

A06B-6240-H209

Industrial automation components

Manufacturer	Fanuc
Catalog number	a06b-6240-h209
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	4.08 kgs
Product Type	Dual-Axis AC Servo Amplifier Module
Rated Input Voltage	283-339 VDC
Rated Input Current	39 A at 283 V
Rated Output Voltage	200-240 VAC
Rated Output Current	22.5 A per axis
Output Frequency Range	0-550 Hz
Weight	6.8 kg

Description

The Fanuc A06B-6240-H209 is a dual-axis AC servo amplifier module from Fanuc's α SV 80/80-B series, engineered for precise motion control in industrial CNC systems. Designed to operate with Fanuc's α i series servo motors, it ensures high-speed, high-load performance with exceptional motion control accuracy. The module supports dual-axis control, streamlining cabinet layouts and facilitating synchronized motion for complex machining tasks. It utilizes FSSB (Fiber Optic Serial Servo Bus) high-speed serial communication, providing ultra-responsive and noise-immune data transfer between the CNC and the drive. This feature is particularly beneficial in environments with high electromagnetic interference. The A06B-6240-H209 is compatible with Fanuc's α iF and α iS servo motors, offering seamless integration and reliable performance. Built-in smart cooling and overload protection mechanisms, including integrated fans and regenerative braking circuitry, effectively manage thermal stress, enhancing the module's durability and reducing maintenance needs. Integrated alarm diagnostics communicate directly with the CNC, enabling advanced fault isolation and minimizing downtime. This module is ideal for applications such as 3-axis and 5-axis CNC machining centers, high-performance turning centers, robotic material handling arms, and automation cells requiring dual-axis synchronized motion. Its compact design and dual-axis functionality make it a top choice where space-saving and high-efficiency motion control are critical.