



NH1 series isolating switch

Disconnectors, Isolators

NH1 series isolating switch is suitable for AC 50Hz, rated working voltage to AC400V, AC690V, rated working current to 4000A and below. In distribution network, it is mainly used to indirectly connect and disconnect circuit and isolate power supply. . The isolating switch can be widely applied to power distribution systems of power stations, factories, mines, and modern high-rise buildings, and is also widely used in green energy projects such as wind power generation and solar power generation.

Meet the standards: GB/T14048.3, IEC 60947-3.



Switching Devices Disconnectors Isolators



Specification

4 主要技术数据及性能

4.1 隔离开关的额定电流、额定电压、额定绝缘电压及额定冲击耐受电压见表1

表1

壳架等级 额定电流Ith(A)	额定电流 Ie(A)	额定工作电压 Ue(V)	额定绝缘电压 Ui(V)	额定冲击耐受电压 Uimp(kV)	飞弧距离 (mm)
1000	200 400 630 800 1000	AC415、AC690	AC800	8	0
2000	630 800 1000 1250 1600 2000	AC400			
3200	2000 2500 2900 3200	AC400、AC690	AC1000		
4000/3	2000 2500 2900 3200 3600 4000	AC400			

4.2 隔离开关的额定短时耐受电流见表2

表2

壳架等级额定电流 Inm(A)	额定极限短路接通能力 Icm(kA)(AC400V/AC690V)	额定短时耐受电流 Icw(kA)(AC400V/AC690V)
1000	63/63	30/30
2000	105/-	50/-
3200	176/176	80/80
4000/3	176/-	80/-

4.3 隔离开关的操作性能

隔离开关操作性能用操作循环次数表示，见表3

表3

壳架等级额定电流 Inm(A)	每小时循环操作次数 (次/小时)	不通电 (次)	通电 (次)	操作次数 (次)
1000	20	8500	6500	15000
2000	20	8500	6500	15000
3200	20	7000	3000	10000
4000/3	10	8500	1500	10000

4.4 隔离开关的分励脱扣器，储能电动机，闭合电磁铁的工作电压，见表4

表4

额定工作电压(V)	交流(50Hz)	直流	
分励脱扣器	127V、220V、230V、380V、400V	110V	220V
储能电动机	127V、220V、230V、380V、400V	110V	220V
闭合电磁铁	127V、220V、230V、380V、400V	110V	220V

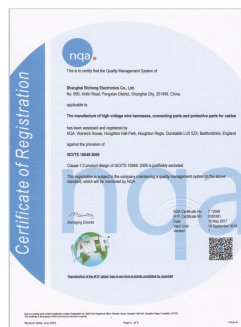
4.5 辅助触头

4.5.1 辅助触头的约定发热电流为6A。

4.5.2 辅助触头形式：NH1-1000常规订货为四组转换触头，特殊订货可提供六组转换触头（仅用于交流），NH1-2000~4000/3常规订货为四组转换触头，特殊订货可提供五组转换触头、三常开三常闭、四常开四常闭、三组转换触头。

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