FANUC FANUC □□□ Series Service Manual

A02B-0166-B501

1. Description

The A02B-0166-B501 from FANUC is a servo drive controller designed primarily for CNC applications. Featuring a weight of 1.59 kg (3.5 lbs.), this unit is rated for a current capacity of 5A and offers high accuracy across two control channels.

2. Specifications

Specification	Value
Manufacturer	**FANUC**
Product	**Line A02B**
Part	**Number A02B-0166-B501**
Weight	**3.50 lbs (1.59 kg)**
Product	**Description Servo Drive Controller**
Purpose	**CNC**
Current	**Rating 5A**
Accuracy	**High**
Number	**of Control Channels 2**
Environment	**No corrosive gases**
Relative	**Humidity 95% or less (non-condensing)**
Minimum	**Ambient Operating Temperature 0°C**
Maximum	**Ambient Operating Temperature 55°C**
Minimum	**Ambient Storage Temperature -20°C**
Maximum	**Ambient Storage Temperature 60°C**

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Technical specifications for A02B-0166-B501

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Maximum Ambient Storage Temperature 60°C

Description

The FANUC A02B-0166-B501 is a reliable servo drive controller specifically designed for CNC machinery. This product emphasizes precision in control, characterized by a high accuracy rating while managing a current of 5 Amperes. The unit is designed for environments where no corrosive gases are present, ensuring safe operation in appropriate conditions. It weighs 1.59 kg, which equates to 3.5 lbs, making it manageable for integration into various systems.

With the capability to handle two control channels, the A02B-0166-B501 supports intricate CNC operations effectively. Its operating temperature range spans from a minimum of 0°C to a maximum of 55°C, allowing for versatile deployment in different settings. For storage purposes, it can tolerate temperatures from -20°C up to 60°C, providing flexibility for various storage conditions. Additionally, the device can function in relative humidity levels of 95% or less, provided that the environment does not condense water vapor.