



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 | 630A |
| 额定频率 Rated frequency | 50/60HZ |
| 额定短路开断电流 Rated short-circuit breaking current | 20KA |
| 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 | 50% |
| 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 | *42KV |
| 雷电冲击耐受电压(峰值) Lightning impulse withstand voltage(peak) | *75KV |
| 额定触头压力下限时的回路电阻 Circuit resistance at minimum added force | $\leq 30 \mu \Omega$ |
| 机械寿命 Mechanical life | 10000次 |
| 触头自闭力 Closing force due to bellows and atmosphere | $110 \pm 40N$ |
| 额定开距下的触头反力 Force required to hold contacts open at full stroke | $180 \pm 60N$ |
| 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 | 2.1Kg/0.8Kg |
| 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 CIRCUIT-BREAKING 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 | $\geq 1300N$ |
| 额定触头压力 Added force on closed contacts | $2000_{-200}^{+400}N$ |
| 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) :

订货时需与BOV公司协商(Must consult with BOV);

* 须有外绝缘保护 (With insulation cover) ;