**附录1. k1~k6点短路计算结果**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **短路点编号** | **短路点位置** | **短路点平均电压** | **基准电压** | **分支线名称** | **平均工作电压计算合成电抗** | **支路电源额定电容量** | **不同时间各支路短路电流周期分量有名值** | | | | | | **短路电流非周期分量** | **非周期分量热效应** | **周期分量热效应** | | **短路冲击电流最大值** | **各支路电源额定电流** |
| *Uav* (kV) | *Ib* (kA) | *X\*Σ* | *SN*  (MVA) | *IZ’’* | *IZ0.01* | *IZ0.1* | *IZ0.2* | *IZ2* | *IZ4* | *If (kA)* | *Qfz*  (kA2•s) | *Qz0.2* | *Qz4* | *ich*  (kA) | *IN*  (kA) |
| **k1** | **110kV母线** | 115 | 9.164 | **系统S** | 0.0298 | 62.5 | 16.85 | 16.82 | 16.82 | 14.55 | 23.33 | 32.33 | 2.93 | 13.556 | 56.78 | 1135.69 | 43.162 | 5.728 |
| **G1/G2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **合计** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **k2/k3** | **1号/2号发电机出口** |  |  | **系统S** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **G1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **G2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **合计** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **k4/k5** | **1号/2号厂用高压工作变压器低压侧** |  |  | **系统S** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **G1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **G2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **M反馈** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **合计** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **k6** | **厂用高压变压器低压侧** |  |  | **系统S** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **G1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **G2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **M反馈** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **合计** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |