

FANUC A06B-6124-H209 Manual

Brand	FANUC
Product Series	FANUC
Product Type	-

Description

The A06B-6124-H209 from FANUC is a dual-axis servo amplifier module designed for robust performance in industrial environments. It is engineered to handle various electrical specifications for optimal motor control.

Technical specifications for A06B-6124-H209

Manufacturer FANUC

Product Line A06B

Part Number A06B-6124-H209

Weight 19.00 lbs (8.62 kg)

Product Description Servo Amplifier Module

Humidity Normally 90% RH or below and condensation-free

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 3ms

Power Frequency 50/60 Hz, ± 1 Hz

Number of Axis Amplifier 2

Rated Output Current 18.2 A (rms)

Nominal Current Limit 80 A (peak)

Ambient Operational Temperature 0 to 55°C

Ambient Storage Temperature -20 to 60°C

Description

The FANUC A06B-6124-H209 module functions as a servo amplifier that manages dual-axis operation. Rated for a maximum output current of 18.2 A (rms), this module also offers a peak current limit of 80 A. This capability allows it to effectively support demanding applications in automation fields.

The device's main power supply is designed to accept a three-phase input ranging from 400 to 480 VAC, ensuring compatibility with typical industrial voltage systems. For control tasks, it utilizes a single-phase supply voltage of 200 to 240 VAC. The allowable voltage deviation for reliable operation ranges from -15% to +10%, accounting for variations due to load fluctuations.

In terms of environmental tolerance, the A06B-6124-H209 maintains functionality in humidity levels up to 90% RH, provided that condensation is absent. The operational vibration level is capped at 0.5G, promoting stability during use. Its operational power frequency is specified at 50/60 Hz, with a tolerance of ± 1 Hz to ensure accuracy during operation.

With a weight of 5.5 kg, this module is manageable for installation tasks, and it guarantees protection against instantaneous power failures for up to 3 ms. The ambient temperature range of this module extends from 0°C to 55°C for active use, while it can be stored in temperatures as low as -20°C to a maximum of 60°C, which provides considerable flexibility for various operating environments.

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