

## FANUC A06B-6124-H208

The FANUC A06B-6124-H208 is a servo amplifier module designed for precise control in motion applications. It operates on a three-phase power supply, ranging from 400 VAC to 480 VAC, and supports a control supply voltage of up to 240 VAC. Offering operation across two-axis amplifiers, it manages rated output currents of 13 A and 19 A, with nominal limits of 40 A and 80 A, respectively.

### Technical specifications for A06B-6124-H208

Manufacturer FANUC

Product Line A06B

Part Number A06B-6124-H208

Weight 18.00 lbs (8.16 kg)

Product Servo Amplifier Module

Operational Vibration Below 0.5G

Voltage Class 400V

Main Power Supply Voltage Three-phase 400 VAC to 480 VAC

Power Supply Voltage for Control Single-phase 200 VAC to 240 VAC

Allowable Voltage Deviation -15% to +10% (including voltage variation due to load)

Instantaneous Power Failure Guarantee Time 3 ms

Power Frequency 50/60 Hz,  $\pm 1$  Hz

Number of Axis Amplifier 2

Rated Output Current 13 A and 19 A

Nominal Current Limit 40 A and 80 A

Ambient Operational Temperature 0 to 55° C

Ambient Storage Temperature -20 to 60° C

Humidity Normally 90% RH or below and condensation free

### Description

The A06B-6124-H208 model from FANUC functions as a servo amplifier module, robustly engineered for demanding automation tasks. It accepts a three-phase power supply within the 400 VAC to 480 VAC range for optimal performance. The control supply operates on a single-phase voltage from 200 VAC to 240 VAC, making it versatile for various setups. The design accommodates two-axis amplifiers, enhancing its capacity to manage multiple motors efficiently.

This servo amplifier excels with rated output currents of 13 A and 19 A, allowing for flexible applications requiring different power levels. It can handle nominal current limits of 40 A and 80 A, which helps tailor its use to specific operational demands. Weighing 5.5 kg, this module is lightweight yet powerful.

You can contact us through the following contact information

[www.sparetechplc.com](http://www.sparetechplc.com) +86 180 3000 5825 [sales@sparetechplc.com](mailto:sales@sparetechplc.com)

The operational environment is also critical for the A06B-6124-H208. It operates effectively at temperatures ranging from 0 to 55 ° C. For storage, it withstands temperatures down to -20 ° C and up to 60 ° C, ensuring the unit is adaptable to various conditions. With humidity control being essential, the product is designed to function normally at 90% relative humidity or lower, provided condensation is absent. The instantaneous power failure guarantee is remarkable, with a recovery time of just 3 ms, which is crucial for maintaining continuity in high-speed applications.

The module is also defined by its minimal operational vibration, rated at below 0.5G, which maintains system integrity and performance. Furthermore, the allowable voltage deviation specification of -15% to +10% incorporates a level of resilience that seamlessly accommodates fluctuations due to varying loads. The A06B-6124-H208 servo amplifier module is designed for efficiency, reliability, and precision in industrial automation.



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