

Sampling Error of Microcomputer Relay Protection



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Because a protection configuration only works under fault conditions, defects may not be discovered for a substantial period of time, until a fault happens. Regular testing assists in discovering faults that ...



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For testing low-voltage microcomputer protection devices, if the current sampling signal is delivered to the protection device via a current transformer (CT), a microcomputer relay protection tester can be ...



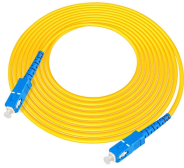
The experimental results show that this method can effectively analyze the operation characteristics of power system relay protection, and can accurately check whether the relay ...



Using digital data from the unfiltered event report, which are not sampled at the protection and control processing rate of the relay, can produce a small timing error in Relay Word bits' assertion time.



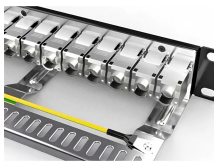
In this paper, the analysis of various fault types of relay protection devices also provides an important guidance for the maintenance, design and improvement of devices. In this study, the ...



In this study, the failure of a relay protection device was taken as an example to construct a fault tracking model. The algorithm of fault tracking for relay protection devices was...



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When dealing with failure of relay protection devices, the internal faults of the protection device are causes, and the failure symptoms are results. Fault tracking in this paper refers to the process of ...



At present, there are three common sampling methods in DC systems: DC transformer, Hall sensor, and diverter. The structure of a DC transformer is simple, but its linearity is poor and it is greatly disturbed ...



Finally, taking GOOSE and SMV message transmission relay protection instruction as an example, the application of IEC61850 on the experimental platform is introduced. This paper provides a test flow of ...

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