

Frame.50 Bimetal Earth Leakage Circuit Breaker

This earth leakage circuit breaker features a bimetal tripping mechanism. It provides protection against electrical faults, particularly earth leakage currents, ensuring safety and preventing equipment damage.



ADDITIONAL IMAGES



Product Overview

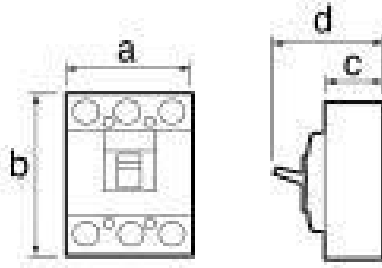


Frame.50 Bimetal Type ELCB designed for reliable earth leakage protection.

Professional Earth Leakage Protection

The Frame.50 Bimetal Earth Leakage Circuit Breaker (ELCB) provides robust electrical safety for low-voltage switchgear and control systems. Featuring a precision bimetal tripping mechanism, it effectively detects and interrupts earth leakage currents and overcurrents to prevent damage. Designed for high reliability, this series complies with international IEC/EN 60947 standards, making it an essential component for secure electrical distribution in diverse industrial and commercial applications.

Technical Specifications



Dimensions and installation schematic for the TRE series ELCB.

Number of Poles

- 2
- 3

Rated Current (A)	5, 10, 15, 20, 30, 40, 50
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Rated Operational Voltage (Ue)	220/415 V
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Rated Insulation Voltage (Ui)	500 V
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Rated Impulse Withstand Voltage (Uimp)	6 kV
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Performance Metrics

Breaking Capacity

Voltage	Icu (kA)
220V	5-10
415V	2.5-5

Rated Residual Current	30 mA
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Trip Action Time	< 0.03 sec
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Environmental Requirements

Ambient Temperature Range	-5°C to +40°C
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Maximum Altitude	2000 m
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Pollution Degree	II
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