



主要技术参数 (断路器用) MAIN TECHNICAL DATA (FOR CIRCUIT BREAKER)

额定电压 Rated voltage	12KV
额定电流 Rated current	2000A
额定频率 Rated frequency	50/60HZ
额定短路开断电流 Rated short-circuit breaking current	40KA
额定短路开断电流开断次数 Operations of short-circuit breaking current interruption	30次
最大直流分量 Max.DC-component	40%
额定短路关合电流 Rated short-circuit making current	100KA
额定峰值耐受电流 Rated peak withstand current	100KA
额定短时耐受电流(4秒) Rated short-time withstand current(4s)	40KA
额定单个电容器组开断电流 Rated breaking current of single capacitor bank	#630A
额定背对背电容器开断电流 Rated breaking current of back to back capacitor bank	#400A
局部放电值 (1.1Ur) Partial discharge value(with a voltage of 1.1Ur applied)	≤ 1pc
短时(1min)工频耐受电压 Short-time(1min) power-frequency withstand voltage	49KV
雷电冲击耐受电压(峰值) Lightning impulse withstand voltage(peak)	85KV
额定触头压力下限时的回路电阻 Circuit resistance at minimum added force	≤ 16 μΩ
机械寿命 Mechanical life	20000次
触头自闭力 Closing force due to bellows and atmosphere	210 ± 60N
额定开距下的触头反力 Force required to hold contacts open at full stroke	400 ± 100N
触头允许磨损厚度 Contact erosion limit	3mm
贮存期 Shelf life	20年
质量 Total mass of embedded pole	20Kg
额定操作顺序 Rated operating sequence	O-0.3s-CO-180s-CO
动端导电杆的组装力矩 Moving contact stem assembly torque	50N · m

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	9 ± 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)	1.1 ± 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
触头初压力 Added external contact force at contact touch point	≥ 3200N
额定触头压力 Added force on closed contacts	4200 ⁺¹⁶⁰⁰ ₋₃₀₀ N
触头合闸弹跳时间 Max.bouncing duration	≤ 3ms
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

备注 (Note):
#订货时需与BOV公司协商(Must consult with BOV);