
Output Current	27 A
Width	90 mm
Cooling Method	Internal and external cooling fans with external heatsink
Built-in Diagnostics	Fault diagnostics and LED indicators

Description

The Fanuc A06B-6112-H006#H550 is an advanced spindle amplifier module from Fanuc's ALPHA i series, designed to provide precise and reliable control of spindle motors in CNC systems. This module is engineered for high-performance machining operations, ensuring smooth speed regulation and dependable torque output. It operates with a regulated 283–339 V DC input supplied by a Fanuc power module, delivering a rated output current of 27 A. The A06B-6112-H006#H550 features a compact design, measuring 90 mm in width, and includes both internal and external cooling fans along with an external heatsink to maintain optimal operating temperatures. Built-in fault diagnostics and LED indicators simplify maintenance, enabling operators to identify and resolve issues quickly. Overcurrent and overvoltage protections safeguard connected motors and the amplifier itself. This spindle amplifier is widely used in CNC machining centers, lathes, milling machines, and grinding systems, supporting high-speed machining processes such as drilling, tapping, contouring, and cutting, where precision and reliability are essential. Industries including automotive, aerospace, electronics, and general metal fabrication rely on the A06B-6112-H006#H550 to maintain production quality and efficiency.