

Pico 5990PT

Pico 5990PT 2-Way Deutsch/Wedgelock Connector Female Housing and Wedge Set User Manual

Model: 5990PT

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Pico 5990PT 2-Way Deutsch/Wedgelock Connector Female Housing and Wedge Set. This product is designed for creating durable and sealed electrical connections in harsh environments, commonly used in automotive and industrial applications.

The set includes one female housing and one wedgelock, intended for use with Deutsch DT series terminals (solid barrel or open end) and designed to mate with the 5991 Male Housing.

SETUP

Follow these steps to properly set up your Pico 5990PT connector:

- Terminal Insertion:** Ensure your wires are properly crimped with compatible Deutsch DT series terminals (not included). Carefully insert the terminated wires into the female housing until they click into place. Verify that each terminal is securely seated by gently pulling on the wire.
- Wedgelock Installation:** Once all terminals are inserted, slide the green wedgelock into the housing. The wedgelock is crucial for locking the terminated wires in place, preventing accidental dislodgement and ensuring a secure connection.
- Mating with Male Housing:** The 5990PT Female Housing is designed to mate with the Pico 5991 Male Housing. Align the female housing with the male plug housing and push them together firmly until the releasable tabs lock, forming a sealed and durable connection.



Image: The Pico 5990PT 2-Way Deutsch/Wedgelock Connector Female Housing (gray) shown alongside its green wedgelock component.
The housing is designed to accept two electrical terminals, which are then secured by the wedgelock.

OPERATING

Once assembled and mated, the Pico 5990PT connector provides a robust electrical connection. The thermoplastic housing and silicone seals contribute to its ability to withstand harsh environments, offering protection against moisture, dust, and vibrations.

To disconnect the housings, locate the releasable latch on the male plug housing (Pico 5991) and disengage it before gently pulling the two connector halves apart. Avoid pulling directly on the wires.

MAINTENANCE

The Pico 5990PT connector is designed for durability and requires minimal maintenance. However, periodic inspection is recommended to ensure optimal performance:

- **Visual Inspection:** Regularly check the housing for any signs of physical damage, cracks, or deformation. Ensure the wedgelock is securely in place.
- **Cleanliness:** Keep the connector free from dirt, debris, and moisture. If cleaning is necessary, use a clean, dry cloth. Avoid using harsh chemicals that could damage the thermoplastic material or seals.
- **Seal Integrity:** Verify that the silicone seals are intact and not cracked or degraded, as these are critical for maintaining the sealed connection in harsh environments.

TROUBLESHOOTING

If you encounter issues with your Pico 5990PT connector, consider the following:

- **Loose Connection:** If the connection feels loose or intermittent, ensure that the terminals are fully seated within the housing and that the wedgelock is properly installed. Also, verify that the male and female housings are fully mated and the releasable tabs are locked.

- **Difficulty Mating/Unmating:** Check for any obstructions or damage to the housing or mating surfaces. Ensure proper alignment before attempting to connect or disconnect. Do not force the connection.
- **Water/Dust Ingress:** If there are signs of moisture or dust inside the connector, inspect the silicone seals for damage or improper seating. Replace the connector if the seals are compromised.
- **Damaged Housing/Wedge:** If the housing or wedgelock is visibly damaged, it should be replaced to ensure reliable performance and environmental sealing.

SPECIFICATIONS

Feature	Detail
Model Number	5990PT
Manufacturer Part Number	5990PT
Type	2-Way Female Housing and Wedge Set
Compatibility	Deutsch / Wedgelock Connector Systems (Mates with 5991 Male Housing)
Housing Material	Thermoplastic
Seals	Silicone Seals (integrated with WedgLocks)
Item Weight	0.32 ounces
Package Contents	1 Set per Package (Female Housing and Wedgelock)

WARRANTY INFORMATION

For specific warranty terms and conditions related to the Pico 5990PT connector, please refer to the official documentation provided by Pico or contact Pico customer support directly. Warranty coverage typically addresses manufacturing defects under normal use conditions.

SUPPORT

If you require further assistance, have questions not covered in this manual, or need to report an issue, please contact Pico customer support. Refer to the official Pico website or product packaging for the most current contact information.

© 2024 Pico. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.

Documents - Pico – 5990PT

no relevant documents