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› Bussmann BS1362 Ceramic Fuse User Manual

## Bussmann BS1362 Ceramic Fuse

# Bussmann BS1362 Ceramic Fuse User Manual

Model: BS1362 Ceramic Fuse

## 1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of Bussmann BS1362 Ceramic Fuses. These fuses are designed to provide overcurrent protection for electrical circuits, safeguarding appliances and wiring from damage due to excessive current or short circuits.

Each fuse is rated at 250 Volts and 13 Amperes, conforming to the British Standard BS1362, and is constructed from ceramic material for enhanced performance and safety. The product includes 100 individual fuses, ensuring a sufficient supply for various applications.



Image: Multiple Bussmann BS1362 13A ceramic fuses. These fuses are cylindrical with metal end caps and a ceramic body, marked with "Bussmann", "13A", and "BS 1362".

# X 100



Image: A single Bussmann BS1362 13A ceramic fuse, accompanied by the text "X 100", signifying that the product contains 100 pieces of this fuse type.

## 2. SETUP AND INSTALLATION

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Fuses are critical safety components and must be installed correctly. Always prioritize safety when working with electrical components.

### Safety Precautions:

- **ALWAYS** disconnect power to the appliance or circuit before attempting to replace a fuse.
- Ensure your hands are dry and you are not standing in water.
- If unsure, consult a qualified electrician.

### Installation Steps:

1. **Identify the Blown Fuse:** A blown fuse typically has a visible break in the internal wire or a darkened ceramic body.
2. **Determine Correct Rating:** Always replace a fuse with one of the identical current rating (Amperes) and voltage rating (Volts). Using a fuse with a higher rating can lead to dangerous overloads and fire hazards. This product provides 13A, 250V fuses.
3. **Remove Old Fuse:** Carefully remove the blown fuse from its holder (e.g., within a 3-pin plug, appliance fuse holder).
4. **Insert New Fuse:** Insert the new Bussmann 13A BS1362 ceramic fuse firmly into the fuse holder.
5. **Restore Power:** Once the new fuse is securely in place, restore power to the appliance or circuit.

These fuses are commonly used in UK-style 3-pin plugs and various electrical appliances requiring BS1362 compliant protection.

## 3. OPERATING PRINCIPLES

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A fuse is a sacrificial device designed to protect an electrical circuit from overcurrent. Its core principle relies on a metal wire or filament that melts and breaks the circuit when the current flowing through it exceeds a safe level for a certain duration.

- **Overcurrent Protection:** When an electrical fault occurs (e.g., a short circuit or an overloaded appliance), the current in the circuit can rapidly increase to dangerous levels.
- **Circuit Interruption:** The fuse's internal element, specifically designed to melt at a precise current threshold, heats up and breaks, thereby interrupting the flow of electricity and preventing damage to the appliance, wiring, or potential fire hazards.
- **Single-Use Device:** Once a fuse blows, it must be replaced. It cannot be reset or reused.

The ceramic body of these fuses provides excellent thermal and electrical insulation, enhancing safety and reliability, especially under fault conditions.

## 4. MAINTENANCE

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Fuses generally require minimal maintenance, but periodic checks and proper handling are important for continued safety and performance.

### Inspection:

- Visually inspect fuses for any signs of damage, such as cracks in the ceramic body or discoloration, especially if an appliance has stopped working.
- A blown fuse may have a blackened interior or a visibly broken filament.

### Replacement:

- Always replace a blown fuse with a new one of the exact same type and rating (e.g., 13A, 250V, BS1362 ceramic).
- Never attempt to repair a blown fuse or use a fuse with an incorrect rating.

### Storage:

- Store spare fuses in a dry, cool place, away from direct sunlight and extreme temperatures, to preserve their integrity.
- Keep them in their original packaging or a suitable container to prevent damage.

## 5. TROUBLESHOOTING

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If an appliance or circuit stops working, a blown fuse is a common cause. Follow these steps to troubleshoot:

1. **Appliance Not Working:** If an appliance connected to a wall socket or extension lead suddenly stops functioning, the first step is to check its fuse.
2. **Locate the Fuse:** For most appliances, the fuse is located within the 3-pin plug. For others, it might be in a dedicated fuse holder on the appliance itself.
3. **Inspect the Fuse:** Disconnect power and carefully remove the fuse. Look for a broken filament or any signs of burning or discoloration within the ceramic body.
4. **Replace if Blown:** If the fuse is blown, replace it with a new Bussmann 13A BS1362 ceramic fuse. Ensure the new fuse has the correct rating for the appliance.
5. **Repeated Blowing:** If the new fuse blows immediately or shortly after replacement, this indicates a more serious underlying electrical fault within the appliance or circuit. In such cases, discontinue use of the appliance and consult a qualified electrician for diagnosis and repair. *Do not repeatedly replace fuses without addressing the root cause.*

## 6. SPECIFICATIONS

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| Attribute | Value |
|-----------|-------|
|-----------|-------|

| Attribute            | Value                                            |
|----------------------|--------------------------------------------------|
| Brand                | Bussmann                                         |
| Voltage Rating       | 250 Volts                                        |
| Current Rating       | 13 Amps                                          |
| Fuse Type            | Ceramic Cartridge Fuse                           |
| Standard Met         | BS1362                                           |
| Material             | Ceramic                                          |
| Compliance           | RoHS Compliant                                   |
| Dimensions (Approx.) | 6mm diameter x 25mm length (standard for BS1362) |

## 7. SAFETY INFORMATION

Adhering to safety guidelines is paramount when handling electrical components.

- **Electrical Hazard:** Always assume electrical circuits are live until verified otherwise.
- **Disconnect Power:** Before any inspection, installation, or replacement, ensure the power supply to the circuit or appliance is completely disconnected.
- **Correct Rating:** Never use a fuse with a higher current rating than specified for the circuit or appliance. This can lead to overheating, fire, and severe damage.
- **Do Not Bypass:** Never bypass a fuse or use conductive materials (e.g., foil, wire) in place of a fuse. This eliminates critical safety protection.
- **Professional Help:** If you are unsure about any electrical work, or if fuses repeatedly blow, consult a qualified electrician.
- **Keep Out of Reach:** Store fuses and all electrical components out of reach of children.

## 8. WARRANTY AND SUPPORT

For information regarding warranty, returns, or technical support for Bussmann products, please refer to the official Bussmann website or contact the seller from whom the product was purchased. Keep your purchase receipt as proof of purchase.

Bussmann is a reputable manufacturer of circuit protection products, and their official resources will provide the most accurate and up-to-date support information.

For general inquiries or to learn more about Bussmann products, you may visit their official website:[Eaton Bussmann Fuses](#) (Note: Eaton acquired Bussmann).

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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**