Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Tissting RV5.5-6

Tissting RV5.5-6 Pre-Insulated Ring Terminals User Manual

Model: RV5.5-6 | Brand: Tissting

1. Introduction

This manual provides instructions for the proper use and installation of Tissting RV5.5-6 pre-insulated ring terminals. These terminals are designed for secure and reliable electrical connections in various applications.

Package Contents:

- 100 x RV5.5-6 Insulated Ring Terminals

2. Product Overview

Key Features:

- **Material:** Constructed from high-quality copper with PVC insulation, offering excellent tensile strength, chemical resistance, and electrical insulation properties.
- **Wire Compatibility:** Suitable for wires ranging from 4-6mm² (AWG 12-10).
- **Current Rating:** Supports a maximum current of 48A.
- **Crimping Tool Compatibility:** Designed for use with standard crimping tools such as HX-30J, AN-30J, AP-30J, and FSB-054YJ.
- **Applications:** Ideal for use in electrical and electronic industries, various electrical equipment, machinery, traffic lighting systems, household appliances, computers, and other automation equipment.
- **Corrosion Resistance:** Features a tin-plated surface to prevent oxidation of conductive materials, ensuring good electrical conductivity and long-term connection reliability.



Figure 1: Dimensional drawing of the RV5.5-6 ring terminal, showing measurements for d2 (6.5mm/0.26in), W (12.0mm/0.47in), F (10.5mm/0.41in), L (29.5mm/1.16in), H (13.0mm/0.51in), d1 (3.5mm/0.14in), D (6.5mm/0.26in), and T (1.0mm/0.04in).



Figure 2: Insulated ring terminals connected to an electrical power supply unit, demonstrating their application in wiring.

3. Specifications

Specification	Value
Item Type	Insulated Wire Terminal
Model	RV5.5-6
Material	Copper + PVC
Color	Green
Applicable Wire Gauge	4-6mm² (AWG 12-10)
Maximum Current	48A

Specification	Value
Applicable Crimping Tools	HX-30J, AN-30J, AP-30J, FSB-054YJ
Bolt Diameter	Approx. 6mm / 0.24in (1/4in American Bolt)
Manufacturer Part Number	Tisstingsmxgwaye01
Item Weight	4.6 ounces

4. Installation and Usage

General Application:

Tissting RV5.5-6 insulated ring terminals are used to create a secure and insulated connection between an electrical wire and a screw terminal or stud. They are commonly found in industrial, automotive, and household electrical systems.

Your browser does not support the video tag.

Video 1: A visual demonstration showcasing a large quantity of insulated ring terminals.

Step-by-Step Installation:

1. **Strip Wire Insulation:** Carefully strip approximately 8-10mm (0.3-0.4 inches) of insulation from the end of the electrical wire. Ensure the exposed copper strands are clean and untwisted.
2. **Insert Wire:** Insert the stripped end of the wire completely into the metal splice barrel of the ring terminal. Ensure no stray strands are outside the barrel.
3. **Select Crimping Tool:** Choose a professional crimping tool compatible with AWG 12-10 wires (e.g., HX-30J, AN-30J, AP-30J, FSB-054YJ).
4. **Crimp Terminal:** Place the metal part of the ring terminal into the appropriate crimping die of the tool. Squeeze the handles of the crimping tool firmly until the crimp is complete and the terminal is securely fastened to the wire. A proper crimp should be tight and hold the wire without slippage.
5. **Verify Connection:** Gently tug on the wire to ensure the connection is secure. The insulation should extend into the terminal's plastic sleeve, providing strain relief and insulation.



Figure 3: A four-step visual guide demonstrating how to crimp an insulated ring terminal onto a wire using a crimping tool.



Figure 4: An electrician wearing a hard hat working on an electrical panel, illustrating a typical environment where these terminals are used.

5. Maintenance

These insulated ring terminals are designed for durability and require minimal maintenance once properly installed. To ensure longevity and reliable performance:

- Keep terminals clean and free from dust, dirt, and moisture before and during installation.
- Periodically inspect connections in critical applications for any signs of corrosion or loosening.
- Avoid exposing terminals to extreme temperatures or harsh chemicals that could degrade the PVC insulation.

6. Troubleshooting

Common Issues:

- **Loose Connection:** If a connection feels loose after crimping, it may indicate improper crimping technique or using an incorrect tool. Re-crimp the terminal or replace it if damaged.
- **Wire Pulls Out:** This typically means the wire was not inserted far enough into the barrel or the crimp was not

strong enough. Ensure the wire is fully seated and crimp firmly.

- **Poor Conductivity:** Check for corrosion on the wire or terminal, or ensure the crimp is tight enough to establish good electrical contact.
- **Incorrect Wire Gauge:** Using a terminal with a wire gauge outside its specified range (4-6mm² / AWG 12-10) can lead to poor connections or damage. Always match the terminal to the wire gauge.

7. Warranty and Support

For any questions regarding the Tissting RV5.5-6 pre-insulated ring terminals, or if you encounter issues not covered in this manual, please contact the manufacturer or your retailer for assistance. Please refer to your purchase documentation for specific warranty details.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0BXX9367B

More documents and user manuals: **https://manuals.plus/**