NEW DEHNguard® SE DC
Type 2 Surge arrester for DC applications

The new modular range of DEHNguard® SE DC type 2 surge arresters protect direct current applications from the effects of lightning strikes and surges:

- Safety lighting systems and emergency power supplies
- Data centres
- Direct current drives in railway technology
- Charging stations for electric vehicles
- Cell sites

The DEHNguard® SE DC surge arrester can be used without additional backup fuse for direct currents up to 300 A. The mechanical operating state / fault indication and the optional remote signalling contact complete the functionality of the device with a modern design of 1.5 modules.

DEHNguard® SE DC
- Powerful direct current switching device DCD
- Versions from 60 V d.c. to 900 V d.c.
- Single-pole enclosure with 1.5 modules
- Can be used without additional backup fuse for direct currents up to 300 A

DEHNguard® SE H LI wins the GIT Security Award 2015

The GIT Security award is a readers' choice award which is awarded every year by the technical magazine GIT SICHERHEIT, MANAGEMENT GIT SECURITY and messtec drivers Automation.

The winners are chosen by more than 70,000 readers of the magazines. This year, DEHNguard® SE H LI won the GIT Security award 2015 in category A (Safe Automation). The award ceremony took place on 25th November 2014 at the SPS IPC Drives trade fair in Nuremberg, Germany.

This once again underlines our innovative strength in the field of surge protection. The lifetime indication feature of the arrester is an intelligent early warning system which informs the user of an arrester failure at an early stage. In conjunction with a floating remote signalling changeover contact, the three-step visual indicator <green – yellow – red> always indicates the status of the surge protective device. If there is a risk that the varistor structure is unprotected! The arrester is fully operational until the red indicator flag appears. Thanks to this feature and a discharge capacity up to 65 kA (8/20 µs), the type 2 arrester meets the increasing availability requirements of electrical systems in industrial and commercial environments.

Please click here for information available on YouTube

For more product information please click here
The new 200 kA clamps from DEHN meet high requirements

According to the IEC 62561-x standard series, connection components must meet certain mechanical and electrical requirements. In tests according to IEC 62561-1, they are subjected to ageing and an electrical test with three lightning current impulses of 10/350 μs waveform each*. Depending on the lightning current carrying capability, a distinction is made between:

- Class N: 50 kA (normal duty)
- Class H: 100 kA (high duty)

Connection components tested according to this standard can be used for class III/VI lightning protection systems and if the lightning current is distributed in a meshed lightning protection system.

In case of class I/II lightning protection systems, the lightning current is poorly distributed or not distributed at all if air-termination rods are connected to existing mesh systems. If an air-termination rod is connected to a mesh/roof parapet by means of a single conductor, 100% of the lightning current will flow from the air-termination rod via the connection components. The case is similar for HVI® Conductors or HVI® power Conductors without current distribution used for class I/II lightning protection systems. When conducting the lightning current from the high-voltage-resistant, insulated down conductor to the existing lightning protection system, the clamps/connectors are exposed to 100% of the lightning current. This would be 150 kA in case of a class II lightning protection system and 200 kA in case of a class I lightning protection system.

DEHN offers connection components with a lightning current carrying capability of 200 kA (10/350 μs) based on the IEC 62561-1 standard*.

The “200 kA” imprint is characteristic of the new components.

The 200 kA components are fitted with a spring washer for use in Ex zone 2/22**. The manufacturer’s test reports and installation instructions for the individual components are available at [www.dehn.co.uk](http://www.dehn.co.uk)

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* IEC 62561-1 Lightning Protection System Components (LPSC) - Part 1: Requirements for connection components
** DIN EN 62305-3 Bbl2 (VDE 0185-305-3 Bbl 2):2012-10 Protection against lightning Part 3: Physical damage to structures and life hazard Supplement 2: Additional information for special structures

For more information please click here
Product update

929026 Now tested with D1 Lightning impulse current (10/350 µs) per line (I_{imp}) of 1kA.

Popular Surge protective device for analogue or system telephones in accordance with British Telecom requirements. Plug-in terminals allow easy installation. Energy-coordinated protective circuit for all pairs, no leakage currents to earth.

The surface mounted surge arrester is ideally suited for protection of incoming lines and telecommunications equipment with a BT style plug.

DEHN seminar for ECA at Staythorpe C Power Station

On Thursday 22nd January 2015 DEHN UK presented a surge protection seminar to 15 members of the East Midlands branch of ECA. The branch meeting and seminar was held at Staythorpe C power Station.

Staythorpe C Power Station is a 1,735 MWe gas-fired power station between Southwell and Newark-on-Trent in Nottinghamshire, between the River Trent and Nottingham to Lincoln Line. The station was handed over to the owner RWE npower from Alstom Power with full commercial operation being achieved in December 2010. The official opening ceremony attended by Charles Hendry, Minister of State took place on 9 May 2011. Please click here for more information about Staythorpe C Power Station

The seminar covered the risk assessment aspects of BS7671 and BSEN 62305 all the ECA members felt that the session was informative and useful, helping to debunk some of the common myths surrounding surge protection and explaining the type of protection devices available.

Further seminars available throughout the country and can be arranged via either the local ECA branch secretary or by contacting DEHN UK on 01484 859111 or by clicking here for more information.

Please click here for more information

*Information taken from Wikipedia
Goodbye Mike Forsey

On the 25th February 2015 Mike Forsey said goodbye to DEHN UK and retired after 8 years of valued service.

Mike was the Technical Manager for DEHN UK until August 2013 where he became the part time Senior Applications Consultant and Adrian Horsley took over as the Technical Manager.

Mike who was involved with lots of major projects within Lightning and Surge Protection will be kindly remembered not just by DEHN but also by many customers who he helped over the years.

The DEHN team gave a fond farewell to Mike and presented him with a certificate and decanter as a goodbye gift.

We would like to wish Mike all the best in his retirement and any future projects he may be involved with.

From left to right: Mike Forsey, Caroline Moran, Adrian Horsley, Claire Allsop, Lewis Knowler, Florian Uebelhoer (German trainee) Tony Male, Clive Holberry, Christian Paulus, Sean Passant, Robin Earl, Dave Hughes, Phil Carey.