



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	*4000A
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
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	$\leq 15 \mu\Omega$
机械寿命 Mechanical life	20000次
触头自闭力 Closing force due to bellows and atmosphere	$210 \pm 60\text{N}$
额定开距下的触头反力 Force required to hold contacts open at full stroke	$350 \pm 60\text{N}$
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	8.6Kg/2.5Kg
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	$\Delta 9 \pm 1\text{mm}$
触头接触行程 Contact connection stroke	$4 \pm 1\text{mm}$
平均分闸速度 (0-6mm行程) Average opening speed (0-6mm stroke)	$1.1 \pm 0.2\text{m/s}$
平均合闸速度 (6mm-触头闭合) Average closing speed (6mm-contact making)	$0.6 \pm 0.2\text{m/s}$
触头初压力 Added external contact force at contact touch point	$\geq 3200\text{N}$
额定触头压力 Added force on closed contacts	$4200^{+1600}_{-300}\text{N}$
触头合闸弹跳时间 Max.bouncing duration	$\leq 3\text{ms}$
触头分合闸不同期 Out of simultaneity of contact closing and opening	$\leq 2\text{ms}$
分闸触头反弹幅值 Max. rebound distance	$\leq 2\text{mm}$
分闸触头过冲幅值 Max. overtravel	$\leq 2\text{mm}$

备注 (Note):  
\*加风冷 (with cooling);  
#订货时需与BOV公司协商(Must consult with BOV);  
 $\Delta$ 根据客户机构的要求最大开距可调整为12mm。