绝缘导线载流量计算表

|  |  |  |
| --- | --- | --- |
| 截面积 mm2 | 载流量 (AL)A | 载流量 (CU) A |
| 0.75 | 6.75 | 10 |
| 1 | 10 | 16.5 |
| 1.5 | 16.5 | 30 |
| 2.5 | 30 | 32 |
| 4 | 32 | 42 |
| 6 | 42 | 60 |
| 10 | 60 | 80 |
| 16 | 80 | 100 |
| 25 | 100 | 122.5 |
| 35 | 122.5 | 150 |
| 50 | 150 | 210 |
| 70 | 210 | 237.5 |
| 95 | 237.5 | 300 |
| 120 | 300 |  |

一般电气设备电气间隙和爬电距离CB\*/Z342-84,7.4.1-表9

|  |  |  |
| --- | --- | --- |
| 额定绝缘电压V | 电气间隙mm | 爬电距离mm |
| <250 | 6 | 10 |
| 251-500 | 8 | 14 |

集控台元件最小电气间隙和爬电距离表GB/T11633-2000,3.2.4.1-表5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 额定电压V | 电气间隙 mm | | 爬电距离 mm | |
| 额定电流<63A | 额定电流>63A | 额定电流<63A | 额定电流>63A |
| <60 | 3 | 5 | 3 | 5 |
| >60-250 | 5 | 6 | 5 | 8 |
| >250-380 | 6 | 8 | 8 | 10 |

主配电板裸主汇流排电气间隙和爬电距离CB\*/Z342-84,6.9-表8

|  |  |  |
| --- | --- | --- |
| 极件间或相同额定电压V | 最小电气间隙mm | 最小爬电距离mm |
| <250 | 15 | 20 |
| 250-660 | 20 | 30 |
| >660 | 25 | 35 |

导线、汇流排、紧固件配用表CB\*/Z342-84,

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 电流A | 绝缘电线铜线线芯截面MM2 | 铜汇流排截面MM2 | 导电电路紧固用钢制螺钉或螺栓 | 导电螺柱 | |
| 黄铜 | 铜 |
| 5-10 | 1 |  | M5 | M5 |  |
| 15 | 1.5 |  | M5 | M5 |  |
| 20 | 2.5 |  | M5 | M5 |  |
| 25 | 4 |  | M5 | M6 |  |
| 30.40.50 | 10 | 3\*20.2\*30.2.5\*25 | M6 | M6 |  |
| 60.75.80 | 16 | 3\*20.2\*30 | M6 | M8 |  |
| 100 | 25 | 3\*20.2\*30 | M8 | M10 | M8 |
| 120.150 | 35 | 3\*25.2.5\*30 | M8 | M12 | M10 |
| 200 | 50 | 3\*25.2.5\*30 | M10 | M12 |  |
| 250.300 |  | 3\*30 | M10 | M12 |  |
| 400 |  | 4\*40 | M12 | M16 |  |
| 500-600 |  | 5\*50 | M16 | M20 |  |
| 750.800 |  | 6\*60 | M20 |  |  |
| 1000 |  | 6\*80 | M20 |  |  |
| 1200.1500 |  | 8\*80 |  |  |  |
| 2000-3000 |  | 2\*(8\*80) |  |  |  |

接地导体、螺柱关系表CB\*/Z342-84,2.5.2-表1

|  |  |  |
| --- | --- | --- |
| 电源线导体截面 S mm2 | 接地铜导体件最小截面 Q mm2 | 接地螺柱直径 mm |
| S<4 | Q=S但不小于1.5 | M6 |
| 4<S<120 | Q=1/2S，但不小于4 | M8 |
| S>120 | Q=70 | M10 |

接头连接力矩表CB\*/Z89-88,5.2.3-表4 麻花钻与丝攻

配合关系表

|  |  |  |  |
| --- | --- | --- | --- |
| 螺纹直径MM | 力矩值N\*M | 螺纹直径MM | 力矩值N\*M |
| 2，2.5 | 0.25-0.35 | 10 | 18-23 |
| 3 | 0.5-0.6 | 12 | 31.5-39.5 |
| 4 | 1-1.3 | 14 | 51-61 |
| 5 | 2-2.5 | 16 | 78-98 |
| 6 | 4--4.9 | 18 | 113-137.5 |
| 8 | 8.9-10.8 | 20 | 157-196 |

|  |  |
| --- | --- |
| 丝攻螺纹直径 | 麻花钻直径 |
| M4 | 3.4 |
| M5 | 4.2 |
| M6 | 5 |
| M8 | 7 |