SICAM EFI - Earth Fault Indicator

Increase the speed in detecting and localizing faults in underground cable grids

What is it?

- Used for earth fault detection and indication in medium voltage underground cable systems
- Faulty section is easily located
- Surface-mount device, hence no special arrangement or panel cut-out required in RMUs

Key customer groups, decision makers and personas

- Service Manager
- Maintenance Manager
- Distribution System Operator
- Industry customer with underground cable

Benefits

- Higher Reliability: Faster fault detection and localization of ground faults in radial and open-ring networks
- Faster service restoration: Higher availability of the distribution network, reduced downtime and revenue loss reduction
- Improved KPIs : Reliability improvement (SAIDI etc.)
- Simple & Easy configuration using DIP switch

Key features

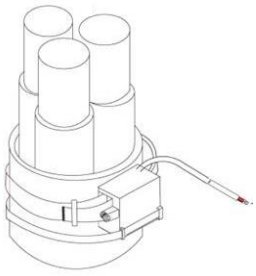
- IP68 water immersible sensors for three core and single core cable applications
- Dual power-on options using in-built battery supply and optional universal power supply
- Superior battery management with battery life up to 15 years
- Split-core type sensors convenient for retrofit applications
- Built- in restraints to prevent fault detection due to inrush currents & auto reclosure operations using muting logic

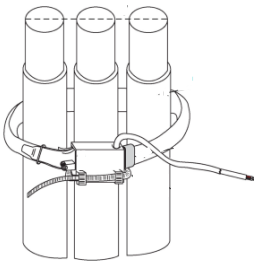
SIEMENS

Commissioning journey

Mount the sensor on medium voltage cables. Place the sensor around the three-core cable or 3 x single-core cables and fix it to the cable.

Necessary shield earthing measures to be taken based on mounting arrangement.





Connect the sensors to the SICAM Earth Fault Indicator

Open the front cover of the SICAM Earth Fault Indicator and complete the necessary DIP switch settings.

Optionally, connect an external signal lamp from the SICAM EFI for better visibility of fault indication.

Now you can efficiently detect and localize faults in your medium voltage system.