

FANUC A06B-6127-H106 Manual

Brand	FANUC
Product Series	FANUC
Product Type	-

Description

The A06B-6127-H106 from FANUC is a specialized servo amplifier module operating within a voltage class of 400V. This component is designed for environments where the ambient temperature ranges from 0 to 55°C, ensuring stable performance.

Technical specifications for A06B-6127-H106

Manufacturer FANUC

Product Line A06B

Part Number A06B-6127-H106

Weight 18.00 lbs (8.16 kg)

Name Servo Amplifier Module

Ambient Storage Temperature -20 to 60°C

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 the 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, ± 1 Hz

Number of Axis Amplifier 1

Rated Output Current 58 A (rms)

Nominal Current Limit 180 A (peak)

Ambient Operational Temperature 0 to 55°C

Description

The FANUC A06B-6127-H106 functions as a servo amplifier module crucial for optimal performance in automated systems. Designed to operate within a robust voltage class of 400V, this module features a main power supply range of 400 VAC to 480 VAC in a three-phase configuration, along with a control voltage capacity of 200 VAC to 240 VAC in single-phase. The allowable voltage deviation ranges from -15% to +10%, accounting for variations induced by load changes.

The rated output current is capped at 58 amperes (rms), while the peak nominal current limit can reach up to 180 amperes. This wide range supports diverse operational requirements, particularly in demanding applications. To maintain stability, the amplifier can operate effectively in ambient conditions with temperatures from 0°C to 55°C and can be stored in temperatures from -20°C to 60°C.

Its weight is recorded at 10.7 kilograms, which adds to its manageable design for installation. With capabilities to endure operational vibrations below 0.5G and humidity levels typically at 90% RH or lower without condensation, the A06B-6127-H106 is suitable for use in various environments. Additionally, it offers an instantaneous power failure guarantee time of only three milliseconds, ensuring the integrity of performance during power interruptions. The power frequency specification operates effectively at 50 or 60 Hz, with a permissible variation of ± 1 Hz.

Technical Specifications

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

Instantaneous Power Failure Guarantee Time 3 ms

Power Frequency 50/60 Hz, ± 1 Hz

Number of Axis Amplifier 1

Rated Output Current 58 A (rms)

Nominal Current Limit 180 A (peak)

Ambient Operational Temperature 0 to 55°C

Description

The FANUC A06B-6127-H106 functions as a servo amplifier module crucial for optimal performance in automated systems. Designed to operate within a robust voltage class of 400V, this module features a main power supply range of 400 VAC to 480 VAC in a three-phase configuration, along with a contro