

PRODUCT NEWS

Quickly Connected: New M16B Circular Connectors with Bayonet Locking

Schalksmühle, September 2026. Lumberg is expanding its circular connector portfolio with Series 04, featuring new circular connectors with bayonet locking. The new locking mechanism enables particularly fast and convenient connection and disconnection – with a short twist instead of time-consuming, cumbersome screw locking. This makes the new variants especially suitable for applications where connections need to be made quickly, easily, and reliably or disconnected on a regular basis.

While based on the classic M16 design, the new Series 04 relies entirely on a bayonet locking mechanism. Plug in, twist, locked: the bayonet lock makes the new M16B circular connectors particularly easy to handle. Unlike a conventional screw-locking mechanism, the connection does not have to be tightened over several turns of a thread. Once the connector halves are mated, a short twist is all it takes to lock the plug and mating connector together. This saves time during assembly, installation, and service while also improving ease of use. The bayonet mechanism offers particular advantages when connections are frequently mated and unmated or when installation space is limited: the connection can be made in just a few simple steps without a time-consuming screwing motion.

Das spart Zeit bei Montage, Installation und Service und erhöht gleichzeitig den Bedienkomfort. Gerade bei häufigem Stecken und Lösen oder bei Installationen mit begrenztem Bauraum kann der Bajonettmechanismus seine Vorteile ausspielen: Die Verbindung lässt sich mit wenigen Handgriffen herstellen, ohne dass eine langwierige Schraubbewegung erforderlich ist.

Four new versions for different installation requirements

The new M16B portfolio comprises four basic variants. The 0404 is a panel-mount socket with solder terminals for front mounting, while the 0414 is the corresponding panel-mount plug. On the

cable side, the 0421 is available as a straight socket and the 0431 as a straight plug. Both feature solder terminals and a bend-protection sleeve and are designed for cable diameters from 4 to 6 mm.

Proven M16 concept – now with bayonet locking

Series 04 adopts all the characteristics of Series 03, which is standardized in accordance with IEC 61076-2-106. The “B” in the designation now specifically identifies the version with bayonet locking.

Variants with 3 to 8 poles are available, in some cases with multiple contact configurations. The connectors are rated for a current of 5 A at an ambient temperature of 40 °C. Depending on the contact configuration, the rated voltage at pollution degree 1 is up to 300 V. The permissible temperature range extends from –40 to +85 °C, and the degree of protection is IP40 when locked with the corresponding mating connector.

Conductors are terminated using proven solder connections. Conductor sizes up to 0.75 mm² (AWG 20) can be accommodated.

Key benefits at a glance

- Fast connection and disconnection thanks to bayonet locking
- Short twisting motion instead of time-consuming screw locking
- High ease of use, especially for frequent mating and unmating
- Time-saving assembly and maintenance
- Four basic versions for device and cable connections
- 3- to 8-pole variants
- Rated current up to 5 A
- Rated voltage up to 300 V, depending on contact configuration
- Conductor sizes up to 0.75 mm² / AWG 20
- Temperature range from –40 to +85 °C
- IP40 when locked with the appropriate mating connector

With the new M16B circular connectors, Lumberg combines proven M16 connection technology

with a particularly fast and convenient locking mechanism. The result is a practical solution for applications where reliable electrical connections, easy handling, and short assembly times are essential.

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More information:

<https://www.lumberg.com/en/produkte/sortiment/rundsteckverbinder>

The following media material is available for this Product News:

Photo 1 (© Lumberg): LUMBERG_Serie 04_M16B.jpg



About Lumberg Group:

The Lumberg Group, headquartered in Schalksmühle, Germany, ranks among the leading providers of connector and interconnect systems. Core areas of expertise include R&D, manufacturing and the worldwide sales of electromechanical and mechatronic components. For more than 90 years now, the Group's skills have broadened from manufacturing connectors and challenging micro-contact elements, to developing complex mechatronic assemblies, to customer-specific engineering and technical design services for all industries. In-depth application expertise led to strong partnerships in the automotive, home appliance, building technology and communications industries. Family-run in the third generation, the company has a global workforce of around 1,200. Subsidiaries in Europe, America and Asia form a dense sales network. In 2025, the Group's turnover totaled some Euro 139 m. Over 30,000 catalog and customized products are proof of the company's efficiency.

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