

Press Release

euromicron: IEC standardizes fiber-optic connector family URM

**High-density connectors for data center cabling certified in accordance
with the IEC standard 61754-34:2016-10**

Frankfurt/Main / Sinn-Fleisbach, January 25, 2017 – EUROMICRON Werkzeuge GmbH, a euromicron Group company, has successfully had its URM (yoU aRe Modular) fiber-optic connectors certified in the standardization process of the International Electrotechnical Commission (IEC). URM is a multi-fiber connector system in a small form factor design and has been specifically designed for high-density applications in data centers. In October 2016, the URM connectors developed in Germany assumed a firm place in the IEC 61754 series of standards for defining optical connectors and have been bindingly regulated in the individual standard IEC 61754-34:2016-10 (*Fiber optic interconnecting devices and passive components – Fiber optic connector interfaces – Part 34: Type URM connector family*).

They are available as two- and eight-fiber connectors and impress with a high packing density, as well as ultra-precise, spring-loaded ceramic ferrules. Due to the fact that every single fiber is guided individually, they permit ideal polishing of the fiber end faces, with the result that URM connectors achieve a low insertion loss of less than 0.2 dB. In data center cabling, the URM system is thus a powerful alternative to MPO connectors and permits direct adaptation of the IEEE 802.3bm standard from Base-12 to Base-8 connectivity. The performance advantage of the URM connector is of significance in particular on transmission links with a low loss budget, such as in the current development in high-speed data traffic from 40Gb Ethernet, up to 100-GbE and 400-GbE or up to 32-GB Fibre Channel. The URM connectors are manufactured by EUROMICRON Werkzeuge GmbH (Sinn-Fleisbach/Central Hesse). The connectors are processed into high-performance cabling systems for data centers by euromicron's subsidiary LWL-Sachsenkabel GmbH in Gornsdorf/Ore Mountains.

You can find more details on the euromicron URM connector system on the URM microsite at <http://urm.euromicron.com>. The official publication of the individual standard IEC 61754-34:2016-10 can be obtained from the publisher VDE-Verlag (www.iec-normen.de).

Photo 1: Up to 192 fibers per HU are possible with the euromicron fiber-optic connector URM



Photo 2: URM 8-fold plug



About euromicron AG:

euromicron AG (www.euromicron.de) that unites medium-sized high-tech companies from the fields of Digitized Buildings, Critical Infrastructures and the Smart Factory. As a German specialist for the Internet of Things, euromicron enables its customers to network business and production processes and successfully move to a digital future. From design and implementation, operation, to related services – euromicron implements customized solutions and creates the IT, network and security infrastructures required for them. As a result, euromicron lets its customers migrate existing infrastructures gradually to the digital age. euromicron's expertise helps the company's customers increase their agility and efficiency, as well as develop new business models that lay the foundation for commercial success down the road. The technology group is headquartered in Frankfurt/Main, has been listed on the stock exchange since 1998 and employs around 1,800 people at 30 locations. The euromicron Group comprises a total of 14 subsidiaries, including the brand names Elabo, LWL-Sachsenkabel, MICROSENS and telent.

About EUROMICRON Werkzeuge:

EUROMICRON Werkzeuge GmbH (www.euromicron-fiberoptic.com) is one of the leading developers and manufacturers of high-precision connection technology for fiber-optic applications and systems. EUROMICRON Werkzeuge's products are components made using cutting-edge plant technology and ensure reliable connections on tomorrow's data highways. Our success is founded on know-how, leading-edge measurement and production technology, and a quality management system certified in accordance with DIN EN ISO 9001.

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