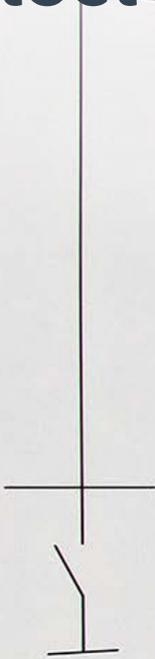


DEHNshort

# 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:

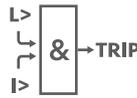
**Reducing.** Thanks to the very quick quenching time in under 5 milliseconds, the expected energy  $E_{arc}$  is reduced to a minimum.

**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- Energy withdrawn in just a few milliseconds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

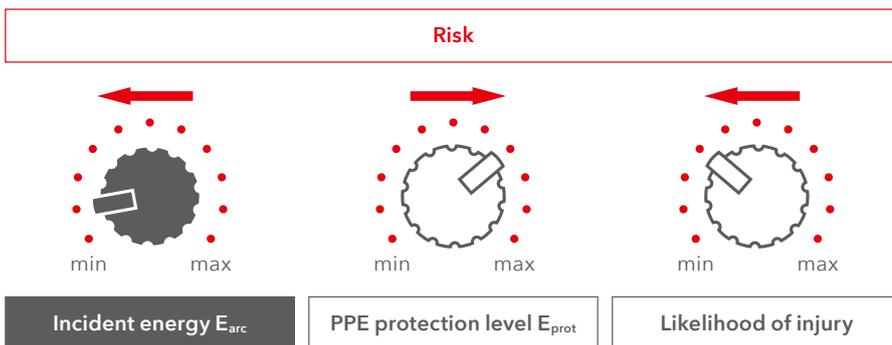


Detection device



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?

### Technical Support

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