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Approach for the estimation of DC current component in the circuit-breakers of compensated transmission lines.

An approach for evaluation of DC current component in extra high-voltage compensated transmission lines circuit breakers is proposed. Authors also propose an approach for the development of measures to ensure safe opening of the circuit breakers in such schemes.

Key words: DC current component, SF6 circuit-breaker, compensated power transmission line, shunt reactor, pre-insertion resistors.

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