**真空断路器交接试验报告**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 设备名称 | | |  | | | | | | | | |
| 1.断路器参数 | | | | | | | | | | | |
| 型号 | | |  | | | | 额定电压(kV) | | |  | |
| 额定电流(A) | | |  | | | | 额定短时耐受电流 | | |  | |
| 合闸操作电压 | | |  | | | | 额定短路关合电流 | | |  | |
| 分闸操作电压 | | |  | | | | 产品编号 | | |  | |
| 出厂日期 | | |  | | | | 制造厂 | | |  | |
| 2.试验依据 | | | | | | | | | | | |
| 试验采用标准、设计技术参数及合同要求 | | | | | | | | | | | |
| 3.导电回路的电阻 | | | | | | | | | | | |
| 相 别 | | | A相 | | | B相 | | | | C相 | |
| 测量值(μΩ) | | |  | | |  | | | |  | |
| 要求值(pΩ) | | |  | | |  | | | |  | |
| 试验环境 | | | 环境温度： ℃ | | | | | | | | |
| 试验设备 | | | 试验仪器及仪表名称、规格、编号 | | | | | | | | |
| 试验人员 | | |  | | | | | 试验日期 | | 年 月 日 | |
| 4.绝缘电阻及交流耐压试验 | | | | | | | | | | | |
| 项 目 | | | | | 耐压的绝缘电阻  (MΩ) | 耐压后绝缘电阻  (MΩ) | | | 试验电压(kV) | | 持续时间(min) |
| 合闸状态 | A相/B、C相及地 | | | |  |  | | |  | |  |
| B相/C、A相及地 | | | |  |  | | |  | |  |
| C相/A、B相及地 | | | |  |  | | |  | |  |
| 分闸状态 | A相断口 | | | |  |  | | |  | |  |
| B相断口 | | | |  |  | | |  | |  |
| C相断口 | | | |  |  | | |  | |  |
| 试验环境 | | | 环境温度： ℃ | | | | | | | | |
| 试验设备 | | | 试验仪器及仪表名称、规格、编号 | | | | | | | | |
| 试验人员 | | |  | | | | | 试验日期 | | 年 月 日 | |
| 5.分间时间、合闸时间、弹跳时间及同期性 | | | | | | | | | | | |
| 项目 | | | | 要求值 | | A相 | | | B相 | | C相 |
| 合闸特性 |  | 合闸时间(ms) | |  | |  | | |  | |  |
|  | 弹跳时间(ms) | |  | |  | | |  | |  |
|  | | 同期差(ms) | |  | |  | | |  | |  |
| 分闸特性 | | 分闸时间(ms) | |  | |  | | |  | |  |
| 同期差(ms) | |  | |  | | |  | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 试验环境 | | | 环境温度： ℃ | | | | | | | | | | |
| 试验设备 | | | 试验仪器及仪表名称、规格、编号 | | | | | | | | | | |
| 试验人员 | | |  | | | | | | 试验日期 | | 年 月 日 | | |
| 6.分、合闸线圈的绝缘电阻和直流电阻 | | | | | | | | | | | | | |
| 相别 | 绝缘电阻(MΩ) | | | | | | | 直流电阻(Ω) | | | | | |
| 分闸线圈 | | | 合闸线圈 | | | | 分闸线圈 | | | 合闸线圈 | | |
| 测量值 | | 要求值 | 测量值 | | 要求值 |
| A相 |  | |  |  |  | | |  | |  |  | |  |
| B相 |  | |  |  |  | | |  | |  |  | |  |
| C相 |  | |  |  |  | | |  | |  |  | |  |
| 试验环境 | | 环境温度：℃ | | | | | | | | | | | |
| 试验设备 | | 试验仪器及仪表名称、规格、编号 | | | | | | | | | | | |
| 试验人员 | |  | | | | | | | 试验日期 | | 年 月 日 | | |
| 7.断路器操动机构的试验 | | | | | | | | | | | | | |
| 7.1合闸操作试验 | | | | | | | | | | | | | |
|  | |  | | | |  | | | | |  | | |
| 合闸线圈 | |  | | | |  | | | | |  | | |
| 合闸接触器 | |  | | | |  | | | | |  | | |
| 动作情况 | |  | | | |  | | | | | | | |
| 7.2分闸操作试验 | | | | | | | | | | | | | |
|  | |  | | | |  | | |  | | |  | |
| 可靠分闸值 | |  | | | |  | | |  | | |  | |
| 不分闸值 | |  | | | |  | | |  | | |  | |
| 7.3失压脱扣器的脱扣试验 | | | | | | | | | | | | | |
| 电源电压与额定电源电压的比值 | | | 小于35% | | | | 大于65% | | | | 大于85% | | |
| 失压脱扣器的工作状态 | | | 铁心应可靠释放 | | | | 铁心不得释放 | | | | 铁心应可事吸合 | | |
| 动作情况 | | |  | | | |  | | | |  | | |
| 7.4过流脱扣器的脱扣试验 | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 过流脱扣器的种类 | | 延时动作 | 瞬时动作 | | | | 厂家值 |
| 脱扣电流等级范围(A) | |  |  | | | |  |
| 每级脱扣电流的准确度 | |  |  | | | |  |
| 同一脱扣器各级脱扣电流准确度 | |  |  | | | |  |
| 7.5直流电磁或弹簧机构的模拟操动试验 | | | | | | | |
| 操作类别 | | 操作线圈端钮电压与额定电源电压的比值(%) | | | 操作次数 | | |
| 合、分 | | 110 | | | 3 | | |
| 合闸(自动重合闸) | | 85(80) | | | 3 | | |
| 分闸 | | 65 | | | 3 | | |
| 合、分、重合 | | 100 | | | 3 | | |
| 试验环境 | 环境温度： ℃ | | | | | | |
| 结论 |  | | | | | | |
| 试验人员 |  | | | 试验日期 | | 年 月 日 | |
| 8.试验结论 | | | | | | | |
| 结论 |  | | | | | | |
| 审核人员 |  | | | 审核日期 | | 年 月 日 | |