10kV Distribution Network Automation for Defect Elimination

Preview

In order to improve the distribution of network fault finding, isolation and restoration line, Firstly, the paper analyzes the current situation of 10kV distribution lines and the types and characteristics of the fault, The local intelligent processing principle to solve the. In order to improve the distribution of network fault finding, isolation and restoration line, Firstly, the paper analyzes the current situation of 10kV distribution lines and the types and characteristics of the fault, The local intelligent processing principle to solve the. see figure 1 and figure 2, the present invention provides a technical solution: a 10kV power distribution automation test platform, which solves the problems of the equipment. Completed the test of segmental load current measurement on the column and the remote control of the boundary. The utility model discloses a 10kV distribution automation test platform, including organism, divide -shut brake detection module and electric current detection module, the top of organism is equipped with the handle, the middle part of organism is provided with the baffle, and the baffle divide. ack Propagation) neural network model. The results show that the system runs reliably and smoothly. Ensure an efficient, stable, secure and sustainable power supply and. Distribution automation allows utilities to detect feeder faults, isolate the damaged section, and restore service through automated switching and FLISR control logic.

PDF | On Jan 1, 2017, Jing Hua and others published Fault Analysis and Automation Technology of 10kv Distribution Line | Find, read and cite all the

Conventional automatic closing may reclose on a permanent fault and cause severe consequences without judging the fault type after a delay. It is proposed to us.

The equipment defect management and control algorithm is based on the analysis of the operation status data of the distribution automation equipment, the establishment of the equipment defect

As the social economy grows swiftly and the need for electricity escalates, the dependability of the power supply within the distribution network has garnered increasing interest. The deployment of

However, due to the wide range of distribution network automation equipment points, poor operating environment, and a large workload of inspection and maintenance of operating units, it is urgent to

Therefore, improving the reliability of 10kV distribution network power supply is the first problem to be solved by related personnel. Keywords: 10kV distribution network, reliability of power supply, strategy.

This paper discusses the importance of power supply companies to strengthen cable loss management for

distribution networks of 10kV and below

The utility model relates to Distribution Network Equipment maintenance technology field, is specially a kind of 10kV power distribution automation test platform.

The primary goal of constructing a security diagnosis platform for 10 kV cable partial discharge in urban distribution network is to optimize the security diagnosis process to overcome the

Structural design and simulation study of intelligent defect elimination equipment for high-voltage transmission line pin defects November

Completed the test of segmental load current measurement on the column and the remote control of the boundary switch, so that it can be judged more quickly whether it is a problem with the primary

This paper takes the equipment of a specific project as an example to develop an automatic fault diagnosis and isolation device for 10kV overhead line

With the advent of smart distribution grids, detection of defects in insulators with unmanned aerial vehicles as a part of distribution automation system (DAS) has attained a

This article mainly researches the rapid location and isolation device of 10kV distribution line fault and its application.

Abstract: This article aims to propose a reliable real-time monitoring system for distribution network defects, improve intelligent monitoring technology by combining deep learning technology, and

The improved BP neural network model and adaptive evolutionary algorithm programming can effectively analyze the 10kV transmission and

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