



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	4000 Δ ,3150A
额定频率 Rated frequency	50/60HZ
额定短路开断电流 Rated short-circuit breaking current	50KA
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	125KA
额定峰值耐受电流 Rated peak withstand current	125KA
额定短时耐受电流(4秒) Rated short-time withstand current(4s)	50KA
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
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	7 \pm 1 $\mu\Omega$
机械寿命 Mechanical life	20000次
触头自闭力 Closing force due to bellows and atmosphere	200 \pm 50N
额定开距下的触头反力 Force required to hold contacts open at full stroke	300 \pm 50N
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	7.5Kg/1.5Kg
额定操作顺序 Rated operating sequence	O-0.3s-CO-180s-CO

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 \pm 1mm
触头接触行程 Contact connection stroke	4 \pm 1mm
平均分闸速度 (0-6mm行程) Average opening speed (0-6mm stroke)	1.1 \pm 0.2m/s
平均合闸速度 (6mm-触头闭合) Average closing speed (6mm-contact making)	0.6 \pm 0.2m/s
触头初压力 Added external contact force at contact touch point	\geq 4200N
额定触头压力 Added force on closed contacts	6200 ⁺⁸⁰⁰ ₋₇₀₀ N
触头合闸弹跳时间 Max.bouncing duration	\leq 3ms
触头分合闸不同期 Out of simultaneity of contact closing and opening	\leq 2ms
分闸触头反弹幅值 Max. rebound distance	\leq 2mm
分闸触头过冲幅值 Max. overtravel	\leq 2mm

备注 (Note):
 Δ 加风冷 (with cooling);
 # 订货时需与BOV公司协商 (Must consult with BOV);
 * 须有外绝缘保护 (With insulation cover);