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## PRESS RELEASE

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### **Interoperability in military systems: ODU AMC<sup>®</sup> Series T - Key to efficient networking and innovation**

The interoperability of systems in the military sphere plays a crucial role during modern military operations. It allows different armed forces and units to work together seamlessly, exchange information and use resources efficiently. Inadequate communication and data exchange between the different systems leads to malfunctions, inefficiencies and security risks.

#### **Interoperability drives development at ODU**

It is precisely these requirements that have a major influence on product development. The current geo-political situation shows how important it is that Allies must be able to support each other quickly with defense systems. Crews and maintenance and aftercare logistics must also be able to adapt to the new systems without much preparation time. ODU is looking for holistic solutions with various approaches. Be it with adapter solutions, as a partner in the development of comprehensive solutions or with innovative connectivity solutions such as the ODU AMC<sup>®</sup> Series T.

The ODU AMC<sup>®</sup> Series T offers a miniature 38999 connector, which offers maximum flexibility in field assembly due to the 3 on 1 locking mechanism and meets the environmental requirements for an innovative connector. Depending on the application, a Thread-Lock, Push-Pull or Break-Away connector can be connected to a universal socket. This reduces the number of different connectors and improves the emergency running properties. The advantage for the user is enormous. Easy handling in dangerous situations, even when restricted by protective equipment such as gloves, night vision devices or thermal imaging devices, is essential.



## **Stronger networking and higher data rates**

In the future, both emergency services and vehicles will be even more closely networked to enable a seamless exchange of information. Advanced communication systems allow information to be shared in real time. State-of-the-art technologies increase data transfer speeds. This requires scalable connection technology solutions that guarantee data, signal and power transmissions – the ideal field of application for the ODU AMC® Series T with Expanded Beam Performance. It combines the advantages of a classic expanded beam solution, such as insensitivity to dirt, scratches and vibrations, with the high-performance attenuation values of a physical contact (< 0.3 dB). Compared to conventional expanded beam lens technology, 3 to 4 times the amount of glass fibers can be integrated in an identical installation space. Accordingly, the interfaces and space requirements are reduced, while the transmission capacity increases significantly over longer distances while adhering to the attenuation budget.

## **Tomorrow's challenges already thought through today**

ODU is already facing up to the technical and ecological challenges today in order to have solutions for tomorrow's applications in the future. Be it to transfer even higher data rates or to expand the existing portfolio. The miniaturization of communication systems and the use of lighter materials to improve mobility and maneuverability while reducing weight are just a few topics.

## **ODU Group: global representation with perfect connections**

The ODU Group is one of the world's leading suppliers of connector systems, employing 2,600 people around the world. In addition to its company headquarters in Muehldorf a. 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 sales offices in China, Denmark, France, Germany, Hong Kong, Italy, Japan, Korea, Austria, Romania, Sweden, UK and the US, 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, automotive, industrial electronics, and test and measurement.