

عنوان مقاله:

An Innovative Simple Test Circuit for Single-Phase Short Circuit Making Test of High-Voltage Switching Devices

محل انتشار:

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خلاصه مقاله:

Nowadays, high-voltage circuit breakers have reached such high short-circuit capabilities that testing them under the full rated voltage is generally not possible with direct tests, and they are conducted by using the synthetic test methods. Although the phenomena associated with making tests is of particular importance especially in case of load break switches, but making tests are rather disregarded in power studies. The aim of this paper is to present an innovative simple test circuit for single-phase short-circuit making test which can properly test the breaker at a reasonable cost, eliminating the need to large capacity power sources. The test circuit satisfies all relevant standard requirements and its results are conformable to those of reputable international testing laboratories.

کلمات کلیدی:

Circuit breaker testing, Making test, Switchgear testing, Synthetic test circuit

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