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MODEL: RS20HFTG, RS20H, 402159

1. Introduction

This manual provides essential instructions for the safe installation, operation, and maintenance of the Bussmann RS20HFTG Fuse Holder. Please read this manual thoroughly before proceeding with any installation or operation to ensure proper function and safety.

2. Safety Information

WARNING: Electrical shock hazard. Installation and servicing should only be performed by qualified personnel. Always disconnect power before working with electrical components.

- Ensure all local and national electrical codes are followed.
- Verify that the power supply is completely disconnected and locked out before installation or maintenance.
- Use appropriate personal protective equipment (PPE).
- Do not exceed the specified current and voltage ratings of the fuse holder or the fuse.

3. Product Overview

The Bussmann RS20HFTG is a front-connected fuse holder designed for industrial and commercial applications. It is rated for 20 Amps and 690 Volts. The "RED SPOT" feature provides a visual indication of a blown fuse, enhancing safety and simplifying troubleshooting.



Image showing the Bussmann RS20HFTG fuse holder, a black rectangular unit with two red circular indicators on the front, designed for front-connected fuse applications.

4. Specifications

Feature	Detail
Brand	Bussmann
Model Numbers	RS20HFTG, RS20H, 402159
Current Rating	20 Amps
Voltage Rating	690 Volts
Connector Type	Screw
Material	Copper
Dimensions (L x W x H)	3.11 x 2.17 x 1.06 inches
Manufacturer	Bussmann

5. Setup and Installation

Follow these steps for proper installation:

1. **Power Disconnection:** Ensure all power to the circuit is disconnected and verified using appropriate testing equipment.
2. **Mounting:** Securely mount the fuse holder in the desired location using appropriate fasteners. Ensure adequate ventilation and clearance for wiring and fuse replacement.
3. **Wiring:** Connect the circuit wires to the screw terminals of the fuse holder. Ensure connections are tight and secure to prevent arcing or overheating. Refer to local electrical codes for wire gauge requirements.
4. **Fuse Insertion:** Carefully insert the correct type and rating of fuse (e.g., 20A, 690V) into the fuse holder. Ensure it is fully seated.
5. **Verification:** Double-check all connections and ensure no loose wires or debris are present.
6. **Power Restoration:** Once installation is complete and verified, restore power to the circuit.

6. Operating Instructions

The Bussmann RS20HFTG fuse holder operates passively, protecting the circuit by housing a fuse. Its primary operational aspect involves fuse replacement and monitoring.

- **Normal Operation:** When the circuit is functioning correctly, the fuse holder simply conducts current through the installed fuse.
- **Blown Fuse Indication:** If the fuse blows due to an overcurrent condition, the "RED SPOT" indicator on the front of the holder will become visible, signaling that the fuse needs replacement.
- **Fuse Replacement:**
 - a. **Disconnect Power:** Always disconnect and lock out power to the circuit before attempting to replace a fuse.
 - b. **Remove Blown Fuse:** Carefully extract the blown fuse from the holder.
 - c. **Insert New Fuse:** Insert a new fuse of the identical type and rating into the holder. Ensure it is securely seated.
 - d. **Restore Power:** Restore power to the circuit after verifying the new fuse is correctly installed.

7. Maintenance

Regular maintenance ensures the longevity and reliable operation of the fuse holder.

- **Periodic Inspection:** Periodically inspect the fuse holder for any signs of physical damage, discoloration, or loose connections.
- **Cleaning:** With power disconnected, gently clean the exterior of the fuse holder with a dry, lint-free cloth. Do not use liquid cleaners.
- **Connection Check:** Ensure all screw connections remain tight. Loose connections can lead to overheating and potential failure.
- **Fuse Compatibility:** Always replace fuses with those of the exact specified type and rating. Using incorrect fuses can compromise circuit protection and safety.

8. Troubleshooting

If you encounter issues with your fuse holder, consider the following:

- **No Power to Circuit:**

- Check the "RED SPOT" indicator. If visible, the fuse is blown and needs replacement.
- Verify power supply to the fuse holder.
- Ensure all connections are secure.

- **Frequent Fuse Blowing:**

- This indicates an underlying issue in the circuit, such as an overload, short circuit, or faulty component.
- Do not repeatedly replace fuses without addressing the root cause, as this can lead to damage or fire.
- Consult a qualified electrician to diagnose and repair the circuit fault.

- **Overheating:**

- Disconnect power immediately.
- Check for loose connections or incorrect fuse rating.
- Ensure the fuse holder is not exposed to excessive ambient temperatures or poor ventilation.

9. Warranty Information

Specific warranty terms for the Bussmann RS20HFTG Fuse Holder are provided by the manufacturer, Bussmann, or the authorized seller at the time of purchase. Please refer to your purchase documentation or contact the seller directly for detailed warranty information and claims procedures.

10. Support

For technical assistance, product inquiries, or further support regarding the Bussmann RS20HFTG Fuse Holder, please contact Bussmann customer service or your authorized distributor. Contact information can typically be found on the manufacturer's official website or your purchase invoice.