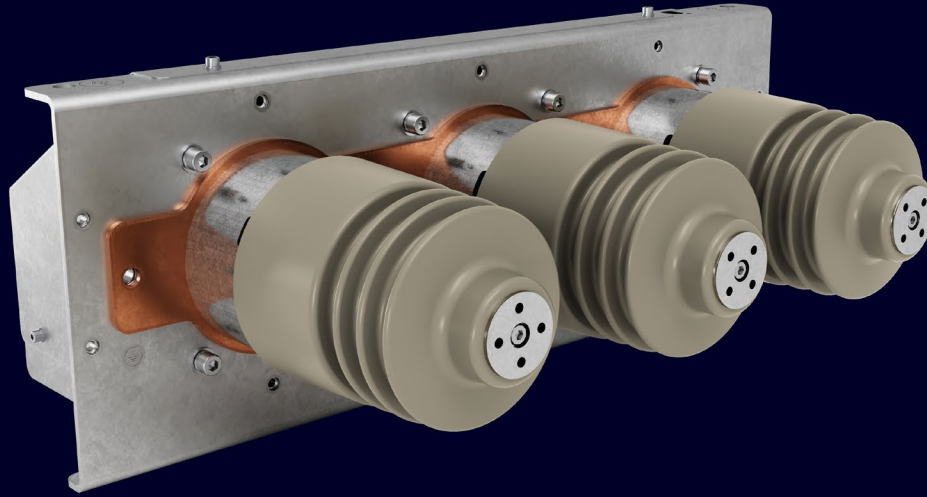




PROTECTION BEYOND THE STANDARDS

Arc protection system

SIQuench

Enhancing arc fault protection

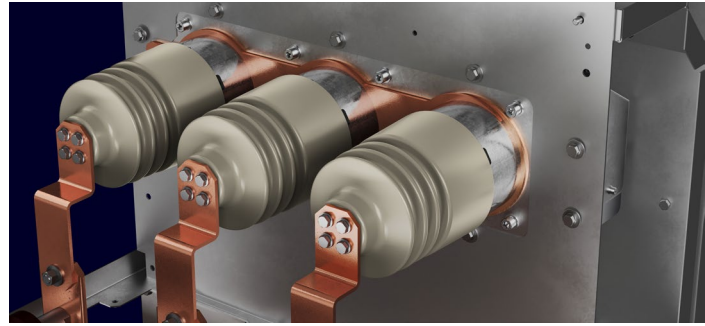
While internal arc faults in properly designed and operated switchgear are rare, they can occur and often stem from human error or environmental factors. The consequences extend beyond safety risks, encompassing significant equipment damage, power supply disruptions, and substantial financial losses. To mitigate these catastrophic effects, a proactive approach is crucial.

[siemens.com/siquench](https://www.siemens.com/siquench)

SIEMENS

SIQuench: Beyond the standards

Siemens offers an advanced solution, SIQuench, an active arc effect mitigating system designed to quench internal arcs in sub-cycle times. This system dramatically reduces pressure and prevents the thermal, contamination, and toxicity effects that typically damage equipment and its surroundings. By minimizing downtime, SIQuench significantly reduces the economic impact of an internal arc fault.



Maximum safety, minimal disruption

Extinguishes internal arc faults in less than 5 ms, helping protect people, equipment, and business continuity.

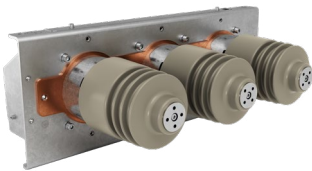
Lower operating costs

Reusable up to 5 times, reducing replacement needs and supporting significant OPEX savings.

Maintenance-free reliability

Self-monitoring design with 20 years of maintenance-free operation and up to 30 no-load switching operations.

Four solutions. One mission: Enhanced operational reliability



SIQuench Core

Tailor-made arc mitigation for OEMs, panel builders, and contractors. Type-tested, manufacturer-independent, and adaptable to virtually any switchgear design.



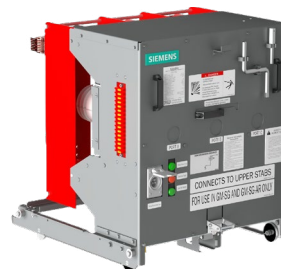
SIQuench QuickFit

The smart retrofit solution for existing installations. Fast integration, maximum flexibility, and low implementation costs, regardless of switchgear manufacturer.



SIQuench integrated in NXAIR

A fully integrated arc mitigation solution for NXAIR switchgear, combining enhanced safety with seamless system integration and proven type-tested performance.



SIQuench integrated in GM-SG

A fully integrated arc mitigation solution for GM-SG switchgear, enhancing safety in both arc-resistant and non-arc-resistant installations.

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