DTU Distribution Network Automation Terminal Fault Handling

In this paper, a double-layer improved cloud model (ICM) is proposed for the first time to realize the condition assessment of DRTUs for condition-based maintenance.

DTU distribution network automation terminal is such an intelligent device, which can greatly improve the efficiency of distribution network management and reduce human errors, and ...

It is suitable for multi-circuit centralized monitoring and control applications such as power distribution room, ring network cabinet, opening and closing station, box-type substation, etc.

The invention relates to the technical field of DTU terminals, in particular to an automatic DTU power distribution terminal with fault isolation and a use method thereof.

At present, traditional power distribution systems have problems in the quality, reliability, and operation level of urban power grids. Therefore, this paper first briefly describes the concept of distribution ...

Abstract: Accurate and rapid location of short-circuit fault in distribution network is of great significance to improve the reliability of power supply in distribution network.

The results show that the proposed method achieves a recognition accuracy of up to 98.51% across various fault types, with an average diagnosis time of 2.78 seconds and a ...

It is panel-mounted and installed in 10kV cable network ring main units, switch stations, and distribution substations to enable real-time monitoring of cable line voltage, current, and faults.

It can complete the remote monitoring, fault detection, fault isolation, etc. of distribution systems and equipment, and is suitable for the implementation and transformation of distribution network ...

Simulation results show that the proposed method can effectively learn more distinguishable feature representations of equipment nodes in the distribution communication ...

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