Advanced Contact Technology

For immediate publication

Press Release
Allschwil, Switzerland, February 2nd, 2016

Multi-Contact's CombiTac modular system equipped for 10 Gbit Ethernet

Swiss connector specialists Multi-Contact has added a 10 Gbit module to the CombiTac modular connector system for $CAT6_A$ high speed Ethernet communication.

CombiTac combines power up to 300A, signal, thermocouple, coaxial, fiber optic, pneumatic and hydraulic connections in a single modular connector system, and is the expert choice in applications that require all-in-one space saving modular connectors that guarantee long life performance under the most demanding mechanical and environmental conditions.

The addition of the 10 Gbit module meets high speed $CAT6_A$ Ethernet needs in industrial applications such as data communication from machines/equipment to manufacturing control networks, machine-to-machine communications (M2M), and real time data sharing between facilities.

As part of the CombiTac product family, the 10 Gbit module not only achieves 100'000 mating cycles, it guarantees stable high quality performance from day one and beyond it's expected lifecycle. The 10 Gbit module meets railway standard requirements of EN 45545-1, is vibrations resistant according to IEC 60512-6-4, and meets UL 1977 requirements up to 30 Vrms.

CombiTac Product Manager Martin Yiapanas explains: "For us at Multi-Contact, adding a 10 Gbit module to the CombiTac portfolio is not just about meeting high speed $CAT6_A$ Ethernet requirements in automation or process control environments.
We need to be aware that we are dealing with harsh environments in industries where equipment is becoming increasingly powerful, smarter and modular, and where more robust and reliable connector systems are needed to meet the needs for better process time efficiency. Our 10 Gbit module, along with the rest of the CombiTac products, is all about constant and stable long life performance, even under the most demanding mechanical and environmental conditions."

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As a solution provider, we offer our customers worldwide A-Z assistance in designing their own 100% customized CombiTac connector, adapted to their exact technical and dimensional needs, and supplied with or without cable pre-assembly.
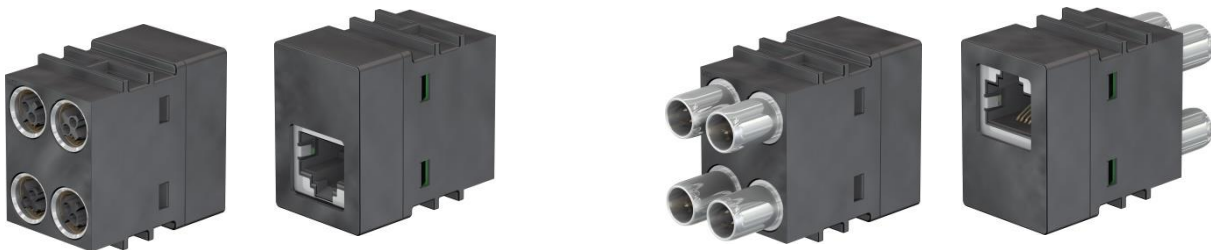
Fig. 1 | The new CombiTac 10-Gbit module (CT-10GBIT-RJ45) is designed for Ethernet communication and complies with all CAT6$_A$ (10 Gbit/s) requirements.

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