

Yamaichi Electronics expands the Push-Pull Connector Series with a Waterproof Version

Munich, November 2017 - Yamaichi Electronics expands the push-pull connector series Y-Circ® P with the IP68-compliant waterproof T-series as a new part of the Y-Circ P circular push-pull connector family.

The new waterproof T-series is based on the technology of the Y-Circ P product family from Yamaichi Electronics, which can be connected to existing circular push-pull connectors on the market. With the miniaturization in the development focus it offers many new advantages. The T-series also features a one-piece collet for error-free installation and an optimised mechanism for reliable locking. This provides for higher mating cycles and, thanks to the special pin assignment for high-speed data transmission, the interference-free transmission of signals up to 10 Gbps.

Miniaturisation reduces cost, space requirements and installation effort

The new jack is housed in the same reduced installation space as the basic compact jack of the existing B-series, together with contact carrier and housing coding. The IP68 sealing not only has similar dimensions, but it also integrates the entire locking mechanism and ensures the reuse of the B-series insulators.

One-piece collet allows for error-free installation

With the optimised cable sealing, the installation of the new waterproof connector is more robust, faster and less risky. Compared with the commercially available connectors (with up to three parts) the sealing of the cable has been reduced to one

single sealing collet. This simplifies the installation and minimizes the risk of damage to the sealing.

Optimised mechanical system ensures reliable locking

The new design of the T-series also includes the optimised locking system. The standard three or more ratchet hooks which provide support during installation have been reduced to two pieces and significantly extended, thanks to which high mating cycles can be achieved. The longer hooks provide the same coding as with the B-series.

Production in Germany

To ensure fast and flexible production the new waterproof Y-Circ P T-series is also produced by Yamaichi Electronics in Germany. In-house production provides high production depth and extensive experience in connector production and cable assembly. The Product Configurator (*configurator.yamaichi.de*) provides the first introduction for the prospective customers.

Availability, delivery versions

For the time being, the versions of the T-series in size 09 are immediately available as cable connectors and cable sockets and as PCB sockets in various versions. Other sizes are in preparation.

Matthias Schuster, Product Manager for the complete Y-Circ P product family at Yamaichi Electronics, describes the Y-Circ P T-series: "The Waterproof T-series of the push-pull connector Y-Circ P is the next innovation step that opens up entirely new areas of application. Data rates of up to 10 Gbps offer sufficient reserves for future data transmission tasks in industrial and data networking applications."

About Yamaichi Electronics

Yamaichi Electronics is a market leader for Test & Burn-In sockets, connectors and connection systems. Their reliability and functional dependability are absolutely essential for the success of the overall project. Yamaichi Electronics has quickly established itself on the world as a manufacturer of high-quality, reliable components for demanding applications in various markets and applications such as: semiconductor, industrial automation, automotive, data networking, measurement & testing, medical, mobile computing, embedded computing, and others.

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