DEHNshort

Detect and quench arc faults.

With the DEHNshort internal arc fault mitigation system (IAMS), low-voltage switchgear assemblies acc. IEC 61439-2 and persons in the immediate vicinity of switchgear assembly are protected against the effects of an arc fault.

Your benefits at a glance:

Reducing. Thanks to the very quick quenching time in under 5 milliseconds, the expected energy E_{arc} is reduced to a minimum.

Safe. The short-circuited part of the assembly is isolated from the mains by all feeding circuit breakers.

Foresighted. After fault correction, cleaning and replacement of the quenching devices, the part of the assembly can be reconnected.

Modular. The system can be adapted to the existing conditions of the respective assembly.

A VdS-certified system that engages.

Light sensor, current sensor

- Sensors detect the typical physical effects of an electric arc fault.

Detection device

- When light and overcurrent are detected simultaneously, electronic detection devices activate the quenching devices.

Quenching device

- Short-circuit is generated in parallel with the arc fault.
- Energy withdrawn in just a few milliseconds

Everything you need for suitable protection against arc faults.

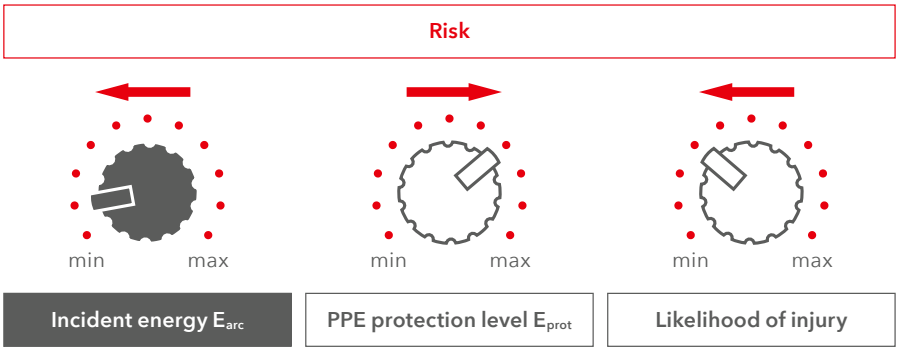
Point sensor

Fibre-optic sensor

Detection device

Quenching device

Maximum possible system availability and employee protection.



The DEHNshort detects and quenches an arc fault in the moment it arises. The expected value of the system E_{arc} is reduced to a minimum.

In addition to the protection of persons, what role does system availability play in your company?

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Learn more about DEHNshort:
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