

Single Pair Ethernet (SPE) – Rosenberger provides connectivity solutions for industrial applications

One wire pair – an infinite number of applications

Single Pair Ethernet (SPE) sets new standards in intelligent communication architecture. Using power over data line (PoDL), parallel high-performance data and power transmission is supported via just one Ethernet wire pair.

Driven by automotive electronics

The development of Single Pair Ethernet systems has been primarily powered in the automotive industries. Future technologies, e.g. autonomous driving, require connectivity solutions which ensure high-reliable transmission of huge data rates in tightest spaces.

Rosenberger – as a leading manufacturer of connectivity systems for automotive electronics – has successfully developed and introduced to the market the connector series MTD® and H-MTD®, space-saving, lightweight and robust differential connector systems satisfying today's mechanical and environmental requirements.

New connector series for industrial applications

Rosenberger has expanded the product range for Ethernet applications by the following new connector series: RoSPE-HMTD, based on Rosenberger automotive connectors and optimized with housings for industrial applications, and RoSPE-Industrial, a new interface developed in cooperation with leading manufacturers.

Standardization – the key to success

Rosenberger has joined the Single Pair Ethernet System Alliance, a cross-industry and cross-application technology partnership between renowned manufacturers from the connector, industrial automation, technology, and cabling industries pursuing the goal of driving the development of an international standard: Because interoperability and the long-term success of SPE can only be ensured with manufacturer-independent standards. The following standardization variants are currently being jointly developed: IEC 63171-2 for IP20 and IEC 63171-5 for IP67.

Further information: www.rosenberger.com/spe

Contact:

Mr. Thomas Keller

Product Manager Industries

Phone +49 8684 18-1952

Mail: thomas.keller@rosenberger.com

About Rosenberger

Rosenberger Hochfrequenztechnik GmbH & Co. KG was founded in 1958.

Rosenberger, a family owned company, ranks today among the world-wide leading manufacturers of standard and customer-specific connectivity solutions in high frequency, high voltage and fibre optic technology.

The product range covers RF coaxial connectors, RF test & measurement products, RF connectors for automotive electronics, medical and industrial electronics as well as fibre optic products, and cable assemblies. Renowned companies in high-tech industries, e.g. telecommunication, data systems, medical electronics, industrial electronics, test & measurement, aerospace engineering or automotive electronics trust the precision and quality of Rosenberger products.

Rosenberger is certified to IATF 16949:2016, DIN EN 9100, ISO 9001 and ISO 14001.

More than 2,300 people are employed today at the Rosenberger headquarters in Fridolfing/Tittmoning (Upper Bavaria, Germany). Worldwide, the Rosenberger group operates manufacturing and assembly locations as well as Rosenberger sales offices in Europe, Asia and North and South America where – in total – approx. 11,300 employees develop, produce and sell our products.

Contact:

Fritz Herrmann

Marketing Services

Phone +49 (0)8684 18-1263

e-mail: fritz.herrmann@rosenberger.com