

Manuals.plus /

› Bussmann /

› Bussmann BK/HTB-26I-R HTB Series Fuse Holder Instruction Manual

## Bussmann BK/HTB-26I-R

# Bussmann BK/HTB-26I-R HTB Series Fuse Holder Instruction Manual

Model: BK/HTB-26I-R | Brand: Bussmann

## PRODUCT OVERVIEW

The Bussmann HTB Series In-Line Fuse Holder, model BK/HTB-26I-R, is designed for reliable circuit protection in various applications. Constructed from high temperature and flame retardant thermoplastic, this fuse holder offers enhanced durability and safety. It is engineered for panel mounting and features 1/4-inch quick connect terminals for straightforward installation.

This fuse holder is rated for 250 VAC at 20 Amps (UL) or 16 Amps (CSA) and is specifically designed to accommodate 1/4 inch x 1-1/4 inch fuses. Its robust design allows for operation in a wide temperature range from -55°C to 85°C. The product is UL listed, CSA certified, CE certified, and RoHS compliant, ensuring adherence to international safety and environmental standards.



Image: Bussmann BK/HTB-26I-R HTB Series Fuse Holder. This image shows the compact, black thermoplastic body of the fuse holder with its threaded panel mount section and the fuse cap clearly labeled "FUSE". The quick connect terminals are visible at the rear.

## SPECIFICATIONS

Attribute	Value
Brand	Bussmann
Model Number	BK/HTB-26I-R
Voltage Rating	250 Volts AC
Current Rating	20 Amps (UL), 16 Amps (CSA)
Material	High Temperature/Flame Retardant Thermoplastic
Mounting Type	Panel Mount
Terminal Type	1/4-Inch Quick Connect
Compatible Fuse Size	1/4 Inch x 1-1/4 Inch
Operating Temperature	-55°C to 85°C
Certifications	UL Listed, CSA Certified, CE Certified, RoHS Compliant
Item Weight	0.16 ounces
Package Dimensions	4 x 2 x 0.25 inches
UPC	051712658447

## INSTALLATION AND SETUP

Before beginning installation, ensure that all power to the circuit is disconnected to prevent electrical shock. This fuse holder is designed for panel mounting.

- Panel Preparation:** Drill an appropriately sized hole in the panel for the fuse holder's threaded body. Refer to the product's technical drawing for exact dimensions if available, or measure the threaded section of the fuse holder.
- Mounting:** Insert the threaded body of the fuse holder through the prepared hole from the front of the panel. Secure it in place using the provided mounting nut on the rear of the panel. Tighten the nut firmly but do not overtighten.
- Electrical Connections:** Connect the circuit wires to the 1/4-inch quick connect terminals at the rear of the fuse holder. Ensure connections are secure and properly insulated. Observe correct polarity if applicable to your circuit design.
- Fuse Insertion:** Unscrew the fuse cap from the front of the holder. Insert a compatible 1/4 inch x 1-1/4 inch fuse into the holder. Ensure the fuse is seated correctly.
- Secure Fuse Cap:** Screw the fuse cap back onto the holder until it is finger-tight. Do not overtighten.

**Warning: All electrical work should be performed by qualified personnel and in accordance with local electrical codes and regulations.**

## OPERATION

The Bussmann HTB Series Fuse Holder functions as a protective device for electrical circuits. When a current overload or short circuit occurs, the fuse inside the holder will melt, breaking the circuit and preventing damage to connected components.

### Fuse Replacement:

1. **Disconnect Power:** Always disconnect all power to the circuit before attempting to replace a fuse.
2. **Unscrew Cap:** Gently unscrew the fuse cap from the front of the fuse holder by turning it counter-clockwise.
3. **Remove Old Fuse:** Carefully remove the blown fuse from the holder.
4. **Insert New Fuse:** Insert a new fuse of the *correct type and rating* (1/4 inch x 1-1/4 inch, 20A/16A 250V) into the holder. Using a fuse with an incorrect rating can lead to circuit damage or fire hazards.
5. **Secure Cap:** Screw the fuse cap back onto the holder by turning it clockwise until it is finger-tight.
6. **Restore Power:** Once the fuse is replaced and the cap is secure, power can be restored to the circuit.

## MAINTENANCE

The Bussmann HTB Series Fuse Holder requires minimal maintenance. Regular inspection is recommended to ensure optimal performance and safety.

- **Visual Inspection:** Periodically inspect the fuse holder for any signs of physical damage, such as cracks, discoloration, or loose connections.
- **Cleanliness:** Keep the fuse holder and surrounding area clean and free from dust, dirt, and moisture. Use a dry, lint-free cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Connection Check:** Ensure that the quick connect terminals remain securely attached to the circuit wires. Loose connections can lead to overheating or intermittent operation.
- **Fuse Cap Integrity:** Verify that the fuse cap screws on smoothly and securely, providing a tight seal.

## TROUBLESHOOTING

If you experience issues with your Bussmann HTB Series Fuse Holder, consider the following common troubleshooting steps:

- **No Power to Circuit:**
  - Check if the fuse is blown. A blown fuse will typically have a broken filament or a discolored glass body. Replace with a new fuse of the correct rating.
  - Ensure the fuse is properly seated within the holder and the fuse cap is securely tightened.
  - Verify that the quick connect terminals have solid contact with the circuit wires.
  - Check the power source to the circuit.
- **Fuse Blows Immediately After Replacement:**

- This indicates an underlying issue in the circuit, such as a short circuit or an overload. Do not continue to replace fuses without identifying and resolving the root cause, as this can be a fire hazard.
- Consult a qualified electrician to diagnose and repair the circuit problem.
- **Fuse Not Fitting Correctly:**
  - Ensure you are using the correct fuse size: 1/4 inch x 1-1/4 inch. Other fuse sizes will not fit properly.
  - Inspect the fuse holder for any debris or damage that might obstruct fuse insertion.

## SAFETY INFORMATION

### Important Safety Warnings:

- Always disconnect power to the circuit before installing, servicing, or replacing fuses in the holder.
- Use only fuses of the specified type and rating (1/4 inch x 1-1/4 inch, 20A/16A 250V). Using incorrect fuses can lead to circuit damage, fire, or personal injury.
- Do not bypass or modify the fuse holder or fuses.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning). Handle with care and wash hands after handling.
- Ensure proper ventilation around the fuse holder during operation.
- If the fuse holder shows signs of damage, replace it immediately.

## WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service for your Bussmann BK/HTB-26I-R HTB Series Fuse Holder, please refer to the documentation provided with your purchase or visit the official Bussmann website. Specific warranty terms and support contacts may vary by region and distributor.



Image: Bussmann brand logo. This logo features the word "COOPER" above a red triangular shape, and "Bussmann" in large black letters on a yellow background, with the tagline "Productivity Through Protection™" below.

