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Small, smaller, smallest: new ultra-miniature connector in Fischer MiniMax™ Series

St-Prex, Switzerland, 2 May 2016 – Fischer Connectors, the worldwide innovator in push-pull circular connectors and cable assembly solutions, today launched an even smaller ultra-miniature connector, **MiniMax 06**, as an extension of its miniature high-density product range, the Fischer MiniMax™ Series.

The MiniMax 06 connector can include up to **12 power and signal contacts in a footprint of only 10 mm**. This corresponds to a density factor* of 0.83 – a unique technological feature for a connector with standard 0.5 mm contacts. The new MiniMax 06 connector also includes a new unique configuration with 2 signal and 2 high-power 1.3 mm contacts for applications needing 10 Amps or more power, doubling the standard 5 Amps current rating of the existing MiniMax product line.

MiniMax 06 is easy to use and ensures premium performance even in harsh environments. Also available as a pre-cabled solution, it is ideally suited for handheld or body-worn applications when space is limited, in such fields as **defense & security, instrumentation, testing equipment**, civil or military unmanned aerial vehicles (**UAVs**), among many others.

Increased power & miniaturization with continued durability

With this new smaller connector, Fischer Connectors continues to drive the evolution towards **combined signal and power** connectors as a way of making electronics lighter and smaller. MiniMax 06 integrates fully into the ultra-miniature high-performance Fischer MiniMax™ Series, well-known for its use in limited space and lightweight applications, and for meeting the combined needs of multiple signals and power. Tested for high-speed protocols such as HDMI and data transfer up to 10Gb/s, the series also addresses the growing market need for **higher data transmission rates**.

“This product proves that miniaturization in connectivity can be successfully implemented in rugged high-density connectivity solutions that combine power and signal”, explains Wim Vanheertum, MiniMax Product Manager at Fischer Connectors. “We’ve extended our Fischer MiniMax™ Series to address application engineers’ need to increase the performance of their miniature rugged devices. Handling more mixed signal and power connections in a unique combination of multiple contacts also means increasing **flexibility** in meeting specific design challenges in miniaturization.”

MiniMax 06’s main technical specifications

- Up to 12 contacts in less than 10 mm diameter
- Unique combined power and signal configuration
- IP68 mated & unmated
- Transfer data up to 10Gb/s
- Robust locking systems: push-pull, screw and quick-release
- Also available pre-cabled with straight or angled bend relief overmold
- 5,000 mating cycles

The Fischer MiniMax™ Series connectors and cable assembly solutions allow design engineers to save up to 45% space and to reduce weight by up to 75% compared to standard connectors with a similar contact size. By replacing multiple connectors with only one, they pack **more functionality** into smaller devices, lowering the total cost of ownership.

These connectors are also **rugged**, with IP68 sealing (2m/24h), both mated and unmated, an unbreakable keying system, and over-molded cable assemblies. Available in three locking systems (push-pull, screw and quick-release), they are easy to connect and disconnect up to 5,000 times.

With its new smaller version, the Fischer MiniMax™ Series now comes in two **sizes**, 06 and 08, with receptacles of 10 mm and 12 mm footprint respectively. **Configurations** range from 4 to 24 contacts.

Showcased as world premiere at AUVSI's XPONENTIAL tradeshow

The MiniMax 06 connector will be showcased for the first time at XPONENTIAL, the tradeshow organized by the Association for Unmanned Vehicle Systems International (AUVSI) in New Orleans from 2 to 5 May 2016, at Fischer Connectors' booth no. 1308. **It will be commercially available this summer.**

* *Density factor = receptacle diameter divided by the number of contacts available in that receptacle size.*

More information:

- Website: <http://www.fischerconnectors.com/global/en/new-ultra-miniature-connector-minimax-06>
- White paper "Miniaturization": <http://www.fischerconnectors.com/global/en/military-connectors-miniaturization-white-paper>
- How to contact us: <http://www.fischerconnectors.com/global/en/contact-us>

About Fischer Connectors: *Fischer Connectors has been designing, manufacturing and distributing high performance connectors and cable assembly solutions for more than 60 years. Known for their reliability, precision and resistance to demanding and harsh environments, Fischer Connectors' products are commonly used in fields requiring faultless quality, such as medical equipment, industrial instrumentation, measuring and testing devices, broadcast, telecommunication and military forces worldwide. Primary design and manufacturing facilities are located in Saint-Prex, Switzerland. Cable assembly facilities are based in Europe, North America and Asia Pacific, with subsidiaries and distributors located worldwide.*



The Fischer MiniMax™ Series: high density, signal & power, miniaturization.