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› Mersen R632 Fuse Reducer Instruction Manual

Mersen MERR632

Mersen R632 Fuse Reducer Instruction Manual

Model: MERR632

1. PRODUCT OVERVIEW

The Mersen R632 Fuse Reducer is designed to allow the use of smaller ampere rated fuses in fuse clips designed for larger ampere rated fuses. This particular model, MERR632, facilitates the reduction from 60 Ampere clips to accommodate 30 Ampere fuses, specifically Class R fuses. It is approved by UL and CSA, ensuring compliance with safety standards.

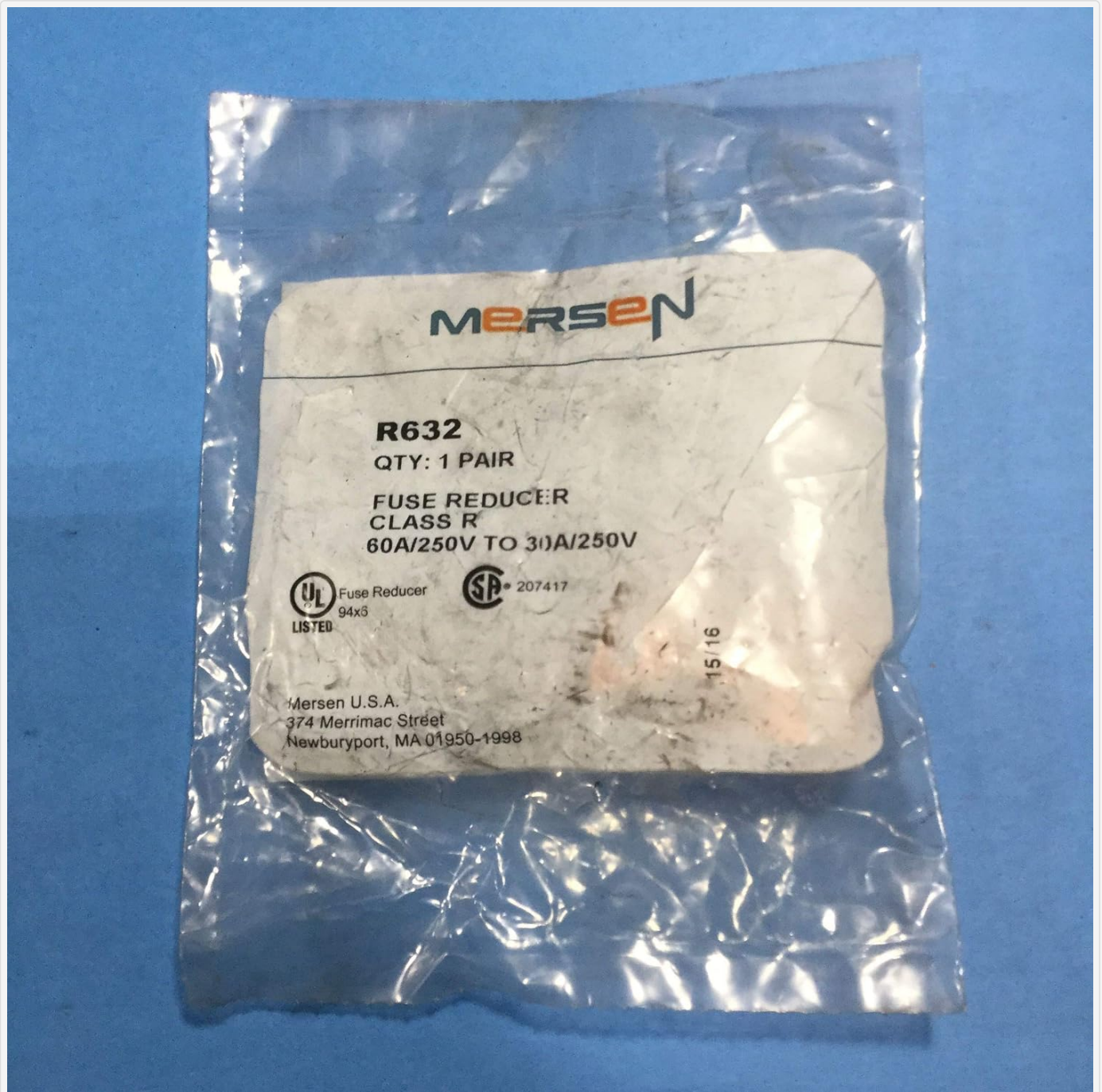


Figure 1: Mersen R632 Fuse Reducer in its original packaging.

