



suparule



Sensorform **EFI-MFLZ-K-S-H-N**

Earth Fault Indicator with Mechanical Flag & Led Indicators & User-selectable Options

- Powered from mains supply 110V-240V AC
- Mechanical Flag & LED primary indicators
- User-selectable fault trip level, response time, reset period
- Automatic reset of fault state when mains power is restored
- Manual reset of fault state by Test/Reset button on front panel
- Aux Relay contact for remote alarm generation (optional)

DESCRIPTION

Sensorform EFI-MFLZ-K-S-H-N is one of a family of Earth Fault Indicator products that are designed to assist in the rapid location and isolation of faults on Medium Voltage networks (1-38kV) in single-sided feed or open ring main systems. When an asymmetrical current greater than the User-selectable trip level in a 3-phase cable is detected an earth fault is indicated by means of a mechanical flag indicator and high-intensity LED 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 a mechanical Flag Indicator, a LED indicator and Remote LED Indicator (fitted as optional). An auxiliary relay contact is also provided as an optional extra for signaling an alarm to other systems. 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

- Powered from mains supply 110-240V AC
- Battery or Super-Cap backup supply when mains supply not present
- Mechanical Flag & LED primary indicators
- User-selectable fault trip level
- User-selectable fault response time
- User-selectable auto reset period
- Automatic reset when mains power is restored
- Manual reset of fault by button on front panel
- CT100 Current Sensor (standard)
- CT150 Current Sensor (optional)
- CT300 Current Sensor (optional)
- Aux Relay contact for alarm generation (optional)
- Rugged design suitable for outdoor use

SPECIFICATIONS

General

Power Source:	110-240V AC +/-20% 50-60Hz
Network Voltage Range:	1-38kV
Trip Current Level:	User-selectable from 3 or 4 levels
Primary Indication:	Mechanical Flag (Red) & Flashing High-intensity LED
Flash Duration:	10 hours nominal
Min. Fault Duration:	User-selectable from 4 values
Inrush Rejection:	>300mS
Manual Reset:	Push-button on front panel
Automatic Reset Period:	10 Sec after mains restore or time period user-selectable from 4 values
Self-Test:	Manual Push Button
Operating Temperature Range:	-20 °C to +70 °C
Operating Humidity Range:	0-100% RH
Dimensions:	115mm x 65mm x 40mm
Degree of Protection:	IP65
Current Sensor Diameter:	Standard CT100: 100mm Optional CT150: 150mm Optional CT300: 300mm
Remote Indicator (optional)	
Indication Method:	Flashing LED @ 0.5Hz
Flashing Duration:	5 hours nominal
Dimensions:	M12 x 50mm Hex Bolt
Auxiliary Relay (optional)	
Type:	Latching, N/O on reset
Rating:	220VDC, 250VAC, 2A
Lead type:	2-core, 0.5mm ² double Insulated
Warranty Period:	2 Years

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