

Energom-AMR-M ARC FLASH PROTECTION RELAY

SWITCHGERA PROTECTION RELAY



Introduction

Energom-AMR-M busbar ARC flash protection relay represents a cost-effective and highly efficient solution designed to mitigate arc-fault damage. Energom-AMR-M detects the emitted light from an arc flash and promptly triggers tripping relay in both low-voltage (LV) and medium-voltage (MV) electrical networks.

Equipped with up to 48 ultraviolet optical sensors, the relay operates on preset programs, ensuring optimal protection for the secure operation of bus circuits.

Terminal Definition

A-Pwr board	B-DO relay board	C-Arc sensor terminal-1	D-Arc sensor terminal-2	E-Arc sensor terminal-3	F-Arc sensor terminal-4	G-DO Comm board	H-Current sensor terminal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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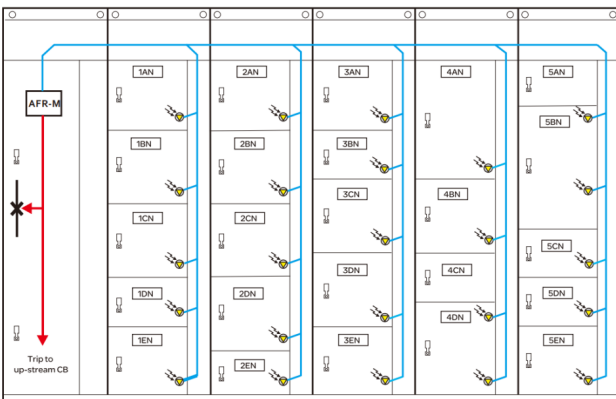
Main Features

- Arc light and current dual criterion.
- Total 4*3-phase current signal input.
- 16* passive DI point, indicates CB status.
- Single unit max 48pcs opt-sensor connected.
- HD LCD display to show integrated information.
- Independent trip act and alarm act arc flash relay.
- 9* trip contacts, free to configuration protect trip logic.
- Optional extra monitor functions by RS-485 connection.
- Panel mounting design with rugged aluminum housing.
- 1* ethernet port support IEC60870-5-103 communication.
- Less than 10 ms operation time from arc flash to arc relay trip.

Application

- Capacitor cabinet.
- High voltage switchgear.
- Electric power substation.
- Large municipal engineering project.
- Medium and low voltage switchgear.
- Thermal power plant electrical section switchgear.
- Wind turbine & wind farm and photovoltaic station switchgear.

Wiring Method



Energom-AMR-M Multiple switchgear protection