

Three-Channel Arc Flash Relay for Switchgear

This arc flash relay detects arc faults in electrical systems to protect equipment and personnel. It monitors parameters like current and voltage to quickly disconnect power before an electrical fire occurs.



ADDITIONAL IMAGES



Product Overview

Advanced Arc Flash Protection

The AFR-3S is a high-performance arc flash relay engineered for medium and high-voltage power distribution systems, including switchgear, transformers, and generators. Utilizing a dual-criteria detection principle—combining arc light detection with overcurrent sensing—it ensures rapid protection action and high reliability. This device is designed to minimize damage to critical electrical infrastructure by quickly isolating faults.

Technical Specifications

Max Switching Current

10 A AC Current	12 A DC Current
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Max Switching Voltage

277 Vac AC Voltage	300 Vdc DC Voltage
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Auxiliary Power Range	85-265 Vac/dc
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Protection Range (I _p)	0.06 ~ 10 I _n
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Input and Output

Configurable Binary Inputs

- CB ON
- CB OFF
- Block

Relay Outputs

6 x 5A @ 250V

Arc Detection Channels

3 channels

Communication and Connectivity

Supported Interfaces

IRIG-B, 485-1 A/B, 485-2 A/B, CT Input