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Leviton 4579-C

Leviton 4579-C Locking Connector User Manual

Model: **4579-C** | Brand: **Leviton**

Product Overview

The Leviton 4579-C is a 15 Amp, 250 Volt, NEMA L6-15R locking connector designed for industrial-grade applications. This 2-pole, 3-wire grounding connector is built with a super tough nylon body, providing resistance against severe impact, abrasion, and chemicals. It features solid brass blades and contacts for improved conductivity, low resistance, and long life. Internal wiring chambers are designed to isolate individual conductors, preventing flashover, arcing, and stray wire strands.

This product is UL and CSA listed, ensuring compliance with safety and performance standards.



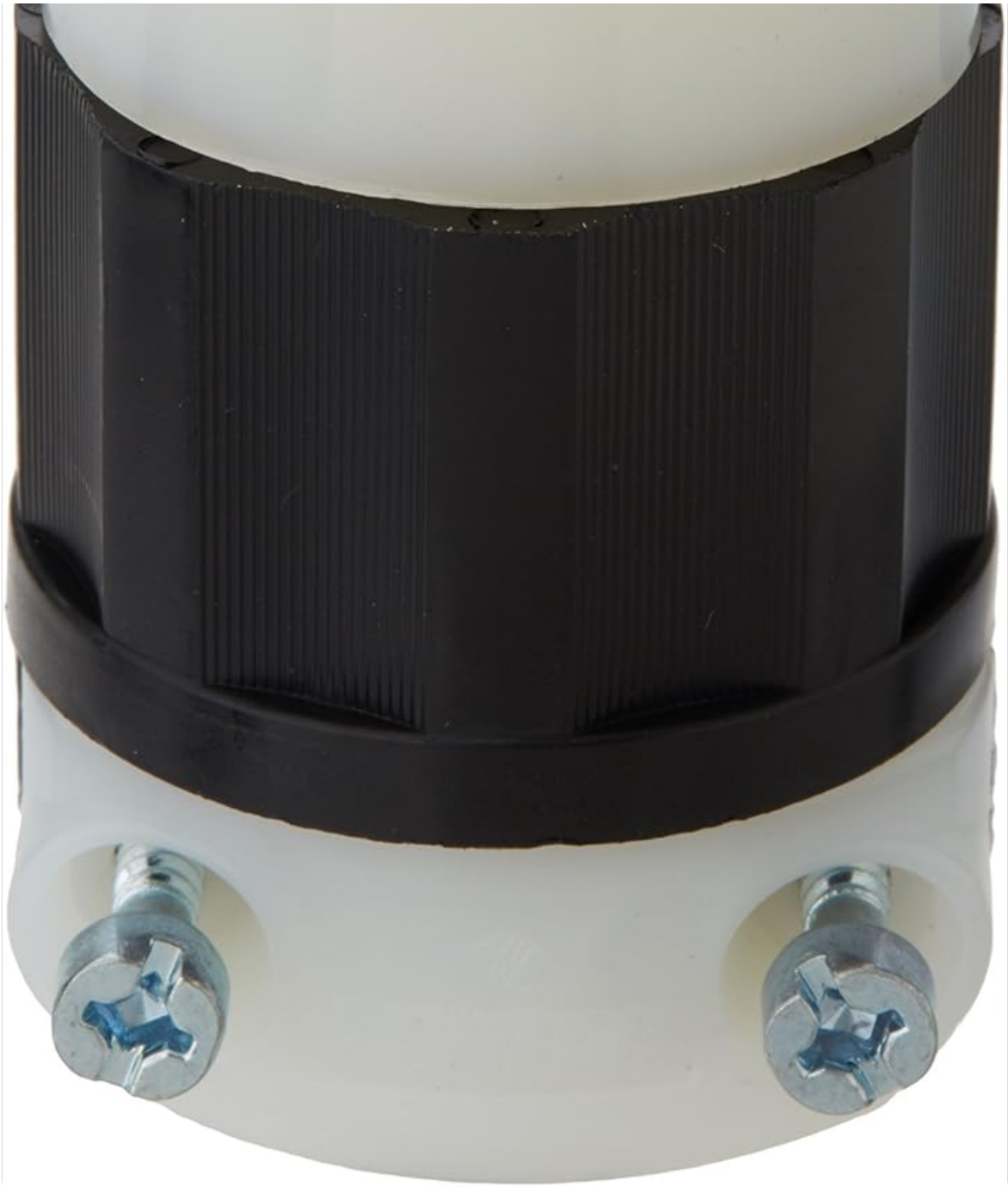

Figure 1: Front view of the Leviton 4579-C Locking Connector, showcasing its robust design and clear terminal screws.

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 disconnect power at the circuit breaker or fuse box before installing or servicing this device.
- Ensure all wiring is performed by a qualified electrician or in accordance with local electrical codes.
- Verify the voltage and amperage ratings of the connector match your application requirements.
- Do not use this device if it appears damaged.
- Keep children away from electrical devices and wiring.

Setup and Installation

Follow these steps carefully to properly install the Leviton 4579-C Locking Connector. Refer to the accompanying video

for visual guidance.

Tools Required:

- Phillips Head Screwdriver
- Wire Strippers

Installation Steps:

1. **Prepare the Connector:**
   Using a Phillips head screwdriver, loosen the quick screws on the faceplate and carefully remove the faceplate from the body housing.



