



DEHN at Hannover Messe 2016 - DEHN protects.® Integrated Industry

Visit DEHN at HANNOVER MESSE (hall 13, booth E85) from April 25 to 29, 2016. Meet our experts and inform yourself about our products, protection solutions, seminars and test services in our modern laboratories. The focus of this year's HANNOVER MESSE 2016 is on connected industry. Under the motto "DEHN protects.® Integrated Industry", DEHN will present technologies for surge protection, lightning protection and safety equipment for factories and power supply systems. The visitors will learn how to protect their production facilities and which products and solutions are required for this purpose. In this year's partner country USA, DEHN has already established a subsidiary years ago which develops products and offers customised solutions.

"At HANNOVER MESSE 2016, DEHN will present products and protection solutions for the Industrial Internet of Things. This is an important topic not only to ensure system availability since technology also requires physical security. Our products and protection solutions are ideally suited for this purpose. Visit also the digital factory in hall 7, booth C40 and have a look at the study on the use of sensors in our innovative DEHNcare arc-fault-protected suit as a showcase for the Industrial Internet of the Things", says Dr. Philipp Dehn, managing partner of the family-owned company.

Highlights at Hannover Messe 2016

The path to the Industrial Internet of the Things requires integrated safety. Lightning and surge protection, earthing and safety equipment are important elements and DEHN offers an extensive product and solution portfolio.

DEHNvario stands for a new generation of devices which combines the protection of various signals of power supply and information technology systems. The new DEHNvario series is unique on the market. The variable enclosure offers flexibility in terms of space and connection technology, thus allowing customer-specific protection solutions to be implemented. **DEHNvario 3in1** protects three interfaces at the same time – the power supply, data interface and video signal – and is ideally suited for protecting analogue camera systems. This complete solution reduces the risk of incorrect selection and allows fast and easy installation of the surge protective device without tools thanks to its plug-in technology. The high performance ensures safe operation of the systems even in case of a lightning strike.

Thanks to their flexible connection options and compact design, **DEHNCord 3P LTG** and **DEHNCord IP65** can be installed wherever space is restricted. These new surge protective devices now allow two active cores to be protected at the same time – A supply line and an additional control line. DEHNCord 3P LTG is ideally suited for fuse boxes with little available space (e.g. EK 480 from Langmatz). The even more flexible DEHNCord IP65 can be easily and quickly used for installations in moist atmospheres (e.g. in the mast base of modern LED lights) and for retrofitting in electrical shutter and gate drives.

DEHNcheck PHE4 offers safety right up to the test prod. It can be used to verify absence of voltage on all poles in electrical installations from 1 to 420 kV. PHE4 has a test function which allows the required functional test to be performed before and after using the voltage detector. All live parts

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are tested – from the indicator right up to the test prod. The control panel is large enough to safely and easily operate the device with protective gloves. After the functional test, the voltage detector remains operational for 4 minutes. Both a visual indication and an acoustic signal indicate whether voltage is present. PHE4 can be used in indoor and outdoor locations and in wet weather conditions. If a larger safety distance is required to ensure safe operation or if the length is not sufficient to reach the point of contact, an extension can be quickly and easily attached via the plug-in coupling system from DEHN.

The **DEHNcheck camera** brings the invisible to light and allows safe inspections and easy handling via a radio link to smartphones or tablets. The portable inspection camera can be used for regular visual inspections and for documenting the state of electrical installations up to 36 kV / 15 - 60 Hz. The system is easy and safe to use and can be easily operated via WiFi. Especially practical: The camera can be controlled via an app on smartphones or tablets.

DEHNshort + fibre optic sensor

DEHNshort is an arc fault protection system for low-voltage installations consisting of a detection system and a short-circuiting unit. The detection system, which can be integrated in the switchgear cabinet door, and the short-circuiting unit take up little space. Consequently, DEHNshort provides a high degree of protection for installations in minimum space. It allows fast and safe disconnection of installations in case of an arc fault, thus preventing long downtime and the resulting follow-up costs. DEHNshort detects an arc fault as it develops and quenches it in a split second so that its effects are limited to a safe level.



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The market leader DEHN, a globally active family-owned electrotechnical company with about 1,700 employees worldwide, offers innovative products and solutions as well as comprehensive services in the field of **surge protection, lightning protection and safety equipment**. DEHN focuses on the protection of system and building technology, the transportation, telecommunication and process sector, photovoltaic systems, wind turbines, etc. The company's continuous growth is based on more than 100 years of tradition and experience as well as highest quality standards and consistent customer and market orientation throughout the world. DEHN protects.

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