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Leviton 5259-VB

Leviton Python Industrial Grade Connector User Manual

Model: 5259-VB

Brand: Leviton

INTRODUCTION

This manual provides comprehensive instructions for the safe and proper use of the Leviton 5259-VB Industrial Grade Straight Blade Grounding Connector. Designed for demanding commercial and industrial electrical environments, this connector emphasizes ruggedness and ease of installation.

The Leviton 5259-VB features a polarized design, constructed with a Super Tough Nylon body and a Thermoplastic back cover for enhanced durability. It is rated for 15 Amperes at 125 Volts, configured as a 5-15R, and supports 3 wires. This product holds UL 498, CSA C22.2, and NOM 057 approvals, ensuring compliance with safety and performance standards.

SAFETY INFORMATION

Always adhere to local electrical codes and safety regulations. Failure to do so may result in serious injury or property damage.

- **Disconnect Power:** Always ensure that power to the circuit is disconnected at the service panel before attempting any installation, wiring, or maintenance.
- **Qualified Personnel:** If you are unsure about any part of the installation process, consult a qualified electrician.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses and insulated gloves, when working with electrical components.
- **Proper Grounding:** Ensure the connector is properly grounded according to wiring diagrams and local codes to prevent electrical shock.
- **Rated Capacity:** Do not exceed the specified voltage (125V) or amperage (15A) ratings of the connector. Overloading can lead to overheating and fire hazards.
- **Inspect for Damage:** Before installation, inspect the connector for any signs of physical damage. Do not install damaged components.

PRODUCT FEATURES

- EB PYTHON CONN 2PO 3WI 5-15R 15A125V
- NEMA configuration and ratings molded directly on the device for easy identification.
- Features One-Piece Connector Contacts for superior electrical conductivity and reliability.
- Constructed with high-quality Copper-Alloy contact material for optimal performance.
- Durable Super Tough Nylon body and Thermoplastic back cover designed to withstand harsh industrial conditions.

SETUP AND INSTALLATION

This section outlines the general procedure for wiring the Leviton 5259-VB connector. Always ensure power is disconnected at the circuit breaker or fuse box before beginning any electrical work.

1. **Prepare the Cable:** Carefully strip the outer jacket of your electrical cable to the appropriate length, typically 1 to 1.5 inches, exposing the insulated wires. Then, strip approximately 1/2 inch of insulation from the end of each individual wire (hot, neutral, ground).
2. **Identify Terminals:** The Leviton 5259-VB connector has clearly marked terminals. The green screw terminal is for the ground wire, the silver screw terminal is for the neutral wire, and the brass screw terminal is for the hot (live) wire.
3. **Connect Wires:** Loosen the terminal screws. Insert the bare end of the ground wire into the green terminal, the neutral wire into the silver terminal, and the hot wire into the brass terminal. Ensure that no stray wire strands are present outside the terminal. Tighten each screw firmly to secure the connection.
4. **Assemble Housing:** Carefully close the connector housing, ensuring that all wires are neatly tucked inside and not pinched by the housing components. Secure the housing with the provided screws. Ensure the cable clamp at the rear of the connector is tightened to provide strain relief for the cable.
5. **Test:** After assembly, restore power to the circuit. Use a circuit tester to verify proper wiring and operation before connecting any devices.



Image: The Leviton 5259-VB connector with its housing open, revealing the internal wiring terminals. Note the NEMA 5-15R configuration and the 15A 125V rating clearly marked on the face.

OPERATION

Once properly wired and connected to a compatible electrical cord, the Leviton 5259-VB connector functions as a standard 15 Amp, 125 Volt straight blade grounding connector. It is designed for reliable power transmission in various industrial and commercial applications. Ensure that the connected load does not exceed the connector's rated amperage to prevent overheating and potential damage.

MAINTENANCE

Regular maintenance helps ensure the longevity and safe operation of your Leviton connector.

- **Visual Inspection:** Periodically inspect the connector for any signs of wear, cracks, discoloration, or physical damage. Pay close attention to the cable entry point for fraying or insulation damage.
- **Connection Integrity:** If accessible and safe to do so (with power disconnected), periodically check that all terminal screws remain tight. Loose connections can lead to overheating.
- **Cleaning:** Clean the exterior of the connector with a dry, non-abrasive cloth. Do not use harsh chemicals, solvents, or abrasive cleaners, as these can damage the housing material.
- **Storage:** When not in use, store the connector in a clean, dry environment, away from extreme temperatures and direct sunlight.

TROUBLESHOOTING

If you encounter issues with your Leviton 5259-VB connector, consider the following common troubleshooting steps:

No Power to Connected Device

- **Check Power Source:** Verify that the outlet or circuit supplying power to the connector is active and functioning correctly. Check the circuit breaker or fuse.
- **Verify Connections:** With power disconnected, open the connector housing and ensure all wire connections (hot, neutral, ground) are securely fastened to their respective terminals. Re-tighten if necessary.
- **Inspect for Internal Damage:** Look for any signs of burnt wires, melted plastic, or damaged contacts within the connector. If damage is found, replace the connector.

Loose Connection or Intermittent Power

- **Re-tighten Terminal Screws:** Disconnect power and re-tighten all terminal screws inside the connector.
- **Check Cable Clamp:** Ensure the cable clamp at the rear of the connector is securely tightened to prevent the cable from pulling out or twisting, which can loosen internal connections.

If troubleshooting steps do not resolve the issue, discontinue use and contact a qualified electrician or Leviton customer support.

TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Leviton
Model Number	5259-VB
Amperage	15 Amps
Voltage	125 Volts
Plug Format	NEMA 5-15R
Number of Wires	3

Number of Poles	2
Product Grade	Industrial
Material	Nylon (Body), Thermoplastic (Back Cover)
Contact Material	Copper-Alloy
Approvals	UL 498, CSA C22.2, NOM 057
Item Weight	2.32 ounces
Product Dimensions	9.38 x 7.13 x 9 inches

WARRANTY INFORMATION

This Leviton product is covered by a manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the official documentation included with your purchase or visit the Leviton website. Warranty claims are typically handled directly by Leviton.

CUSTOMER SUPPORT

For further assistance, technical support, or additional product information, please visit the official Leviton website or their Amazon Brand Store. These resources provide access to FAQs, product documentation, and contact options for customer service.

Leviton Amazon Brand Store: <https://www.amazon.com/stores/Leviton/page/E9D07CC1-208A-47D5-8C59-CA1F0AA27EFC>