MITIGATE ARC-FLASH HAZARDS WITH SEL SOLUTIONS

Protect personnel and equipment to increase safety and ensure power system availability.

Improve Safety

Arc-flash detection decreases fault-clearing time, which reduces arc-flash hazards, improves safety, and lowers personal protective equipment (PPE) requirements.

Reduce Arc-Flash Hazard in Any Switchgear

SEL's cost-effective arc-flash mitigation technology reduces arc-flash-related equipment damage in both standard and arc-resistant switchgear.

Maximize Power System Uptime

Arc-flash mitigation minimizes equipment damage during an arc-flash event. Returning affected equipment to service faster maximizes power system availability.

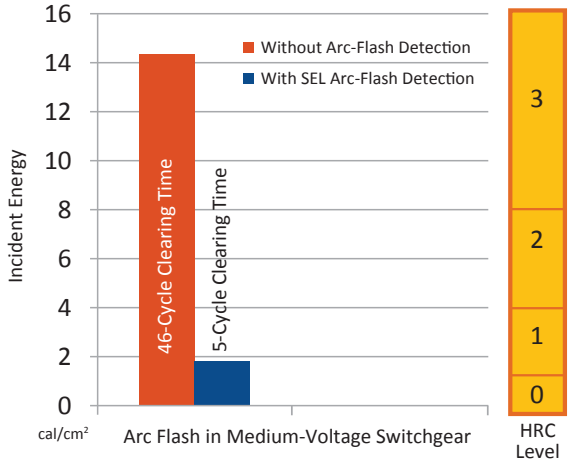
Simplify Procedures

Arc-flash detection is always enabled. An operator doesn't have to modify protective settings before and after performing live work to be protected from arc-flash events.

Maintain Selective Coordination

Arc-flash events trigger an immediate response while coordination is maintained with downstream protection for external faults.

Substantial reductions in arc-flash hazards and Hazard/Risk Category (HRC) levels are achievable with SEL's arc-flash detection and mitigation solutions.



SEL Arc-Flash Hazard Services

SEL engineers help you protect personnel, improve worker productivity, comply with regulations, and identify potential hazards. We use proven methods to calculate flash-protection boundaries, classify each area into proper HRC levels, and mitigate arc-flash hazards by:

- Designing the power system for safety
- Addressing OSHA regulations and the National Fire Protection Association Standard for Electrical Safety in the Workplace® (NFPA 70E)
- Identifying and quantifying potential arc-flash hazard areas
- Properly informing personnel with detailed warning labels

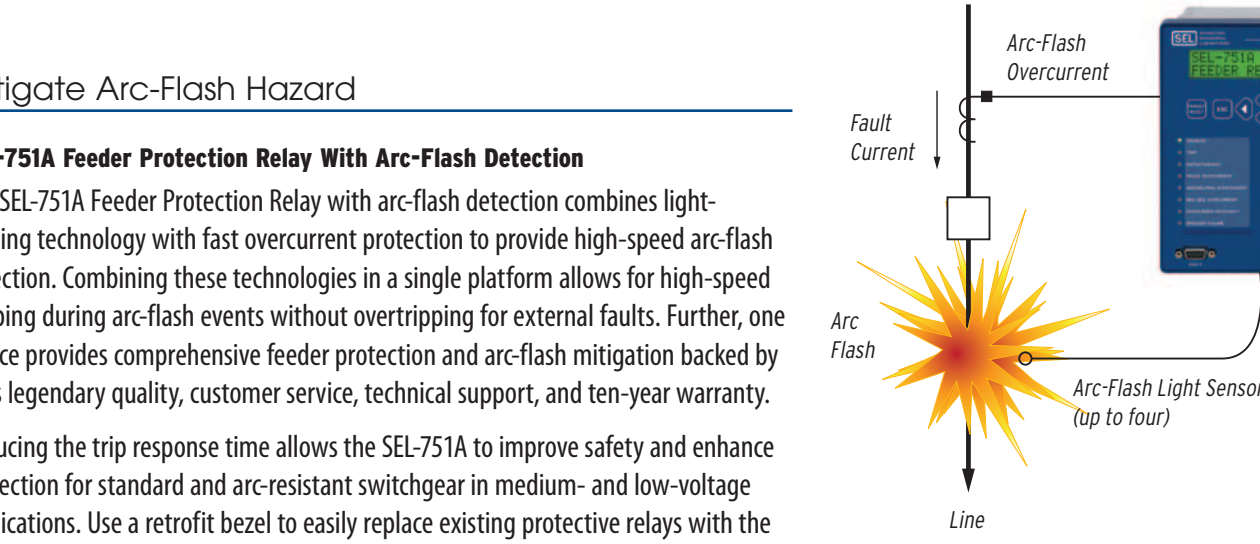
Mitigate Arc-Flash Hazard

SEL-751A Feeder Protection Relay With Arc-Flash Detection

The SEL-751A Feeder Protection Relay with arc-flash detection combines light-sensing technology with fast overcurrent protection to provide high-speed arc-flash detection. Combining these technologies in a single platform allows for high-speed tripping during arc-flash events without overtripping for external faults. Further, one device provides comprehensive feeder protection and arc-flash mitigation backed by SEL's legendary quality, customer service, technical support, and ten-year warranty.

Reducing the trip response time allows the SEL-751A to improve safety and enhance protection for standard and arc-resistant switchgear in medium- and low-voltage applications. Use a retrofit bezel to easily replace existing protective relays with the SEL-751A and mitigate arc-flash hazards in your facility.

The SEL-751A provides several methods to limit personnel from exposure to arc-flash hazards.

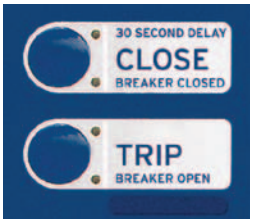


Overcurrent protection and arc-flash light sensing work together in the SEL-751A to mitigate false trips. High-speed tripping only occurs for an arc-flash event.

Trips in as fast as 2 ms.

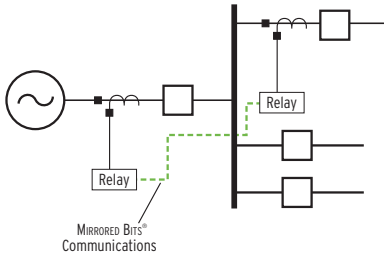
High-Speed Tripping

The SEL-751A reduces arc-flash hazards by reducing the total fault-clearing time.



Delayed Breaker Closing

Programmable pushbuttons delay breaker closing so operators have time to leave the area before the breaker closes.



Communications-Assisted Protection

SEL Mirrored Bits® communications enhances coordination and achieve faster clearing times.

Learn more about SEL arc-flash solutions at www.selinc.com/arc-flash.

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