New Hermetically Sealed ODU Push-Pull Connector Solutions

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CAMARILLO, Calif. (PRWEB) April 12, 2019 -- ODU, a worldwide leader in designing and manufacturing high-performance connector solutions and cable assemblies is introducing to the US market new hermetically sealed Push-Pull connectors.

The ODU MINI-SNAP® is an advanced circular connector solution with Push-Pull locking and robust metal housing ideal for a wide range of applications. Once mated, the ODU MINI-SNAP® locks itself into the receptacle, so whether you are transferring power, signal or data the ODU MINI-SNAP® Push-Pull principle reliability ensures that the connection is never released until desired.

The requirements for the sealing of electrical transmission interfaces are rapidly growing. Once only requiring the blockage of general dust and water tightness in industrial applications as well as high-pressure tightness underwater to now requiring an almost airtight seal – hermetic sealing.

The IEC 60068 distinguishes between three quality levels of hermetic sealing: fine, high and ultra-high vacuums. Hermetically sealed (tested helium leakage rate less than $1 \times 10^{-9}$ mbar/s), the new ODU MINI-SNAP® receptacles not only meet the demanding requirements of the UHV- suitable interfaces but also comply with high-performance data transfer. Additional product features include: 5,000 mating cycles, up to 500 autoclaving cycles, rear panel installation, temperature range from −20 °C to +120 °C.

The new ODU MINI-SNAP® receptacles offer a solution for various industrial, test and measurement and medical applications including, but not limited to semiconductor production equipment, vacuum sensors, and high-end endoscopes.

ODU Group: Global Representation with Perfect Connections

The ODU Group is one of the world’s leading suppliers of connector systems, employing 2,300 people around the world. In addition to its company headquarters in Mühldorf am Inn (Germany), ODU also has an international distribution network and production sites in Sibiu/Romania, Shanghai/China and Tijuana/Mexico. ODU combines all relevant areas of expertise and key technologies including design and development, machine tooling and special machine construction, injection, stamping, turning, surface technology, assembly and cable assembly. The ODU Group sells its products globally through its nine subsidiaries in Denmark, England, France, Italy, Sweden, the US, China, Korea and Japan, as well as through numerous international sales partners. ODU connectors ensure a reliable transmission of power, signals, data and media for a variety of demanding applications including medical technology, military and security, eMobility, energy, industrial electronics, and measurement and testing.
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