

Leviton 5369-C

Leviton 20 Amp, 125 Volt Connector Instruction Manual

Brand: Leviton | Model: 5369-C

INTRODUCTION

This manual provides comprehensive instructions for the Leviton 5369-C 20 Amp, 125 Volt, Industrial Grade, Straight Blade, Grounding Connector. It is designed to assist users in safely and correctly installing and maintaining the device. The Leviton Black & White line of industrial grade locking blade devices are constructed for durability, resisting impact, sunlight, chemicals, and rough use. They feature solid one-piece contacts and blades for superior conductivity and corrosion-resistant options with nickel-plated contacts and stainless steel components. The ergonomic design ensures a secure grip, and the unique cord clamp accommodates a wide range of cord sizes without damage.

SAFETY INFORMATION

WARNING: Shock Hazard. To avoid risk of serious injury or death, turn power off at the circuit breaker before wiring any electrical device.

Always ensure power is disconnected at the circuit breaker before beginning any installation or maintenance work on the connector. Failure to do so can result in severe injury or death. Adhere to all local electrical codes and regulations. If you are unsure about any step, consult a qualified electrician.

- Always verify that the power supply is off before handling electrical components.
- Use appropriate personal protective equipment (PPE), such as insulated gloves and safety glasses.
- Ensure all connections are secure and properly insulated to prevent short circuits or electrical hazards.
- Do not exceed the specified amperage and voltage ratings of the connector.

PRODUCT OVERVIEW

The Leviton 5369-C connector is engineered for industrial applications, offering robust performance and reliability. Key features include:

- **Super Tough Nylon Body:** Resists damage from severe impact, abrasion, and chemicals.
- **Transparent Wiring Chambers:** Provide a means of visual inspection of conductors and terminals.
- **Wiring Module Keyed to Body:** Ensures easy assembly and a tight fit.
- **Dead Front Solid Containment Barrier:** Prevents accidental contact with internal parts.
- **Wire Clamps:** Bundle stranded wire, maximizing wire/clamp surface contact.



Front view of the Leviton 20 Amp, 125 Volt, Industrial Grade, Straight Blade, Grounding Connector.

SETUP AND INSTALLATION

This section guides you through the proper wiring of your Leviton connector. For a visual demonstration, please refer to the official installation video below.

Official Leviton video demonstrating how to wire a Black and White Plug and Connector.

Wiring Instructions:

1. **Prepare for Wiring:** Before wiring, ensure the power to the cable is completely off at the circuit breaker. Identify the NEMA configuration, amperage, and voltage stamped on the faceplate of the connector.
2. **Disassemble the Connector:**
 - Using a Phillips head screwdriver, loosen the quick screws on the faceplate.
 - Carefully remove the faceplate from the body housing.
 - Loosen the two strain relief screws on the strain relief component.



The connector disassembled, showing the faceplate and body housing.

3. **Feed the Cable:** Feed your cable through the strain relief and then through the body housing.
4. **Strip the Cable Jacket:** Strip the cord jacket according to the diagram found on the instruction sheet. Your individual wire leads should be approximately 1.5 inches long. Remove the stripped cord jacket.
5. **Prepare Individual Wires:**
 - Cut the green (ground) wire to be approximately 1 inch long.
 - Strip all other wires approximately 5/8 of an inch using wire strippers.
6. **Loosen Terminal Screws:** On the faceplate, loosen all terminal screws. The green ground screw is located in the center of the device. Back out the screws fully.
7. **Connect the Ground Wire:** Insert the green (ground) wire into the wire well of the green ground terminal. Push it in firmly, then use your Phillips screwdriver to tighten the terminal clamp securely.
8. **Connect the Neutral Wire:** Insert the white (neutral) wire into the wire well of the silver terminal screw. Push it in firmly, then tighten the terminal screw.
9. **Connect Remaining Wires:** Insert your remaining three wires into their respective wire wells and connect them to the brass terminals. Tighten each terminal screw securely.
10. **Reassemble the Connector:**
 - Slide the faceplate into the body housing. Note the channel guide on the body housing that lines up perfectly with the faceplate for proper alignment.
 - Using a Phillips head screwdriver, tighten the quick screws on the faceplate to secure it.



Rear view of the connector with wiring terminals visible.

11. **Tighten Strain Relief:** As the final step, tighten both screws on the strain relief on the cable to ensure a secure grip and prevent cable pull-out. If your wire is larger than the groove on the strain relief, you can remove a section of the strain relief to accommodate larger wire.

OPERATING THE CONNECTOR

Once properly wired and assembled, the Leviton 5369-C connector is ready for use. Simply plug it into a compatible 20 Amp, 125 Volt receptacle. Ensure the connection is firm and secure. This connector is designed for straight blade applications and provides a reliable grounding connection for your electrical equipment.

MAINTENANCE

Regular inspection and proper maintenance will ensure the longevity and safe operation of your Leviton

connector.

- **Visual Inspection:** Periodically inspect the connector body and cable for any signs of damage, such as cracks, fraying, or discoloration.
- **Connection Check:** Ensure all screws (faceplate, terminal, and strain relief) remain tight. Loose connections can lead to overheating or intermittent power.
- **Cleaning:** Keep the connector clean and free from dust, dirt, and moisture. Use a dry cloth for cleaning. Do not use liquid cleaners.
- **Storage:** When not in use, store the connector in a dry, clean environment away from extreme temperatures and direct sunlight.

TROUBLESHOOTING

If you encounter issues with your Leviton connector, consider the following common troubleshooting steps:

- **No Power:**
 - Check the circuit breaker to ensure it has not tripped.
 - Verify that the power source (receptacle) is functioning correctly.
 - Inspect all internal wiring connections within the connector for looseness or improper installation.
- **Intermittent Power:**
 - Tighten all terminal screws and the strain relief screws.
 - Check the cable for any internal breaks or damage.
- **Overheating:**
 - Ensure the connected load does not exceed the connector's 20 Amp rating.
 - Verify that all wire gauges are appropriate for the current draw and that connections are tight.
- **Physical Damage:** If the connector body shows signs of significant damage, replace the unit immediately. Do not attempt to repair damaged electrical components.

SPECIFICATIONS

Specification	Detail
Brand	Leviton
Model Number	5369-C
Amperage	20 Amps
Voltage	125 Volts
Plug Format	Type B
No. of Wires	3

Specification	Detail
Material	Plastic (Super Tough Nylon Body)
Color	Black-White
Item Weight	2.4 ounces
Product Dimensions	4 x 4 x 4 inches
Country of Origin	China
Specification Met	NEMA

WARRANTY AND SUPPORT

Warranty Description: This Leviton product is backed by a Lifetime Warranty, ensuring long-term reliability and peace of mind. For specific terms and conditions of the warranty, please refer to the documentation included with your purchase or visit the official Leviton website.

Customer Support: For technical assistance, product inquiries, or warranty claims, please contact Leviton customer support through their official website or the contact information provided with your product packaging. You can also visit the [Leviton Store on Amazon](#) for more information and related products.