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www.rosenberger.com

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Connectivity Solutions for Autonomous Flying

For the very fast growing market of autonomous UAV-systems, e.g. drones (UAV = Unmanned Aerial Vehicles), Rosenberger has developed a variety of best-suitable connectivity solutions and systems:



Connectors for transmission of high data rates up to 20 Gbps for positioning accuracy when detecting and inspecting objects in GPS or LiDAR (Light Detection and Ranging) systems, or systems for interruption- or error-free signal transmission between sender and receiver. Reliable connections for real-time data transmission, e.g. camera applications, or sensor systems for continuous monitoring altitude and direction for reliable flight safety and stability. Waterproof, temperature-resistant and magnetic self-mating connectors for charging applications are also available.

The product range for drone applications covers Rosenberger connector series that have been well-proved and established in the automotive industry: FAKRA, Mini-SMP, H-MTD®, RosenbergerHSD®, HFM®, SMA and RoPD®. The connectors are characterized by very small dimensions, light weight, high reliability and a high number of mating cycles, and can be applied for data signal transmission rates up to 20 Gbps.

For information in detail and examples of applications please visit the Microsite Autonomous Mobile Robots (www.rosenberger.com/mobile-robots).

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.

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