

A06B-6111-H037#H550

Industrial automation components

Manufacturer	Fanuc
Catalog number	a06b-6111-h037h550
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	8.39 kgs
Input Voltage	283–339 V DC
Output Voltage	200–240 V AC
Rated Output Current	37 A
Power Capacity	5.5 kW
Cooling Method	Fan Cooling
Mounting Type	Panel Mount
Protection Class	IP20
Frequency Range	50–60 Hz
Operating Temperature	0°C to 55°C
Storage Temperature	-20°C to 60°C
Relative Humidity	5% to 95% (non-condensing)
Communication Interface	Optical Interface

Description

The Fanuc A06B-6111-H037#H550 is a high-performance spindle amplifier module designed for industrial automation applications, particularly in CNC machining and robotics. As part of Fanuc's ALPHA i series, this module ensures precise spindle control and reliable operation. Key features include a tapered shaft (TPR) and a brake (BRK) for stable positioning, a keyed shaft (Key) and a slick shaft (SLK) for smooth operation, and a flange mount (FLANGE) design for easy integration into existing systems. The module operates with an input voltage of 283–339 V DC and delivers an output voltage of 200–240 V AC, with a rated output current of 37 A and a power capacity of 5.5 kW. It features fan cooling and is designed for panel mounting. The protection class is IP20, and it operates within a frequency range of 50–60 Hz. The module is suitable for operating temperatures between 0°C and 55°C and storage temperatures from -20°C to 60°C, with a relative humidity range of 5% to 95% (non-condensing). It utilizes an optical communication interface and includes built-in overload protection. This module is ideal for applications requiring precise spindle control and reliable performance in demanding industrial environments.