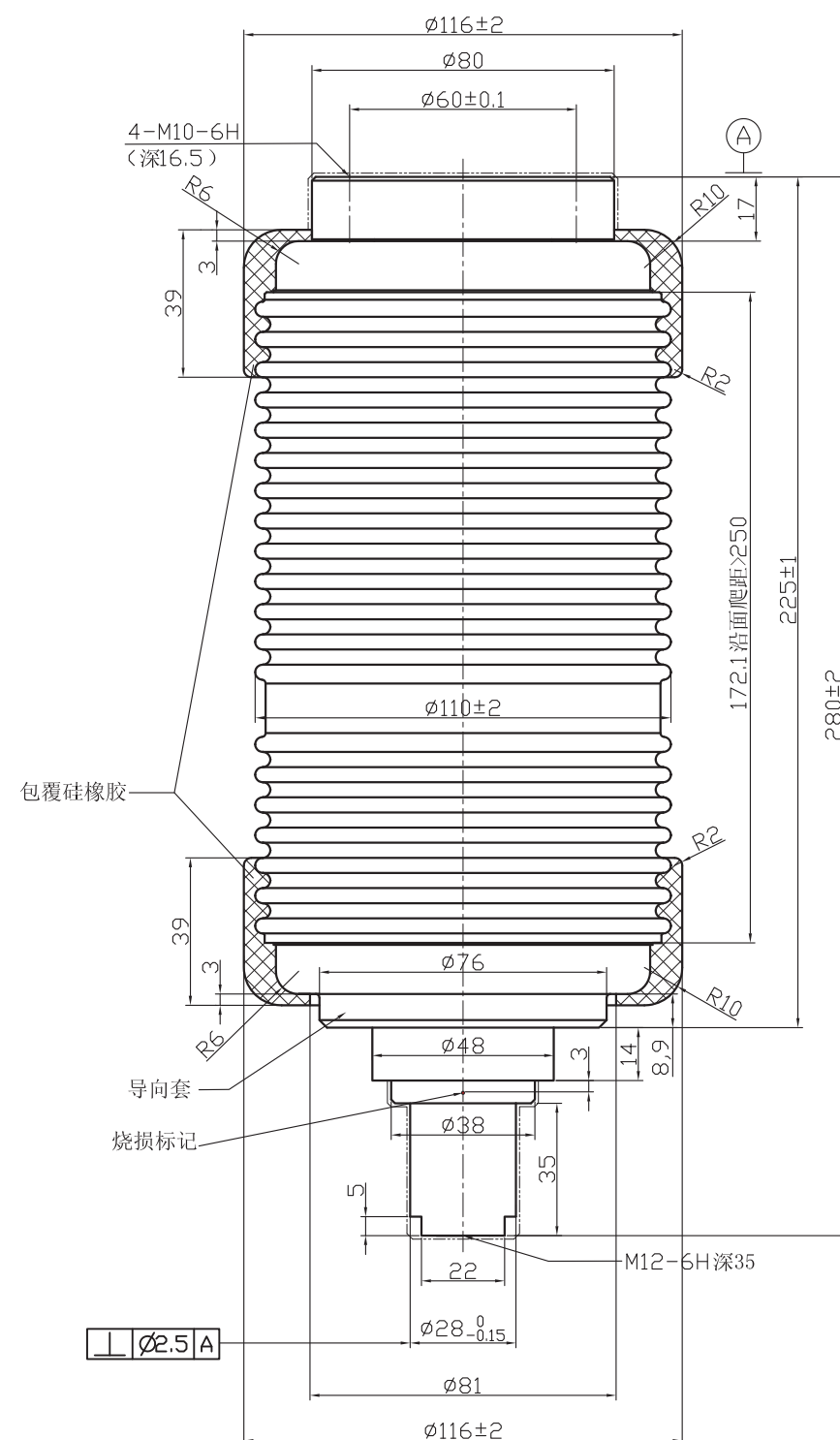


61090-RB (24KV/2500,2000A-31.5KA) 型真空开关管外形图

61090-RB (24KV/2500,2000A-31.5KA) Vacuum Interrupter Drawing



61090-RB (24KV/2500,2000A-31.5KA) 型真空开关管技术参数

61090-RB (24KV/2500,2000A-31.5KA) Vacuum Interrupter Technical Specifications

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

额定电压 Rated voltage	24KV
额定电流 Rated current	2500,2000A
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	65KV/#79KV
雷电冲击耐受电压(峰值) Lightning impulse withstand voltage(peak)	125KV/#150KV
额定触头压力下限时的回路电阻 Circuit resistance at minimum added force	≤ 12 μΩ
机械寿命 Mechanical life	10000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	350 ± 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	7Kg/2.2Kg
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	12 ± 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）	1.1–1.7m/s
平均合闸速度（6mm–触头闭合） Average closing speed（6mm–contact making）	0.8 ± 0.2m/s
触头初压力 Added external contact force at contact touch point	≥2100N
额定触头压力 Added force on closed contacts	3100 ⁺¹⁴⁰⁰ ₋₂₀₀ 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);