



TERMINATION CONNECTORS

Molex MUO 2.5 Termination Connectors Reduce Harness Assembly Lead Times and Improve Quality

BUSINESS CHALLENGE

OEM and cable assembly houses seek to reduce cable assembly time while also improving reliability, quality, safety and cost.

Traditional termination process with Closed-End (CE) terminals requires some expertized and complicated processes, and additional air press machine. It may cause wire damage and it cannot be disassembled or reworked, once they are assembled. This lack of flexibility can raise costs and lengthen the harness assembly lead time, and increase the quality risks.

OEMs and cable assembly houses are also always looking for opportunities to improve the reliability, quality, efficiency and safety of the grounding solutions, commonly used for applications that use CE Terminal, home appliances such as washing machines, refrigerators and toilets as well as in HVAC equipment such as water heaters, air conditioners and floor heating systems.

SOLUTION

Molex introduces the MUO 2.5 Termination Connector to replace CE terminals.

The MUO 2.5 Termination Connector is designed to replace CE terminals, eliminating concern about potential wire damage. At the same time, the MUO 2.5 allows the wire adding process in the later process, and the disassembly or rework after installation, adding valuable flexibility and cost-effectiveness.

Enabling a flexible workflow improves the termination process efficiency. By allowing OEMs and cable assembly houses to stock semi-assembled harnesses, the connectors minimize lead time after decided the exact ordered quantity per models. In addition, they make it possible to move the wire grounding process to the final assembly step. This provides a more precise connection at a lower assembly cost, as well as reduces inventory and minimizes the need to stock various finished cables.

The versatile MUO 2.5 Termination Connector has two retainers, 2 and 4 circuits, which can be used in 4, 6 and 8 circuit assemblies. The retainers cover the terminal lance, preventing electrical shock. The separated retainers protect the cables and secure the terminal position while preventing a terminal back-out problem, and insufficient insertion.

The connector's water exhaust function prevents water from permeating the housing, and the wire entanglement feature is an added advantage.

KEY BENEFITS

Efficient and Reliable Grounding Solution

- MUO 2.5 termination connectors replace Closed-End terminals
- They provide a more precise connection at a lower assembly cost
- Two retainers (2 and 4 circuits) can be used in any of three assemblies (4,6 and 8 circuits)
- Water exhaust function prevents water from permeating housing
- Design protects against electrical shock
- Separated retainers protect the cables and secure the terminal position

To learn more www.molex.com/link/muo25.html

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