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Bussmann SA-30

Bussmann SA-30 Fustat Fuse Adaptor Instruction Manual

Model: SA-30

1. INTRODUCTION AND OVERVIEW

The Bussmann SA-30 Fustat Fuse Adaptor is an electrical component designed to convert standard Edison base fuse holders to accept Fustat (Type S and SL rejection plug) fuses. This adaptor ensures that only Fustat fuses of the correct amperage can be installed, preventing the use of oversized fuses and enhancing electrical safety in circuits. It is suitable for single motor circuits and general branch circuit protection.

2. PRODUCT FEATURES

- Converts Edison base fuse holders to accept Fustat fuses.
- Locks securely in place once installed, preventing easy removal and ensuring proper fuse type is maintained.
- Prevents the installation of oversized Fustat fuses, enhancing circuit protection.
- Designed for single motor circuits and branch circuit applications.
- Helps existing fuse panels comply with National Electrical Code (NEC) requirements regarding over-fusing.

3. SETUP AND INSTALLATION

The SA-30 Fustat Fuse Adaptor is intended for installation into an existing Edison base fuse socket. Proper installation is crucial for safety and functionality. Always ensure power is disconnected before beginning any electrical work.

Installation Steps:

1. **Disconnect Power:** Locate the main service panel for the circuit where the adaptor will be installed. Turn off the main breaker or remove the main fuse to completely de-energize the circuit. Verify power is off using a voltage tester.
2. **Prepare Fuse Holder:** Ensure the existing Edison base fuse holder is clean and free from debris or corrosion.
3. **Insert Adaptor:** Screw the Bussmann SA-30 Fustat Fuse Adaptor into the Edison base fuse holder. Turn

clockwise until it is firmly seated. The adaptor is designed to lock into place and resist removal once installed.

4. **Install Fustat Fuse:** Once the adaptor is installed, insert the appropriate Fustat (Type S or SL rejection plug) fuse into the SA-30 adaptor. The adaptor's design will only allow a Fustat fuse of the correct amperage rating to be fully inserted.
5. **Restore Power:** After the adaptor and fuse are securely installed, restore power at the main service panel.



Figure 1: Top-down view of the Bussmann SA-30 Fustat Fuse Adaptor, showing its external threading for an Edison base socket.



Figure 2: Internal view of the Bussmann SA-30 Fustat Fuse Adaptor, illustrating the specialized receptacle designed to accept only Fustat (Type S or SL) fuses.

4. OPERATION

Once the SA-30 adaptor is correctly installed in an Edison base fuse holder and a compatible Fustat fuse is inserted, the system operates as a protected electrical circuit. The adaptor's design ensures that the circuit is protected by the specific amperage rating of the Fustat fuse. If an overcurrent condition occurs, the Fustat fuse will blow, interrupting the circuit and preventing damage to wiring or appliances. To restore power, the blown Fustat fuse must be replaced with a new one of the identical type and amperage rating.

5. MAINTENANCE

The Bussmann SA-30 Fustat Fuse Adaptor requires no routine maintenance. Periodically inspect the adaptor and fuse holder for any signs of damage, corrosion, or excessive heat. Ensure the area around the fuse panel

remains clean and dry. If the adaptor appears damaged, discolored, or shows signs of arcing, it should be replaced immediately by a qualified electrician.

6. TROUBLESHOOTING

- **Fuse Does Not Fit:** If a fuse does not fit into the SA-30 adaptor, ensure you are attempting to install a Fustat (Type S or SL rejection plug) fuse. Standard Edison base fuses will not fit this adaptor. Also, verify that the amperage rating of the Fustat fuse matches the specific rating of the adaptor.
- **Fuse Blows Repeatedly:** If a Fustat fuse blows repeatedly after installation, this indicates an electrical issue within the circuit, such as an overload or short circuit, not a problem with the adaptor itself. Do not attempt to install a higher amperage fuse. Consult a qualified electrician to diagnose and repair the underlying electrical fault.
- **No Power After Installation:** Ensure the adaptor is fully screwed into the Edison base holder and the Fustat fuse is properly seated. Confirm that power has been restored at the main service panel. If issues persist, consult a qualified electrician.

7. SPECIFICATIONS

Specification	Detail
Brand	Bussmann
Model Number	SA-30
Current Rating	30 Amps
Material	Copper
Product Dimensions (L x W x H)	5.1 x 1.9 x 1 inches
Installation Type	Screws into Edison Base Socket
UPC	051712101097
Compliance	UL Listed
Item Weight	0.16 ounces

8. SAFETY INFORMATION

WARNING: Electrical work can be hazardous. Always exercise extreme caution.

- **Professional Installation Recommended:** If you are not familiar with electrical wiring and safety procedures, it is strongly recommended to have this product installed by a qualified electrician.
- **Disconnect Power:** ALWAYS disconnect power at the main service panel before installing, removing, or inspecting fuse adaptors or fuses. Failure to do so can result in severe electrical shock, injury, or death.
- **Correct Fuse Type:** This adaptor is designed exclusively for Fustat (Type S or SL rejection plug) fuses. Do not attempt to force other types of fuses into the adaptor.
- **Correct Amperage:** Only use Fustat fuses with the amperage rating specified for the SA-30 adaptor. Using an incorrect amperage fuse can lead to circuit damage or fire.
- **No Modification:** Do not attempt to bypass, modify, or tamper with the adaptor's design or function. This can compromise its safety features.

- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

9. WARRANTY AND SUPPORT

This Bussmann SA-30 Fustat Fuse Adaptor is covered by a Manufacturer Warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the documentation provided with your purchase or visit the official Bussmann website.

For technical assistance, product inquiries, or warranty claims, please contact Bussmann customer service directly. Contact information can typically be found on the manufacturer's website or product packaging.