



电力二次设备不停电改造方法及专用扩展器研究

作者 : **作者** : 杨永旭;李瑞津;郑果

分类 : 论文

价格 : ¥0.00

[↓ 下载 \(user/download/f818962d2f383acde054d89d67f5a4e2.pdf?flag=0\)](user/download/f818962d2f383acde054d89d67f5a4e2.pdf?flag=0)

详细信息

【标题】 电力二次设备不停电改造方法及专用扩展器研究

【Title】 Research on transformation method and special expander of power secondary equipment without power failure

【摘要】 变电端子作为常规变电站二次回路的重要组成部分，起到连接与开断二次回路的作用。近年来，由于屏柜空间不足，“同一个端子压接两根接线”的南网反措整改落实困难，多次出现因回路连接不可靠导致停电范围扩大的事故。本课题组通过研究，开展了电力二次设备不停电改造方法及通用型变电端子接口带电扩展器研究，经过长期现场使用验证，能带电可靠扩展端子接口，使得“先并接、后拆除”的改造方式适用性更广。本成果能克服端子排布置满、停电改造困难等现场长期存在的问题，对于南网反措刚性执行落地，不停电改造回路，降低电网运行风险、提高供电可靠性有着较为显著的作用。

【Abstract】 As an important part of the secondary circuit of the conventional substation, the substation terminal plays the role of connecting and disconnecting the secondary circuit. In recent years, due to the lack of space in the panel cabinet, it is difficult to implement the rectification of the South China Power Grid Countermeasures of "crimping two wires at the same terminal", and there have been many accidents of expanding the scope of power outage due to unreliable circuit connection. Through research, this research group has carried out the research on the transformation method of power secondary equipment without power failure and the live expander of general-purpose substation terminal interface. After long-term field use verification, it can live and reliably expand the terminal interface, making the transformation method of "parallel connection first and then demolition" more applicable. This achievement can overcome the long-standing problems on the site, such as the full arrangement of terminal strips and the difficulty of power outage transformation. It plays a significant role in the rigid implementation of Countermeasures in the southern power grid, the transformation of circuits without power outage, the reduction of power grid operation risk and the improvement of power supply reliability.

【关键词】 变电端子、不停电作业、扩展器

【Keywords】 Substation terminal; Uninterrupted operation; Extender

【作者】

杨永旭：云南电网有限责任公司玉溪供电局

李瑞津：云南电网有限责任公司玉溪供电局

郑果：云南电网有限责任公司玉溪供电局

【来源】 2022年中国电机工程学会年会论文集

所属合集

> 2022年中国电机工程学会年会 (detail/F81A88732DD94181E055000000000001) > 2022年中国电机工程学会年会论文集 (detail/F7EB95060CACB5D3E055000000000001)

访问信息

【浏览数： 7】 【收藏数： 0】 【购买数： 0】 【下载数： 0】