

FANUC A02B-0118-B002 Manual

Brand	FANUC
Product Series	FANUC
Product Type	Basic control unit

Description

FANUC's A02B-0118-B002 serves as a basic control unit tailored for integration within FANUC CNC environments and various automation systems. This unit is capable of handling multiple I/O points and operates within a modest supply voltage range of 4.75 to 5.25 V.

Technical specifications for A02B-0118-B002

Manufacturer FANUC

Product Type Basic control unit

Product Line A02B

Part Number A02B-0118-B002

Weight 11.00 lbs (4.99 kg)

Humidity Up to 90% (non-condensing)

IP Rating IP20

Shock/Vibration Resistance During operation: 0.5G or less

I/O Capacity Multiple I/O points

Communication FANUC protocols

Cooling Passive/active cooling

Compatibility FANUC CNC systems/automation setups

Connectors Standard industrial types

Certifications CE, UL

Supply Voltage 4.75 to 5.25 V (at reception terminal)

Power Dissipation 0.9 W

Ambient Temperature Operating: 0 to 45°C, Storage & Transportation: -20 to 60°C

Required Current 180 mA (maximum)

Description

The A02B-0118-B002 control unit, produced by FANUC, operates effectively as a fundamental component in CNC and automation systems. Supporting a maximum supply voltage of 5.25 V and minimum of 4.75 V at the reception terminal, this device uses a standard current consumption up to 180 mA. With its passive/active cooling system, it helps maintain operational efficiency in various environments.

This unit is rated for operation in ambient conditions from 0 to 45°C and can be stored or transported where temperatures range between -20°C and 60°C. The A02B-0118-B002 control unit accommodates up to 90% humidity without condensing, enhancing its reliability across different settings. It boasts an IP20 rating, indicating limited protection against solid objects but ensuring effective operation in non-hazardous climates.

The device showcases robustness in its capability to resist minor shocks and vibrations, staying functional under operational conditions of 0.5G or less. Communication is facilitated via FANUC's protocol and is compliant with standard industrial connector types. It contains multiple I/O points to simplify integration into existing systems. Certified by CE and UL, the unit reflects a commitment to quality and safety in industrial applications, making it a reliable choice for manufacturers and users alike.

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