



suparule



Sensorform EFI-SFZM-50

Self-powered EFI with Mechanical Flag

- Flush-mount ABS Enclosure
- Powered from fault current
- Mechanical flag indicator
- Manual reset by Test/Reset dial on side of unit

DESCRIPTION

Sensorform EFI-SFZM-50 is one of a family of surface-mounted Earth Fault Indicator products that are designed to assist in the rapid location and isolation of faults on high voltage networks (1-36kV) in single-sided feed or open ring main systems. When an asymmetrical current greater than 50A in a 3-phase cable is detected an earth fault is indicated by means of a mechanical flag indicator.

A current sensor is fitted around the three phases of the cable system being monitored and detects a current imbalance due to an earth fault. An earth fault trip is indicated by means of a mechanical Flag Indicator located on the front of the unit.

In an open ring network the path of the fault current from the feeding point to the fault location is marked by the triggered EFI's. The defective conductor segment is located between the last EFI that has been triggered and the first EFI which is still inactive.

FEATURES

- Flush-mount ABS enclosure
- Powered from energy of fault current
- Mechanical flag indicator
- Manual reset by Test/Reset dial on side of unit
- CT100 Current Sensor (standard)
- CT150 Current Sensor (optional)
- CT300 Current Sensor (optional)
- ISO9001:2000 based Quality Assurance

Distributor:

SPECIFICATIONS

Power Source:	Self-powered from Fault Current Sensor
Network Volt. Range:	1-36kV
Impulse Voltage Withstand:	10kV, 1.2/50µs waveform
Trip Current:	50A ±10%
Primary Indication:	Mechanical Flag (RED)
Min. Fault Duration:	2.5 cycles (50ms @ 50Hz)
Manual Reset:	Rotary dial on side of unit
Manual Unit Test:	Rotary dial on side of unit
Operating Temp. Range:	-40° to +80° C
Operating Humidity Range:	0-100% RH
Dimensions:	115mm x 65mm x 40mm
Ingress Protection Rating:	IP40
Mass:	250g
Current Sensor Diameter:	Standard CT100: 100mm Optional CT150: 150mm Optional CT300: 300mm

Warranty Period 2 Years

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