

Protect equipment and productivity levels with flexible and space saving DEHNCord during SA's lightning season

The South African summer season brings with it widespread possibilities of lightning strikes. The massive voltage fluctuations caused by lightning can damage sensitive equipment, as well as cause data loss on computers, servers and storage devices. To combat this, the DEHNCord surge arrester from lightning and surge protection expert, DEHN Africa, offers reliable protection from surges caused by lightning interference, and is flexible and space-saving.

Hano Oelofse, DEHN Africa technical director, notes that Type 2 surge arrestors are surge protective devices designed to discharge the currents generated by indirect lightning strikes, and which cause induced or conducted over-voltages on the power distribution network. They are installed in the main distribution switchboard.

He says, "The DEHNCord Type 2 surge arrester, available in single-pole, two-pole and three-pole versions, can be fitted in installation systems such as the terminal compartments of end loads, cable ducts or flush-mounted systems. The compact design of DEHNCord allows it to be installed wherever the performance of a standard Type 3 surge protective device for terminal equipment reaches its limits. The lightning protection offered by DEHNCord helps to offset the possibility of lost productivity and costs for the repair or replacement of equipment after an unprotected lightning strike."

DEHNCord therefore ensures surge protection where space is restricted. It can also be used at the transition from lightning protection zone (LPZ) 0B to 1 or higher. DEHNCord meets the requirements of EN / IEC 61643-11. It has a short-circuit current withstand capability I_{sc} of 25 kArms in case of mains-side overcurrent protection and a total discharge current of 20 kA (8/20 μ s).

DEHNCord features include the following:

- Single-pole, two-pole or three-pole surge protective device with monitoring system and disconnecter;
- Visual fault indication;
- Types with disconnection of the load circuit in the event of a fault and protection of the control phase;
- Compact design also for outdoor use; and
- Can be fitted in junction boxes, flush-mounted systems, cable ducts and flush-type boxes.

"Despite the compact design, the device houses a visual mechanical operating state / fault indication, as well as a disconnecter which disconnects the connected load as soon as it is tripped (optional). DEHNCord can be adapted to existing installation systems. It ensures reliable protection of terminal equipment at minimum expense, takes up little space and saves installation time. When space is restricted in the cable duct, DEHNCord is the ideal solution thanks to its flexible terminals," Oelofse concludes.

Market leader DEHN, a globally active **family-owned electrotechnical company** with more than 1700 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.