



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

额定电压 Rated voltage	40.5KV
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	31.5KA
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	80KA
额定峰值耐受电流 Rated peak withstand current	80KA
额定短时耐受电流(4秒) Rated short-time withstand current(4s)	31.5KA
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	95KV
雷电冲击耐受电压(峰值) Lightning impulse withstand voltage(peak)	185KV
额定触头压力下限时的回路电阻 Circuit resistance at minimum added force	$\leq 25 \mu\Omega$
机械寿命 Mechanical life	20000次
触头自闭力 Closing force due to bellows and atmosphere	200 \pm 60N
额定开距下的触头反力 Force required to hold contacts open at full stroke	300 \pm 60N
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	12.4Kg/3.0Kg
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	19 \pm 1mm
触头接触行程 Contact connection stroke	6 \pm 2mm
平均分闸速度 (0-8mm行程) Average opening speed (0-8mm stroke)	1.4-2.0m/s
平均合闸速度 (8mm-触头闭合) Average closing speed (8mm-contact making)	0.8-1.2m/s
触头初压力 Added external contact force at contact touch point	≥ 2100 N
额定触头压力 Added force on closed contacts	3100 ⁺¹⁰⁰⁰ ₋₂₀₀ N
触头合闸弹跳时间 Max.bouncing duration	≤ 5 ms
触头分合闸不同期 Out of simultaneity of contact closing and opening	≤ 2 ms
分闸触头反弹幅值 Max. rebound distance	≤ 2 mm
分闸触头过冲幅值 Max. overtravel	≤ 2 mm

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