Using the Right Combination of Application Tooling and Terminals is Critical for Maintaining Product Warranties and Protecting Your Investment

**BUSINESS CHALLENGE**

Customers jeopardize reliability, safety and their product warranties if they do not use the Original Equipment Manufacturer (OEM) tooling and terminals which have been designed and qualified together in the proper application and adhere to UL specifications.

There are several common instances where a customer risks losing the warranty for their specific application when using industry standard products:

- If the product and/or its components have been modified or improperly handled, used or installed.
- If the OEM tooling is used with any product other than the OEM approved product for which the tooling was designed to operate.
- If the wire termination is accomplished using equipment other than the specified OEM application tooling. A non-OEM crimp press can be used but the applicator or touch tooling that forms the terminal around the wire must use OEM tooling.

Customers also need to take into consideration the UL designation for terminal and connector products. Most OEM terminals and connectors are UL recognized and approved for use in an end product that complies with UL requirements. However, it is different with closed barrel terminals like rings, spades, splices and quick connects. The combination of OEM specified tooling and these closed barrel terminals earns a UL Listing, which demands that the OEM product itself comply with UL requirements and be subjected to UL testing and inspections. Should customers use an incorrect combination of terminal and tooling, or use the terminal in an application exceeding the defined product parameters or UL standard, they not only void their warranty and UL Listing but expose themselves to product liability issues.

**SOLUTION**

By using the complete Molex Interconnect System – including the correct combination of Molex terminals and specified tooling – customers receive a reliable solution each and every time while maintaining their product warranty and meeting different industry standards like the UL Listing requirements.

Molex understands that identifying the right tooling equipment to use with a specific connector system can be challenging. To simplify the process, the company provides a search feature on Molex.com that allows users to input the terminal part number and retrieve exact tooling options and work instructions. Details include the tooling part information; instruction manual; and Application Tooling Specification sheet, which provides critical specifications to help ensure the proper products and tools are being used to achieve compliance and maintain product warranties. There is also a search feature that allows customers to identify previously available tooling to help reduce costs to the customers.

Molex offers free educational materials about crimping through its commercial crimp book. Additionally, its Crimp Quality Posters, which are 25” x 38” in size and feature either closed barrel or open barrel terminals, are available in 15 different languages including English and Spanish. Finally, Molex technical experts are always available to answer questions about Molex connector products, tooling equipment and overall crimp quality.
BENEFITS AND ROI

Thanks to rigorous testing and validation procedures, Molex stands behind its solutions with warranties that ensure its products will deliver unmatched performance in any customer application within the designed product specification of the system.

To learn more visit www.molex.com/ab/solderlessterminals.html
www.molex.com/ab/applicationtooling.html