



主要技术参数 (负荷开关用) MAIN TECHNICAL DATA (FOR LOAD-BREAKING SWITCH)

额定电压 Rated voltage	12KV
额定电流 Rated current	630A
额定频率 Rated frequency	50/60HZ
短时(1min)工频耐受电压 Short-time(1min) power-frequency withstand voltage	42KV
雷电冲击耐受电压(峰值) Lightning impulse withstand voltage(peak)	75KV
额定短路关合电流 Rated short-circuit making current	50KA
额定峰值耐受电流 Rated peak withstand current	50KA
额定短时耐受电流(4秒) Rated short-time withstand current(4s)	20KA
额定闭环开断电流 Rated closed circuit breaking current	630A
额定转移电流 Rated transfer current	3150A
额定有功负载开断电流 Rated load with power breaking current	630A
额定电缆充电开断电流 Rated cable-charging breaking current	10A
额定触头压力下限时的回路电阻 Circuit resistance at minimum added force	≤ 40 μΩ
机械寿命 Mechanical life	20000次
触头自闭力 Closing force due to bellows and atmosphere	80 ± 30N
额定开距下的触头反力 Force required to hold contacts open at full stroke	120 ± 40N
触头允许磨损厚度 Contact erosion limit	3mm
贮存期 Shelf life	20年
质量/动触头质量 Total mass of interrupter/Moving mass of interrupter	1.7Kg/0.5Kg

配套真空开关的机械参数(建议值)MECHANICAL DATA OF SWITCH RECOMMENDATIONS WITH THE INTERRUPTERS

触头开距 Rated contact stroke	8 ± 1mm
触头接触行程 Contact connection stroke	4 ± 1mm
平均分闸速度 (0-6mm行程) Average opening speed (0-6mm stroke)	1.0 ± 0.2m/s
平均合闸速度 (6mm-触头闭合) Average closing speed (6mm-contact making)	0.6 ± 0.2m/s
额定触头压力 Added force on closed contacts	700 ± 50N
触头合闸弹跳时间 Max.bouncing duration	≤ 2ms
触头分合闸不同期 Out of simultaneity of contact closing and opening	≤ 2ms
分闸触头反弹幅值 Max. rebound distance	≤ 2mm
分闸触头过冲幅值 Max. overtravel	≤ 2mm