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Bussmann NON-25

Bussmann NON-25 Low-Voltage Cartridge Fuse Instruction Manual

Brand: Bussmann

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Bussmann NON-25 Low-Voltage Cartridge Fuse. Please read these instructions carefully before installation or operation to ensure proper function and safety.

2. PRODUCT OVERVIEW

The Bussmann NON-25 is a 25 Amp, 250V general-purpose, one-time cartridge fuse. It is designed for use in various electrical applications where non-current limiting protection is required. This fuse is suitable for protecting circuits against overloads and short circuits.

Key features include:

- Durable construction for reliable performance.
- Suitable for general purpose applications.
- Manufactured to industry standards for safety and quality.



Image of the Bussmann NON-25 cartridge fuse, showing its cylindrical shape, metallic end caps, and label with 'BUSS ONE-TIME FUSE NON-25 amp'.

3. SAFETY INFORMATION

WARNING: Electrical shock hazard. Always disconnect power to the circuit before installing, removing, or inspecting fuses. Failure to do so can result in serious injury or death.

- Only qualified personnel should perform electrical work.
- Ensure the replacement fuse matches the voltage and amperage ratings of the original fuse (250V, 25 Amp). Using an incorrect fuse can lead to fire or equipment damage.
- Do not bypass or tamper with fuses.

4. INSTALLATION / SETUP

The Bussmann NON-25 fuse is a cartridge-type fuse designed for insertion into compatible fuse holders. It is commonly used in lighting circuits, main panel protection, and other circuits that do not contain large electric motors or inductive loads.

Steps for Installation:

1. **Disconnect Power:** Before beginning, ensure all power to the circuit where the fuse will be installed is completely disconnected at the main breaker or switch. Verify with a voltage tester.
2. **Locate Fuse Holder:** Identify the fuse holder in your electrical panel or equipment. For existing installations, carefully remove the old fuse, if present.
3. **Insert New Fuse:** Insert the new Bussmann NON-25 fuse into the fuse holder. Ensure it is seated correctly and makes firm contact with the terminals.
4. **Restore Power:** Once the fuse is securely in place, restore power to the circuit.

5. OPERATION

The Bussmann NON-25 is a 'one-time' fuse, meaning it is designed to open the circuit once when an overcurrent condition occurs. It functions as a non-current limiting fuse, providing essential protection against both overloads and short circuits within its specified ratings.

When an electrical fault causes the current to exceed the fuse's 25 Amp rating, the internal element of the fuse melts, creating an open circuit. This action immediately stops the flow of electricity, preventing potential damage to electrical components, wiring, and reducing the risk of fire.

6. MAINTENANCE

Fuses are generally maintenance-free devices. However, periodic inspection of fuse holders and connections is recommended to ensure good electrical contact and prevent potential overheating due to loose connections.

If a fuse blows, it must be replaced with a fuse of the identical type, voltage, and amperage rating. Always use a Bussmann NON-25 (25 Amp, 250V) fuse for replacement to maintain the intended circuit protection.

7. TROUBLESHOOTING

Symptom: Loss of power to a circuit.

Possible Cause: A blown fuse.

Action:

1. **Disconnect Power:** Immediately disconnect all power to the affected circuit at the main breaker or switch.
2. **Inspect Fuse:** Carefully inspect the fuse. A blown fuse may show a visible break in the internal element, discoloration, or a darkened glass body (if applicable).
3. **Replace Fuse:** If the fuse is confirmed to be blown, replace it with a new Bussmann NON-25 fuse (25 Amp, 250V).
4. **Identify Underlying Issue:** If the new fuse blows immediately upon restoring power, there is likely a persistent short circuit or an overload condition in the circuit. In this situation, do not replace the fuse again without identifying and resolving the underlying electrical issue. Consult a qualified electrician to diagnose and repair the problem.

8. SPECIFICATIONS

Specification	Detail
Model Number	NON-25
Amperage Rating	25 Amps
Voltage Rating	250 Volts
Product Dimensions (L x W x H)	0.5 x 0.5 x 2 inches
Material	Plastic (housing/insulation)
Manufacturer	Bussmann
Fuse Type	General Purpose, One-Time Cartridge Fuse

9. WHAT'S IN THE BOX

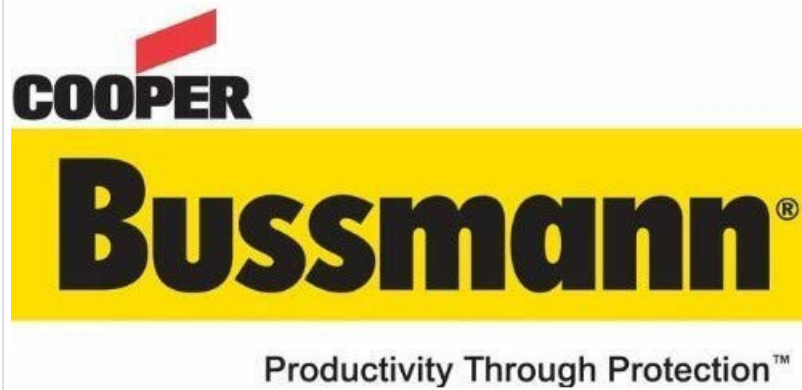
Each package contains one Bussmann NON-25 cartridge fuse.

10. WARRANTY INFORMATION

Warranty information for Bussmann products is typically provided by the manufacturer or retailer at the time of purchase. Please refer to your purchase documentation or the official Bussmann website for specific warranty details and terms and conditions.

11. SUPPORT

For technical assistance, product inquiries, or further information regarding Bussmann products, please visit the official Bussmann website or contact their customer support services directly.



Bussmann company logo, featuring 'COOPER Bussmann' text with the tagline 'Productivity Through Protection'.