



Press contact

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PRESS RELEASE

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ODU-MAC[®] Power Connector

The modular system solution for high-current and high-voltage

Full power. With electrification on the rise, high-current and high-voltage are now fundamental requirements. As electrification has increased, so has the demand for a connector with larger contacts in order to transmit higher currents and higher voltages. This is why development of the ODU-MAC[®] Power Connector began around two years ago. After initial concept drawings and feedback from customers, product development began – from prototype to series production. Multiple test series were successful. Positive feedback is being received from the field.

A dream come true: the ODU-MAC[®] Power Connector

Until now, this latest product solution has been listed on our website under the heading “Products you dream of” for specific applications. Now the ODU-MAC[®] Power Connector has become a dream come true among modular connectors.

What makes the ODU-MAC[®] Power Connector so special?

The ODU-MAC[®] Power Connector connects high-voltage and high-current transmission with up to 600 A per connector, with two bridged contacts using a busbar. The IP2X touch protection ensures increased safety for users. Thanks to the ODU LAMTAC[®] Flex, low mating and demating forces can be achieved.

Modular design – ideal for testing

The possible applications for the ODU-MAC[®] Power Connector include eMobility, end-of-line testing and high-voltage testing.

A customized interface can be created by combining the ODU-MAC[®] Power Connector with ODU-MAC[®] Blue-Line modules. Depending on requirements, the docking connector



contains two or three power contacts with the ODU-MAC[®] Power Connector D216 and D316 modular solutions. The compact hybrid block ODU-MAC[®] Power Connector HB16 can be integrated into enclosures thanks to its even smaller design. This interface is suitable for manual mating.

Find out more in our video here: <https://vimeo.com/930627453>

Further information can be found at <https://odu-connectors.com/de/>

ODU Group: Global representation with perfect connections

ODU is one of the world's leading suppliers of connector systems, employing some 2,600 people around the world. In addition to its company headquarters in Muehldorf a. Inn, the ODU Group also has production sites in Sibiu (Romania), Camarillo (USA), Shanghai (China), and Tijuana (Mexico). The company combines all relevant skills and key technologies for design and development, tool and special machine construction, injection molding, stamping, turning, surface technology, assembly and cable assembly under one roof. The ODU Group distributes its products globally via an international sales network. This includes its own sales companies in China, Denmark, Germany, France, Hong Kong, Italy, Japan, Korea, Austria, Romania, Sweden, the UK, and the USA, as well as numerous global 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.