

Top reliability and high-performance under extreme environmental conditions

A robust and configurable miniature connector solution - ODU AMC® High-Density

When it comes to rough environmental conditions, reliable connections are a must. The ODU AMC® High-Density connector series - with the impressive number of contacts it accommodates in the smallest space - is a very suitable component part for such purposes. These features open up new options and solutions for developers, while also challenging the manufacturer - as top reliability in the connectors as well as electrical and mechanical robustness, high data transmission performance such as high shock and vibration resistance must be maintained despite the product's compact size.

To meet these growing demands, ODU is continuously developing its series of robust mini connectors. The demand for application solutions requiring a higher level of vibration resistance and also ensure high-performance data transmission has prompted ODU to expand its ODU AMC® High-Density series and include an additional solutions.



Increased variability with dual-lock solution

Thanks to the newly developed Dual-Lock solution, a screw locking, which smoothly fits into the existing connector

design, the AMC® product series has become even more powerful and variable. In the future, two different locking types - screw-locking and break-away - are combined in one component.

Both the connector and the device part are downward compatible. This means that, whenever necessary, the flexible Dual-Lock capability can offer both the option of quick mating and unmating of the connection and additional security through the screw lock for high vibration loads.



New ODU AMC® High-Density with dual-lock solution

High-performance data transmission in smallest space

Due to the dynamic development of technology markets, these options meet the needs of constantly increasing growth of data. The main focus is on a fast and secure data transmission. Current standard connector solutions often no longer meet the continuously increasing technical requirements for robust and space-saving connector solutions in these applications.

With the new 10 GBit/s Ethernet inserts for the ODU AMC® High-Density connector series, ODU offers the ideal solution for these requirements. The inserts for the robust miniature circular connector series guarantee secure, high-performance data transmission and meet thereby the current MIL standards.



Cat-6A performance in a compact package

Complete standard system solutions

In addition to applications in military and security technology, ODU offers high-class quality connections such as the ODU AMC® High-Density series, including cable assembly, overmolding for standard and customer-specific applications or flex-layer assemblies for all markets and applications with demanding requirements. ODU also offers its proven contact technology in high-quality, reliable system solutions that are tailored to the customer.

Small, light, assembled!



ODU complete solutions with cable assemblies

Your benefits

- **DUAL-LOCK SOLUTION** – a device part that's compatible with the robust screw locking
- **HIGH-SPEED DATA TRANSMISSION** – signal, power and data transmission all within one connector
- **COMPLETE SYSTEM** – cable assembly including overmolding and flex assembly at the device part. ■

For more information: www.odu-connectors.com

