Press release

Telegärtner presents field-terminable M12x1 IDC circular connectors with an exceptionally short housing

Steinenbronn, October 2026: Telegärtner is expanding its range of D-coded and X-coded field-terminable M12 circular connectors with IDC termination technology to include versions featuring an exceptionally short housing. These connectors are particularly suitable for applications where installation space is limited. They can be assembled quickly and easily without the need for special tools.



The new field-terminable M12x1 D-coded and X-coded IDC connectors from Telegärtner have been developed for applications with increased requirements for reliability and operational safety under extreme mechanical stress. Thanks to their exceptionally short housing, measuring only 46 to 50 millimetres in length, they are also ideally suited to installations where space is limited and conventional M12 connectors are too large.

The connectors are available in both male and female versions. The IDC insulation displacement contacts are designed not only for solid and 7-strand conductors, but also for 19-strand wires. The connectors accept wires with an outer diameter of 0.99 to 1.55 mm and cables with an outer diameter of 5.5 to 9.0 mm. They can be assembled quickly and easily on site, without the need for special tools, and are suitable for a wide variety of cable types.

“The combination of maximum reliability in confined spaces under extreme mechanical stress, together with quick and exceptionally simple on-site assembly without special tools, makes the new M12x1 IDC connectors the first choice for space-critical applications,” says Jasmin Hofbauer, Product Manager DataVoice at Telegärtner. “The IDC contacts of the new connectors provide optimum termination not only for solid and 7-strand conductors, but also for 19-strand wires, which is particularly important for applications in industrial automation.”

The M12x1 IDC connectors are IP67 rated and are suitable for operation in temperatures ranging from -40°C to +85°C.
The D-coded versions support Fast Ethernet with data rates of up to 100 Mbit/s and PoE in accordance with IEEE 802.3af, while the X-coded versions are designed for 10 Gigabit Ethernet with data rates of up to 10 Gbit/s and 4PPoE in accordance with IEEE 802.3bt.

Further information on the new field-terminable M12x1 IDC circular connectors is available on the Telegärtner website:
Learn more

Founded in 1945, Telegärtner is a globally operating full-service provider of professional solutions in connectivity and transmission technology and ranks among the leading manufacturers in the industry. The long-established family-owned company is now managed by the third generation. With around 650 employees worldwide, the Telegärtner Group generates annual revenues of more than EUR 100 million.

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