

TE 328822

TE Connectivity 328822 Ring Terminal Connector User Manual

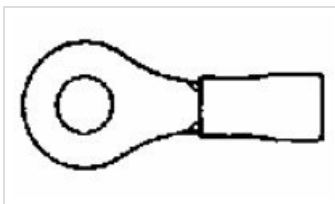
Model: 328822

1. PRODUCT OVERVIEW

The TE Connectivity Part Number 328822 is a high-quality ring terminal connector designed for reliable electrical connections. This component facilitates the secure attachment of a wire to a stud or post, ensuring optimal conductivity and mechanical stability.

Key characteristics of this connector include:

- **Terminal Shape:** Ring Tongue
- **Receptacle Style:** Straight
- **Body Style:** SOLISTRAND, STRATO-THERM
- **Barrel Type:** Closed Barrel
- **Wire/Cable Type:** Regular Wire
- **Material:** Copper



This image illustrates the basic shape of the TE Connectivity Part Number 328822 ring terminal connector, showing the ring for stud connection and the barrel for wire insertion.

2. INSTALLATION AND SETUP

Proper installation is crucial for the performance and safety of the connection. Follow these steps carefully:

1. **Prepare the Wire:** Using a suitable wire stripper, carefully remove the insulation from the end of the wire to expose the conductor. The length of the exposed conductor should match the depth of the terminal's barrel. Avoid cutting or nicking the wire strands.
2. **Insert Wire into Terminal:** Insert the stripped end of the wire completely into the barrel of the TE Connectivity 328822 ring terminal. Ensure all wire strands are contained within the barrel.
3. **Crimp the Terminal:** Use an appropriate crimping tool designed for closed barrel terminals. Position the

terminal and wire in the crimping tool's jaws and apply firm, even pressure until the crimp is complete. A proper crimp will securely hold the wire without damaging the terminal or wire strands.

4. **Inspect the Crimp:** Visually inspect the crimped connection. It should be tight and secure. Gently pull on the wire to ensure it is firmly seated in the terminal.
5. **Connect to Stud/Post:** Place the ring tongue of the terminal over the designated stud or post. Secure it with a washer and nut, tightening to the manufacturer's recommended torque specifications for the stud/post to ensure a reliable electrical and mechanical connection.

Note: Always ensure power is disconnected before performing any installation or maintenance on electrical systems.

3. OPERATION

Once properly installed, the TE Connectivity 328822 ring terminal connector functions as a permanent and secure electrical interface. Its primary role is to maintain a low-resistance electrical path between the connected wire and the stud/post, facilitating the flow of electrical current.

The closed barrel design and copper material contribute to its performance, offering excellent conductivity and resistance to environmental factors when properly sealed or protected within an enclosure.

4. MAINTENANCE

Regular inspection and maintenance can extend the lifespan and ensure the continued reliability of your electrical connections:

- **Visual Inspection:** Periodically check the terminal and surrounding area for any signs of corrosion, discoloration (indicating overheating), or physical damage.
- **Connection Security:** Ensure the nut securing the ring terminal to the stud/post remains tight. Loose connections can lead to increased resistance, heat buildup, and potential failure.
- **Cleaning:** If operating in a harsh environment, gently clean any accumulated dirt or debris from the connection area using appropriate non-conductive cleaning agents. Ensure the area is dry before re-energizing.
- **Environmental Protection:** If the connection is exposed to moisture or corrosive elements, consider applying dielectric grease or using heat-shrink tubing over the crimped barrel for added protection.

5. TROUBLESHOOTING

If an electrical issue is suspected to be related to the terminal connection, consider the following:

- **No Power/Intermittent Power:**
 - Check for a loose connection at the stud/post. Tighten if necessary.
 - Inspect the crimp for integrity. A poor crimp can lead to high resistance. If faulty, replace the terminal and re-crimp.
 - Look for signs of corrosion on the terminal or stud. Clean or replace corroded components.
- **Overheating at Connection Point:**
 - This often indicates high resistance. Check for loose connections or corrosion.
 - Ensure the terminal is appropriately sized for the wire gauge and current load. Using an undersized terminal can cause overheating.

- **Physical Damage:**

- If the terminal is bent, cracked, or otherwise damaged, it must be replaced.

Always disconnect power before troubleshooting electrical connections. If you are unsure, consult a qualified electrician.

6. SPECIFICATIONS

Attribute	Detail
Model Number	328822
Manufacturer	TE Connectivity
Connector Type	Ring Terminal
Terminal Shape	Ring Tongue
Receptacle Style	Straight
Body Style	SOLISTRAND, STRATO-THERM
Barrel Type	Closed Barrel
Wire/Cable Type	Regular Wire
Material	Copper
ASIN	B00KSCB1KI

7. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your TE Connectivity 328822 ring terminal connector, please refer to the official TE Connectivity website or contact their customer service directly. Ensure you have the model number (328822) available when seeking support.

TE Connectivity is committed to providing high-quality products and support.