



Press contact

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PRESS RELEASE

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ODU offers innovative thermocouple module for all modular connectors

Mühldorf a. Inn. The thermocouple module was specially developed as an interface for high-temperature measurement chains. It is ideally suited for use in demanding environments such as blast furnaces in steel production as well as in large industrial plants and test cabinets. In addition to the ODU-MAC® White-Line and Silver-Line, it is now also available in the Blue-Line and thus in all modular connectors.

The operation of the high temperature measuring module is simple and effective. It creates a voltage between two wires made of different materials called a thermocouple. When temperatures are applied to the temperature sensor, the voltage generated varies due to the thermoelectric effect. These voltage changes enable extremely accurate temperature determination.

Compact and flexible

An outstanding feature of the new 6 contacts ODU-MAC® module is its versatile configurability. It can be flexibly combined with other media in the connector. Despite its compact design, it can be equipped with up to three thermocouples. Customers benefit from a reliable solution designed for at least 5,000 mating cycles.

Quickly ready for use

The thermocouple pin and socket crimp contacts of the ODU-MAC® module are available in K and T types. The stamped contacts are mounted as usual using the clip principle and are further facilitated by the coloured marking. If the thermocouple module is integrated into the connector together with the thermoelectric cables, you get a ready-to-use solution.

For more information about the module, please visit the ODU website or take a look at the product overview [here](#).



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, production and product development sites in Sibiu/Romania, Shanghai/China, Tijuana/Mexico and Camarillo/USA. 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 Austria, China, Denmark, France, Germany, Hong Kong, Italy, Japan, Korea, 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.