



suparule



Sensorform EFI-MFLP-S

Panel-Mount EFI with Mechanical Flag & LED

- Panel-mounting DIN Enclosure
- Powered from mains supply 110V-240V AC
- Mechanical Flag & Ultra-bright LED primary indicators
- User-selectable fault trip level, response time, reset period
- Automatic reset on restoration of mains
- Manual reset by Test/Reset button or remote switch input
- Optional LED Remote Indicator and Aux Relay contact

DESCRIPTION

Sensorform EFI-MFLP-S is one of a family of panel-mounted Earth Fault Indicator products that are designed to assist in the rapid location and isolation of faults on high voltage networks (1-38kV) in single-sided feed or open ring-main systems. When an asymmetrical current greater than a user-selectable level in a 3-phase cable is detected an earth fault is indicated by means of a mechanical flag indicator and flashing LED.

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 and LED, as well as a LED-based Remote Indicator (fitted as optional). An auxiliary relay contact output is also provided as an optional extra for signaling an alarm to other systems. Furthermore, a reset input allows reset from a remotely connected switch. 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

- Panel-mount enclosure to IEC 61554 Standard
- Powered from mains supply 110-240V AC
- Battery or Super-Cap backup supply when mains supply not present
- Mechanical Flag and LED primary indicators
- User-selectable fault trip level
- User-selectable fault response time
- User-selectable auto reset period
- Automatic reset on return of mains power
- Manual reset by Test/Reset button on the front panel
- Remote reset via switch input on rear panel
- CT100 Current Sensor (standard)
- CT150 Current Sensor (optional)
- CT300 Current Sensor (optional)
- Aux Relay contact for remote alarm (optional)

SPECIFICATIONS

General

Power Source:	110-240V AC +/-20%, 50-60Hz
Network Volt. Range:	1-38kV
Trip Current:	User-selectable from 3 factory set levels
Primary Indication:	Mechanical Flag (RED) & Ultra-bright LED
Min. Fault Duration:	User-selectable from 4 values
Inrush Rejection:	>300mS
Automatic Reset Period:	10s after mains restore or user-selectable timer period
Manual Self-Test:	Manual Push Button
Operating Temp. Range:	-20 °C to +70 °C
Operating Humidity Range:	0-100% RH
Dimensions:	90 x 44 x 118 mm to fit cut-out 92 x 45 mm
Enclosure:	Panel-mount to IEC6554
Ingress Protection:	IP40
Mass:	250g
Current Sensor Diameter:	Standard CT100: 100mm Optional CT150: 150mm Optional CT300: 300mm
Remote Indicator (optional)	
Indication Method:	Flashing LED @ 1 Hz
Flashing Duration:	5 hours nominal
Dimensions:	M12 Hex Bolt 50mm long
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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