

Fanuc PC1-20A

Fanuc PC1-20A A60L00010036 Fuse User Manual

Model: PC1-20A, A60L00010036

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Fanuc PC1-20A A60L00010036 Fuse. Please read this manual thoroughly before installation or operation and retain it for future reference. This fuse is designed to protect electrical circuits from overcurrent conditions.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to equipment:

- **Disconnect Power:** Always ensure that the power supply to the circuit is completely disconnected before installing, inspecting, or replacing fuses.
- **Correct Rating:** Only replace a blown fuse with a fuse of the exact same type, voltage, and ampere rating as specified by the equipment manufacturer. Using an incorrect fuse can lead to fire, equipment damage, or personal injury.
- **Professional Installation:** Installation and replacement of electrical components should ideally be performed by qualified personnel.
- **Avoid Contact:** Do not touch live electrical parts.
- **Inspect for Damage:** Before installation, visually inspect the fuse for any signs of physical damage. Do not use damaged fuses.

3. PRODUCT DESCRIPTION

The Fanuc PC1-20A A60L00010036 is a cylindrical, through-hole mount fuse designed for industrial applications. It provides overcurrent protection for sensitive electronic equipment, preventing damage from excessive current flow. This fuse is rated for 20 Amperes and is constructed with copper material for reliable performance.



Figure 1: Front view of the Fanuc PC1-20A A60L00010036 20 Ampere fuse. The fuse is cylindrical with metallic end caps and a central ceramic body displaying "20A", "Cello-Lite", "32-941", "250V", "500V", and "UNOMIYA ELECTRIC" markings.

4. SPECIFICATIONS

Attribute	Value
Brand	Fanuc
Model Number	PC1-20A, A60L00010036
Current Rating	20 Amps
Material	Copper
Mounting Type	Through-Hole Mount

5. INSTALLATION

Follow these general steps for installing the fuse. Always refer to your equipment's specific service manual for detailed instructions.

1. **Power Disconnection:** Ensure all power to the equipment or circuit where the fuse will be installed is completely turned off and locked out. Verify with a voltage tester.
2. **Locate Fuse Holder:** Identify the fuse holder or designated slot for the PC1-20A fuse within your equipment.
3. **Insert Fuse:** Carefully insert the Fanuc PC1-20A fuse into the fuse holder. For through-hole mount applications, ensure the leads are correctly aligned and securely seated.
4. **Secure Connection:** Confirm that the fuse is firmly in place and makes proper electrical contact.
5. **Restore Power:** Once the fuse is securely installed and all covers are replaced, restore power to the equipment.

Note: *Incorrect installation can lead to circuit malfunction or damage. If unsure, consult a qualified electrician or technician.*

6. OPERATION

The Fanuc PC1-20A fuse operates passively as a safety device. Its primary function is to protect electrical circuits and components from damage caused by overcurrent conditions, such as short circuits or sustained overloads. When the current flowing through the fuse exceeds its 20 Ampere rating for a specified duration, the internal element melts, opening the circuit and interrupting the current flow. This prevents further damage to the protected equipment.

- The fuse does not require any user interaction during normal operation.
- A properly functioning fuse will remain intact until an overcurrent event occurs.

7. MAINTENANCE

Fuses are generally maintenance-free components. Regular maintenance primarily involves inspection and replacement if a fault occurs.

- **Periodic Inspection:** Periodically inspect the fuse and its holder for signs of corrosion, overheating, or loose connections. Ensure power is disconnected before inspection.
- **Replacement:** If the fuse blows (indicating an overcurrent event), it must be replaced. Always replace it with a new fuse of the identical type and rating (Fanuc PC1-20A A60L00010036, 20 Amps).
- **Cleaning:** Keep the fuse and its surrounding area clean and free from dust or debris.

8. TROUBLESHOOTING

If a circuit protected by the Fanuc PC1-20A fuse stops functioning, the fuse may have blown. Follow these steps:

1. **Disconnect Power:** Turn off and disconnect all power to the affected circuit or equipment.
2. **Locate Fuse:** Identify and carefully remove the fuse from its holder.
3. **Inspect Fuse:** Visually inspect the fuse. A blown fuse typically shows a broken internal wire or a darkened/discolored glass body (if applicable). For opaque fuses, a multimeter can be used to check for continuity.
4. **Identify Cause:** Before replacing the fuse, attempt to identify the cause of the overcurrent. Common causes include short circuits, overloaded circuits, or faulty components. Replacing a fuse without addressing the underlying issue will likely result in the new fuse blowing as well.
5. **Replace Fuse:** If the fuse is confirmed blown and the cause has been addressed, replace it with a new Fanuc PC1-20A A60L00010036 fuse of the correct 20 Ampere rating.

6. **Restore Power:** Restore power and test the circuit. If the new fuse blows immediately, there is still an unresolved issue in the circuit that requires professional attention.

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Fanuc PC1-20A A60L00010036 fuse, please refer to the documentation provided at the time of purchase or contact your supplier. Fuses are consumable components designed to fail under fault conditions, and their warranty typically covers manufacturing defects rather than failure due to overcurrent events. For technical support or inquiries, please contact Fanuc customer service or your authorized Fanuc distributor. Ensure you have your product model number (PC1-20A, A60L00010036) and purchase details available when seeking support.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question