Active Distribution Network Relay Protection

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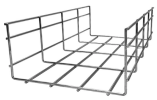
	In this paper, a novel method for optimizing and coordinating directional overcurrent relays in active distribution networks considering thermal equivalent short-circuit current is proposed.
	In this paper, an economical FCL model is constructed and a coordinated relay protection strategy based on current limiting is proposed to solve the problem of difficult protection coordination ...
	This paper proposes an adaptive protection scheme based on overcurrent devices with several setting groups based on artificial intelligence algorithms. The developed strategy is composed of two stages.
	In light of the inherent challenges and exposure associated with ADNs, this paper presents a comprehensive methodological framework for assessing protection strategies, with ...
	Building upon the identified characteristics of voltage fault components, a novel approach for the longitudinal protection of active distribution networks is proposed.

This paper first analyzes the influence mechanism of distributed generation connected to distribution networks and proposes a short-circuit current calculation method for active distribution networks.

This article proposes a novel problem formulation that simultaneously obtains the optimal relay SG and network topology clusters and the effect of the relay characteristic type on reducing the operating ...

It aims to minimize the operating time, considering the transformers'' thermal limits, fuse operating curves, and overcurrent relay settings. The solution is determined by using an Augmented...



Building upon the identified characteristics of voltage fault components, a novel approach for the longitudinal protection of active distribution ...

To improve the reliability and sensitivity of multi-level relay protection in distribution networks with distributed power sources, this study designs an adaptive setting strategy optimization method.

With the deterioration of the global climate environment and the intensification of the energy crisis, new energy sources such as photovoltaics and wind power are widely integrated into the distribution ...

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