

The new Ethernet-Shuttle provides more performance in data communication

- Leoni AS-Interface cables comply with the new ASi-5 standard
- The ASi-5 cables are prepared for tomorrow's IIoT requirements
- Leoni presents different AS-Interface versions at the SPS trade fair

Friesoythe, 25. November 2019 – Data communication is getting more and more important in the digitalizing world. Smooth data and power transmission is becoming even more essential. Leoni meets this demand with the latest generation of feeder buses for fieldbus Ethernet in accordance with the ASi-5 standards.

Two cores, but only one cable - the Actuator-Sensor-Interface System transmits data and energy concurrently and connects actuators and sensors of the lower field level with the higher Ethernet-based level. At the same time, the profiled design of the ASi-5 enables simple and flexible installation without reverse polarity. The freely selectable topology simplifies the expansion of the systems with full downward compatibility. In addition, the transmission quality can be checked at any time by the integrated IO-Link diagnostic channel, which transmits diagnostic data in parallel with the process data. The latest Leoni AS-Interface cables offer more power and are already up to future IIoT requirements by now.


The new ASi-5 standard

According to the new ASi-5 standards, the feeder bus can be used by up to 96 attendees at the same time and thus offers 96 x 16 safe inputs and outputs. Besides, a data width of 16 bits is transmitted at four times shorter cycle times of 1.2 ms. The ASi-5 does not require a plug connection for data and power transmission, as the piercing technology allows components to be exchanged or moved easily, without extensive planning and calculations. This makes the installation flexible and reduces engineering costs.

Leoni as manufacturer of AS-Interface cables

Leoni with its Business Unit Automation & Drives is a member of the AS-International Association e.V. and offers AS-Interface cables in accordance with customer requirements. It can be chosen between the versions 2 x 1.5 mm² and 2 x 2.5 mm² and different jacket materials. At the SPS smart production solutions 2019 trade fair, the company will be presenting the products in Hall 2, Booth 230.

The available materials include FRNC, EPDM, TPU, TPE and PVC, depending on the application and individual requirements. Leoni produces the ASi-5 cables with the highest quality requirements for automation systems and offers with this product a decisive tool for the data communication of the future.

 *Related illustration material can be downloaded next to this release at <https://www.leoni.com/de/presse/mitteilungen/details/the-new-ethernet-shuttle-provides-more-performance-in-data-communication/>*

About the Leoni Group

Leoni is a global provider of products, solutions and services for energy and data management in the automotive sector and other industries. The value chain encompasses wires, optical fibers, standardised cables, special cables and assembled systems as well as intelligent products and smart services. As an innovation partner and solutions provider, Leoni supports its customers with pronounced development and systems expertise. The market-listed group of companies employs about 93,000 people in 32 countries and generated consolidated sales of EUR 5.1 billion in 2018.

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