2. SAFETY INFORMATION

Always prioritize safety when working with electrical components. Improper installation or handling can result in serious injury or damage to equipment. This product is intended for use by qualified personnel only.

- Disconnect all power to the circuit before installing or removing fuse reducers or fuses.
- Verify the voltage and current ratings of the fuse reducer, fuse, and circuit are compatible. This reducer is rated for 250 Volts.
- Ensure the fuse reducer is correctly seated in the fuse clips and the fuse is properly installed in the reducer.
- Do not modify the fuse reducer or use it for applications other than its intended purpose.
- Wear appropriate personal protective equipment (PPE), such as insulated gloves and safety glasses.

3. SETUP AND INSTALLATION

The Mersen R632 fuse reducer is designed for surface mount applications to adapt 60 Ampere fuse clips to accept 30 Ampere Class R fuses.

1. **Power Disconnection:** Before beginning installation, ensure that all power to the circuit where the fuse reducer will be installed is completely disconnected and locked out. Verify with a voltage tester.
2. **Identify Fuse Clips:** Locate the existing fuse clips designed for 60 Ampere fuses.
3. **Insert Reducer:** Carefully insert one Mersen R632 fuse reducer into each end of the 60 Ampere fuse clips. The reducer should fit snugly and securely.



Figure 2: Close-up view of the Mersen R632 fuse reducer components, showing the design for adapting fuse sizes.

4. **Install Fuse:** Once the reducers are in place, insert the appropriate 30 Ampere Class R fuse into the newly adapted clips. Ensure the fuse is fully seated and makes proper contact.
5. **Verify Connection:** Double-check that both the reducers and the fuse are securely installed and that there are no loose connections.
6. **Restore Power:** After confirming proper installation, power can be safely restored to the circuit.



Figure 3: Mersen R632 fuse reducer showing the product label with specifications like QTY: 1 PAIR, FUSE REDUCER, CLASS R, 60A/250V TO 30A/250V.

4. OPERATING INSTRUCTIONS

The Mersen R632 fuse reducer is a passive component designed to facilitate the correct fitment of a 30 Ampere Class R fuse into a 60 Ampere fuse clip. Once installed, its operation is integrated with the fuse and the circuit it protects. It does not require active operation.

Ensure that the fuse installed within the reducer is of the correct type (Class R) and rating (30 Ampere, 250V) for the circuit's protection requirements. The reducer itself is rated for 250 Volts and a 60 Ampere clip current rating, reducing to a 30 Ampere fuse current rating.

5. MAINTENANCE

Mersen R632 fuse reducers are designed for long-term, maintenance-free operation under normal conditions. However, periodic inspection is recommended as part of routine electrical system maintenance.

- **Visual Inspection:** Periodically inspect the fuse reducers for any signs of physical damage, discoloration, or corrosion.
- **Connection Integrity:** Ensure the reducers remain securely seated in the fuse clips and that the fuse is firmly held within the reducer. Loose connections can lead to overheating.
- **Cleaning:** If necessary, gently clean the exterior of the reducers with a dry, non-abrasive cloth. Ensure power is disconnected before cleaning.
- **Replacement:** If any damage or excessive wear is observed, replace the fuse reducer immediately.

6. TROUBLESHOOTING

Troubleshooting issues related to a fuse reducer typically involves verifying proper installation and compatibility.

Problem	Possible Cause	Solution
Fuse does not fit into reducer.	Incorrect fuse type or size.	Ensure you are using a 30 Ampere Class R fuse.
Reducer does not fit into fuse clip.	Incorrect fuse clip size.	Verify the fuse clip is designed for 60 Ampere fuses.
Overheating or discoloration of reducer/clips.	Loose connection or overloaded circuit.	Disconnect power, check for secure connections. Ensure circuit load does not exceed fuse rating. Consult a qualified electrician.
Fuse blows frequently.	Circuit overload or short circuit.	The reducer is not the cause. Investigate the circuit for faults or excessive load.

7. SPECIFICATIONS

Model Number	MERR632
Part Number	R632
Brand	Mersen
Voltage Rating	250 Volts
Fuse Current Rating (with reducer)	30 Ampere
Clip Current Rating (original)	60 Ampere
Fuse Class	Class R
Approvals	UL, CSA
Mounting Type	Surface Mount
Color	Black
Item Weight	1.6 ounces
Package Dimensions	5.2 x 1 x 0.5 inches

UPC

782001752361

8. WARRANTY AND SUPPORT

This Mersen R632 Fuse Reducer comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or further inquiries, please contact Mersen customer service or visit their official website. Keep your proof of purchase for warranty validation.

Manufacturer: Schaedler Yesco Distribution, Inc.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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