

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [Leviton](#) /

> [Leviton 15 Amp 125 Volt Industrial Grade Straight Blade Grounding Connector 1547 User Manual](#)

Leviton 1547

Leviton 15 Amp 125 Volt Industrial Grade Straight Blade Grounding Connector (Model 1547)

User Manual

[Product Overview](#)

[Important Safety Information](#)

[Troubleshooting](#)

[Technical Specifications](#)

[Installation Instructions](#)

[Warranty and Support](#)

[Operation](#)

[Maintenance](#)

PRODUCT OVERVIEW

The Leviton 15 Amp, 125 Volt, Straight Blade, Industrial Grade, Dustguard, Grounding Connector, Model 1547, is engineered for demanding environments. Its rugged construction resists impact, sunlight, chemicals, and rough use. Key features include solid one-piece contacts for superior conductivity and an ergonomic, fluted-body design with a radial gripping edge for easy handling. The unique cord clamp accommodates a wide range of cord sizes, ensuring a secure grip without damaging the cord. This connector is designed to meet IP44 splash-proof and dust-tight standards. The Santoprene Husk material provides resistance to oil, acids, alkalis, and many industrial solvents, and is developed to withstand dusty and dirty environments, cracking, fading, and temperature extremes.



Image: Leviton 1547 Industrial Grade Straight Blade Grounding Connector, Yellow.

IMPORTANT SAFETY INFORMATION

WARNING: Risk of Electric Shock or Fire. This product must be installed and used in accordance with national and local electrical codes. If you are unsure about any part of these instructions, consult a qualified electrician. Always disconnect power at the circuit breaker or fuse box before installing or servicing this product. Do not use this product if it appears damaged. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

- Always ensure power is OFF before installation or maintenance.
- Do not exceed the specified electrical ratings (15 Amp, 125 Volt).
- Ensure proper grounding connections are made.
- Keep away from children.
- Do not immerse in water. This product is splash-proof, not waterproof.

INSTALLATION INSTRUCTIONS

Follow these steps for proper wiring and assembly of the connector:

1. **Prepare the Cable:** Strip the outer jacket of your electrical cable to the appropriate length, typically 1 to 1.5 inches, exposing the insulated conductors (hot, neutral, ground). Strip approximately 1/2 inch of insulation from each conductor.
2. **Disassemble the Connector:** Unscrew the housing of the Leviton 1547 connector to separate the body from the wiring module.
3. **Insert Cable:** Thread the prepared cable through the cord clamp and into the connector body.
4. **Wire Connections:** Connect the insulated conductors to the corresponding terminals on the wiring module.
 - **Green or Bare Copper Wire:** Connect to the grounding screw (green).
 - **White Wire (Neutral):** Connect to the silver screw.
 - **Black Wire (Hot):** Connect to the brass screw.

Ensure all wire strands are securely under the screw heads and tightened firmly. Double-check that no stray wire strands are touching other terminals.

5. **Secure Cord Clamp:** Tighten the cord clamp screws to secure the cable, ensuring a firm grip without overtightening, which could damage the cord. The cord clamp prevents strain on the wire connections.
6. **Reassemble Connector:** Carefully align the wiring module with the connector body and screw the housing back together until it is tight. Ensure no wires are pinched during reassembly and that the connector is fully sealed.

OPERATION

Once properly installed and assembled, the Leviton 1547 connector functions as a standard electrical plug. Insert the connector into a compatible 125 Volt, 15 Amp, straight blade receptacle (NEMA 5-15R) to establish an electrical connection. Ensure the connection is firm and secure. To disconnect, grasp the connector body and pull it straight out from the receptacle; do not pull by the cord.

MAINTENANCE

To ensure continued safe and reliable operation of your Leviton 1547 connector, perform the following maintenance:

- **Regular Inspection:** Periodically inspect the connector for any signs of wear, damage, cracks, discoloration, or exposed wiring. Check the cord clamp for tightness.
- **Cleaning:** The Dustguard design helps protect internal components from dust and moisture. Clean the exterior of the connector with a dry, soft cloth. Do not use harsh chemicals, solvents, or abrasive cleaners, as these can damage the Santoprene Husk material.
- **Environmental Protection:** While designed for industrial use and resistance to various elements, avoid prolonged exposure to extreme conditions beyond its specifications.
- **Replacement:** If the connector shows any signs of significant damage, such as deep cracks in the housing, bent or corroded blades, or if the cord clamp is no longer securing the cable, replace the connector immediately. Do not attempt to repair damaged electrical components.

TROUBLESHOOTING

If you encounter issues with your Leviton 1547 connector, refer to the following table for common problems

and solutions:

Problem	Possible Cause	Solution
No power to connected device	Loose wire connection inside the connector or at the receptacle.	Disconnect power at the circuit breaker. Carefully disassemble the connector and re-check and tighten all wire connections. Ensure the receptacle is functioning correctly.
Connector feels hot during use	Overload on the circuit, poor wire connection, or damaged connector.	Immediately disconnect power. Ensure the connected device does not exceed the connector's 15 Amp rating. Inspect for loose connections or visible damage. If damage is present, replace the connector.
Connector does not fit into the receptacle	Incompatible plug or receptacle type.	Verify that the receptacle is a standard 125 Volt, 15 Amp, straight blade type (NEMA 5-15R). This connector is not designed for other receptacle types.
Visible damage to the connector (cracks, exposed wires)	Physical stress, impact, or chemical exposure.	Replace the connector immediately. Do not use damaged electrical equipment as it poses a severe safety risk.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Leviton
Model Number	1547
Amperage	15 Amps
Voltage	125 Volts
Connector Type	Straight Blade, Grounding
Plug Type	Type B or Type NEMA 5-15
Number of Poles	2
Number Of Wires	3
Product Grade	Industrial
Material	Copper (contacts), Santoprene Husk (body)
Color	Yellow (Multi)
Specification Met	NEMA, IP44 (Splash proof and dust-tight)

WARRANTY AND SUPPORT

This Leviton product is backed by a **10 Year Limited Warranty**. This warranty covers defects in materials

and workmanship under normal use. For specific details regarding warranty coverage, limitations, and how to make a claim, please refer to the official Leviton website or contact Leviton customer service directly.

For technical assistance, product inquiries, or support, please visit the official Leviton website (www.leviton.com) or contact their customer support department. Contact information, including phone numbers and email addresses, can typically be found in the 'Support' or 'Contact Us' section of their website.