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› Bussmann BP/AGC-30 30 Amp Fast Acting Glass Tube Fuse Instruction Manual

## Bussmann BP/AGC-30

# Bussmann BP/AGC-30 30 Amp Fast Acting Glass Tube Fuse Instruction Manual

Brand: Bussmann | Model: BP/AGC-30

## 1. INTRODUCTION

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This manual provides essential information for the proper use, installation, and maintenance of your Bussmann BP/AGC-30 30 Amp Fast Acting Glass Tube Fuse. This fuse is designed primarily for automotive accessory applications, offering reliable circuit protection. It features a 1/4 inch x 1-1/4 inch (6.3mm x 32mm) form factor, nickel-plated brass end cap construction, and is rated for 250 volts AC.

## 2. PRODUCT FEATURES

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- Fast acting glass tube design for rapid circuit protection.
- Standard dimensions: 1/4 inches x 1-1/4 inches (6.3mm x 32mm).
- Durable nickel-plated brass end cap construction.
- Rated for 250 volts AC.
- UL listed and meets standard 248-20 for safety and performance.

## 3. PRODUCT OVERVIEW

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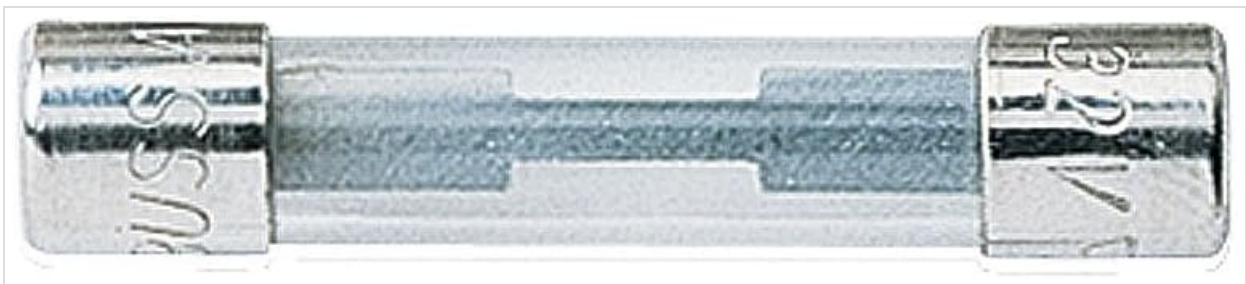


Image: A single Bussmann BP/AGC-30 30 Amp Fast Acting Glass Tube Fuse, showing its clear glass body and metallic end caps.

## 4. SETUP AND INSTALLATION

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Before installing or replacing a fuse, always ensure the power source to the circuit is disconnected to prevent electrical shock or damage to the system.

1. **Identify the Fuse Location:** Locate the fuse box or fuse holder in your automotive accessory system. Refer to your vehicle's service manual for specific locations.
2. **Determine Correct Amperage:** Verify that the replacement fuse matches the original fuse's amperage rating (30 Amps for this model). Using a fuse with an incorrect amperage can lead to circuit damage or fire.
3. **Remove Old Fuse (if applicable):** Carefully extract the old fuse from its holder. Fuse pullers are recommended for safe removal.
4. **Insert New Fuse:** Gently push the new Bussmann BP/AGC-30 fuse into the fuse holder until it is securely seated. Do not force the fuse.
5. **Restore Power:** Once the fuse is securely installed, restore power to the circuit and test the functionality of the accessory.

## 5. OPERATION

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The Bussmann BP/AGC-30 fuse is a safety device designed to protect electrical circuits from overcurrent. When the electrical current flowing through the circuit exceeds the fuse's rated amperage (30 Amps), the metallic element inside the glass tube melts, breaking the circuit and preventing damage to components or wiring. This is known as a 'blown' fuse. As a fast-acting fuse, it responds quickly to overcurrent conditions.

## 6. MAINTENANCE

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Fuses are generally maintenance-free components. The primary maintenance involves replacing a blown fuse. Regular inspection of fuses is not typically required unless there are recurring electrical issues.

1. **Identify a Blown Fuse:** A blown glass tube fuse will typically show a visible break in the metallic filament inside the glass tube, or the glass may appear discolored or blackened.
2. **Fuse Replacement:** Follow the installation steps outlined in Section 4 to safely replace a blown fuse. Always replace a blown fuse with a new fuse of the exact same type and amperage rating.

## 7. TROUBLESHOOTING

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If an electrical accessory or component stops working, the first step in troubleshooting is often to check the associated fuse.

- **Accessory Not Working:** If an automotive accessory fails to operate, inspect the fuse protecting that circuit. If the fuse is blown, replace it with a new Bussmann BP/AGC-30 fuse.
- **Repeated Fuse Blowing:** If a new fuse blows immediately or shortly after replacement, this indicates an underlying electrical problem in the circuit, such as a short circuit or an overload. In such cases, consult a qualified automotive technician to diagnose and repair the fault before installing another fuse. Do not repeatedly replace fuses without addressing the root cause, as this can lead to more severe damage or fire.

## 8. SPECIFICATIONS

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Specification	Value
Brand	Bussmann
Model Number	BP/AGC-30
Amperage	30 Amps
Voltage Rating	250 Volts AC
Fuse Type	Fast Acting Glass Tube
Dimensions (L x W x H)	4.7 x 3.4 x 2.2 inches (packaging)
Material	Glass
Compliance	UL Listed, meets standard 248-20
Mounting Type	Surface Mount
Item Weight	0.8 ounces
UPC	051712178402, 051712121125

## 9. SAFETY INFORMATION

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- Always disconnect power before working with electrical circuits or replacing fuses.
- Never use a fuse with a higher amperage rating than specified for the circuit. This can lead to overheating, wiring damage, and fire.
- Never bypass a fuse with wire or foil. Fuses are critical safety devices.
- If you are unsure about fuse replacement or electrical troubleshooting, consult a qualified professional.
- Keep fuses out of reach of children.

## 10. WHAT'S IN THE BOX

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- Bussmann Division BP/AGC-30-RP Agc-30 Auto Fuse (Quantity as purchased)

## 11. WARRANTY AND SUPPORT

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For warranty information or technical support regarding your Bussmann BP/AGC-30 fuse, please refer to the official Bussmann website or contact their customer service department. Keep your purchase receipt as proof of purchase.