

110kV Substation Relay Protection Design



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TL;DR: In this article, the relay protection of transmission lines, transformers, busbars, etc. is set, and the configured protections include current quick-break protection, gas protection, and longitudinal ...



A thesis on 110/22kV substation design, relay protection, and a climate control project. Includes calculations, diagrams, and practical applications.



Project concerns reconstruction of 110 kV relay protection of two outgoing feeders from GPP-2 and the opposite main step-down substations on the territory of the refinery LUKOIL Neftohim Burgas AD.



This paper designs a 110KV substation. Through the analysis of transformer load, the capacity and number of main transformers are selected, and the main connection modes of 110kV, 35kV and 10kV ...



In this paper, the main electric wiring mode of 110kV substation is selected, the structure of substation is determined, and then the main wiring diagram is drawn.



Finally, we design a simple relay protection, and complete the design of the primary electrical part of 110kV substation.

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