



DEHN will exhibit its products at Hannover Messe 2015 / hall 13, booth C80

DEHN at Hannover Messe 2015

Individual lightning and surge protection solutions

Under the motto “DEHN protects”, DEHN will present innovative products and numerous practical solutions that allow to increase the availability of power supply and information technology systems. Failure of production facilities resulting from lightning effects and surges can threaten the existence of companies. Therefore, protection measures are required to ensure smooth operation. Visit DEHN at booth C80 in hall 13 and find out about the latest state of the art in the fields of surge protection, lightning protection / earthing and safety equipment. DEHN present its broad portfolio of protection systems based on practical applications for different industries. This year’s partner country also plays a key role: DEHN have contact persons from India for Indian visitors.

At this year’s Hannover Messe 2015, the international expert for surge protection, lightning protection and safety equipment will showcase industry-specific applications for the renewable energy, telecommunication, mobile communication, process and security sector. At booth C80, hall 13, the industry expert will effectively present the company’s motto “DEHN protects”. The protection of power supply systems in different industries is a key topic. With its *Red/Line* surge protective devices, DEHN offers ideal products for all industries. The coordinated type 1 DEHNbloc Maxi 1 CI 440 FM and DEHNbloc Maxi 1 CI 760 FM surge protective devices, for example, are specifically designed for higher system voltages. This ensures efficient protection against direct and indirect lightning currents in many industrial applications. These devices require up to 60 % less space than a conventional solution with external backup fuse. In addition, the user does not have to care about the correct dimensioning of the arrester backup fuse since it is already integrated in the device and thus adapted to the performance parameters of

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the surge protection components of the type 1 SPD. The new surge protection devices DEHNbloc Maxi 1 CI 440 FM and DEHNbloc Maxi 1 CI 760 FM will ideally complement the protection devices with integrated fuse of DEHN, which are already successfully placed on the market for several years.

VCSD - Voltage-controlled short-circuiting device from DEHN

The VCSD voltage-controlled short-circuiting device from the surge protection and lightning protection expert DEHN also sets new standards. It is an intelligent short-circuit switch which is controlled by overvoltage and limits transient, temporary and long-duration overvoltage. It is capable of discharging all interference voltages except direct currents without negatively affecting the d.c. potential of cathodic protection systems. The device is ideally suited for pipelines which are interfered by lightning strikes, electric railways or high-voltage lines. The VCSD limits overvoltages and their effects in its immediate vicinity to a safe level.

Safety solution for voice alarm systems

DEHNvario is a new product platform of compact combined arresters. The DEHNvario DVR 2 BY S 150 FM type is specifically designed for voice alarm systems. It protects one pair and allows direct or indirect shield earthing. Its plug-in design ensures easy and fast installation of the arrester without tools. If an arrester has to be replaced, the integrated terminal blocks can be released and then removed from the enclosure.

The high performance of the arrester (discharge capacity up to 2.5 kA (10/350 µs) per core) ensures safe operation of sound and evacuation systems, even in case of lightning strikes.

Protection in case of arc faults

In the field of safety equipment, DEHN will showcase both its active arc fault protection system DEHNshort for low-voltage switchgear assembly and its arc-fault-tested personal

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protective equipment DEHNcare which protects persons from the thermal effects of arc faults while working on electrical installations. DEHNshort is an arc fault protection system for low-voltage installations consisting of a detection system and a short-circuiter unit. The detection system can be integrated in the switchgear cabinet door and the short-circuiting unit takes up minimal space. DEHNshort provides a high degree of protection for your installations at minimum space requirements. It allows fast and reliable disconnection of installations in case of an arc fault. Long downtime and the associated follow-up costs can thus be prevented. DEHNshort detects arc faults as soon as they develop and disconnects them in a split second so that their effects are reduced to a safe level.



Picture: DEHN present its broad portfolio of protection systems based on practical applications for different industries.

The market leader DEHN, a globally active family-owned electrotechnical company with about 1,600 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.

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