Figure 2: The Leviton connector disassembled, showing the faceplate separated from the body housing.

2. **Prepare the Cable:**
   Loosen the two strain relief screws on the strain relief. Feed your cable through the strain relief and then through the body housing.
   Strip the cord jacket according to the diagram found on the instruction sheet. Your leads should be approximately 1.5 inches long. Remove the cord jacket to expose the individual wires.

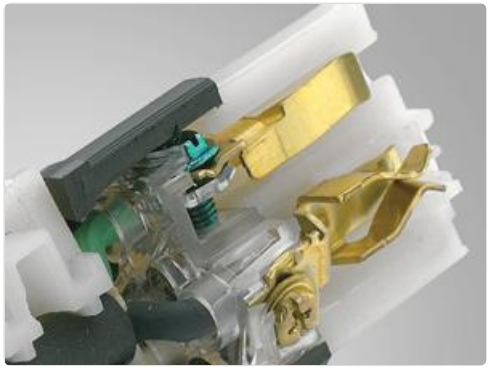

Figure 3: Cable prepared with the outer jacket removed, showing the internal wires ready for connection.

3. **Wire the Ground (Green) Wire:**
   Your ground (green) wire should be cut to approximately 1 inch long. Using wire strippers, strip approximately 5/8 of an inch from the end of all wires. Loosen all terminal screws on the faceplate. The green ground screw is located in the center of the device. Insert the green wire into the wire well of the green ground terminal and tighten the terminal screw securely.
4. **Wire the Neutral (White) Wire:**
   Connect the white (neutral) wire into the wire well of the silver terminal screw. Tighten the terminal screw firmly.
5. **Wire the Remaining Wires:**
   Connect the remaining three wires into their respective wire wells on the brass terminals. Ensure each wire is fully inserted and then tighten the terminal screws.
6. **Reassemble the Connector:**
   Slide the faceplate back into the body housing. Note the channel guide on the body housing that aligns perfectly

with the faceplate. Once aligned, tighten the quick screws on the faceplate to secure it.

7. **Secure the Strain Relief:**
   Tighten both screws on the strain relief to secure the cable. If your wire is larger than the groove on the strain relief, you may remove a section of the strain relief to accommodate larger wire gauges.

Installation Video:

Your browser does not support the video tag.

Video 1: Detailed instructions on how to wire a Leviton Black and White Plug and Connector. This video demonstrates the steps for disassembling, wiring, and reassembling the connector.

Operating Instructions

The Leviton 4579-C is a passive electrical connector. Once properly wired and installed, it functions by providing a secure, locking electrical connection. To operate, simply align the male plug with the female connector (or receptacle) and twist to lock the connection. Ensure a firm connection to prevent accidental disconnection.

Maintenance

- Periodically inspect the connector for any signs of wear, damage, or discoloration.
- Ensure all screws remain tight, especially the terminal and strain relief screws.
- Clean the exterior of the connector with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- If any damage is observed, disconnect power immediately and replace the connector.

Troubleshooting

Problem	Possible Cause	Solution
No power through connector	Loose wiring connection; Circuit breaker tripped; Damaged cable/connector	Check and tighten all terminal screws; Reset circuit breaker; Inspect cable and connector for damage and replace if necessary.
Connector feels hot	Overload; Loose connection; Incorrect wire gauge	Reduce load; Check and tighten all connections; Ensure appropriate wire gauge is used for the current rating.
Difficulty connecting/disconnecting	Misalignment; Debris in pins/slots; Damaged pins/slots	Ensure proper alignment before twisting; Clean any debris; Replace connector if pins/slots are damaged.

Specifications

Feature	Detail
Brand	Leviton
Model Number	4579-C
Amperage	15 Amps
Voltage	250 Volts (AC)
NEMA Configuration	L6-15R

Feature	Detail
Poles / Wires	2 Pole, 3 Wire, Grounding
Material	Nylon
Approvals	UL, CSA C22.2, NOM 057
Features	Impact Resistant, Abrasion Resistant, Chemical Resistant
Item Weight	2.39 ounces
Product Dimensions	9 x 7 x 6 inches
UPC	078477795712

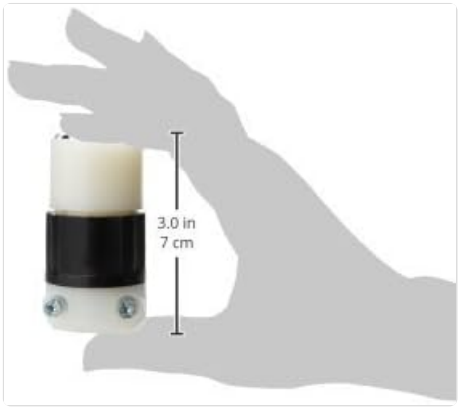

Figure 4: Side view of the Leviton 4579-C Locking Connector, illustrating its compact size of 3.0 inches (7 cm).

Warranty and Support

Leviton's industry-leading locking devices, including the 4579-C, are backed by a lifetime warranty. For technical support, warranty claims, or additional product information, please visit the official Leviton website or contact their customer service department. Always refer to the latest product documentation for the most up-to-date information.

You can find more information and contact details on theLeviton Brand Store on Amazon.

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