

Arc Flash Relay



Improve worker safety and maximize equipment uptime with Eaton's Arc Flash Relay



EATON

Powering Business Worldwide

Eaton's Arc Flash Relay system helps improve worker safety and maximize electrical assembly uptime by quickly clearing arc flash events. Featuring factory-installed Arc Flash Relay modules and sensors, the system is designed to rapidly detect and clear even the most difficult forms of arc flash events in low-voltage (LV) and medium-voltage (MV) electrical assemblies. Arc faults are the most dangerous type of fault in LV and MV switchgear. Eaton's Arc Flash Relay system reduces the arc energy by clearing the current feeding the arc.

Introduction

Flexible options allow installers to choose between fiber optic loop cable that is installed in the field and can be labor intensive, or wired point sensors that are factory-installed, reducing labor time and cost as well as streamlining equipment lead times.

The system can measure both light and current to eliminate nuisance operation, and offers an innovative modular design that allows for simple integration into electrical assemblies, ideal for both new and retrofit installations. The system also helps address arc flash safety concerns outlined in National Fire Protection Agency (NFPA) standard 70E, which covers employee workplace electrical safety requirements.

Features and benefits

- An innovative module system allows for simple integration into electrical assemblies
- Sensitive light inputs detect low power phase to ground arc faults
- The relay's configurable setup offers optional system selectivity, opening the circuit breaker closest to the arc flash
- Flexible module options allow installers to choose between fiber optic loop cable and wired point sensors
- If the point sensor option is selected, the relay can be factory wired and tested, reducing time and labor costs

Eaton's Arc Flash Relay can play a key role in various applications when it comes to safety and efficiency



Oil and gas—including upstream; offshore; downstream; refining for gas, diesel, ethanol, biodiesel, liquefied or compressed natural gas; and petrochemical



Commercial or institutional infrastructure—including hospitals, healthcare facilities and universities



Industrial—including pulp and paper and pharmaceutical



Electric utilities—including coal and gas generation and distribution systems

Why Eaton?

As demand for uptime and productivity in oil and gas, utility, manufacturing and infrastructure increases, Eaton is helping customers by improving the reliability of critical systems and processes.

Eaton's Arc Flash Relay system helps keep equipment running and workers safe by quickly detecting and clearing arc flash events.

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