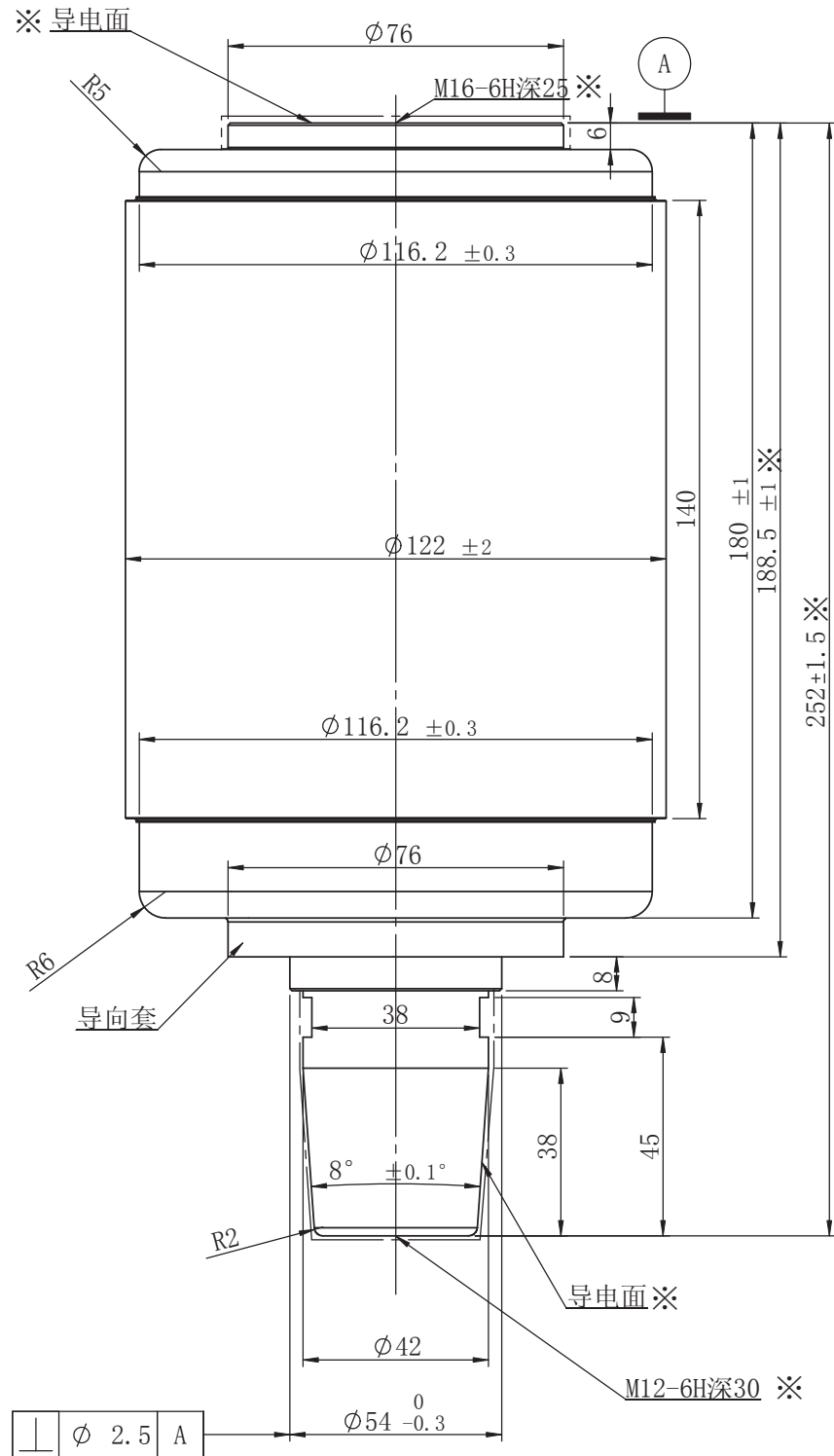


61051 (12KV/3150A-40KA) 型真空开关管外形图  
61051 (12KV/3150A-40KA) Vacuum Interrupter Drawing



61051 (12KV/3150A-40KA) 型真空开关管技术参数  
61051 (12KV/3150A-40KA) Vacuum Interrupter Technical Specifications

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                                                     | 3150A             |
| 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 | 50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      | *55KV             |
| 雷电冲击耐受电压(峰值) Lightning impulse withstand voltage(peak)                 | *90KV             |
| 额定触头压力下限时的回路电阻 Circuit resistance at minimum added force               | 7 ± 1 μΩ          |
| 机械寿命 Mechanical life                                                   | 20000次            |
| 触头自闭力 Closing force due to bellows and atmosphere                      | 200 ± 50N         |
| 额定开距下的触头反力 Force required to hold contacts open at full stroke         | 300 ± 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                                    | 8 ± 1mm                                 |
| 触头接触行程 Contact connection stroke                             | 2+0.5/-1mm                              |
| 平均分闸速度 (0-6mm行程) Average opening speed (0-6mm stroke)        | 1.1 ± 0.2m/s                            |
| 平均合闸速度 (6mm-触头闭合) Average closing speed (6mm-contact making) | 0.6 ± 0.2m/s                            |
| 触头初压力 Added external contact force at contact touch point    | ≥ 3200N                                 |
| 额定触头压力 Added force on closed contacts                        | 4200 <sup>+1600</sup> <sub>-300</sub> 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);  
\*须有外绝缘保护 (With insulation cover) ;