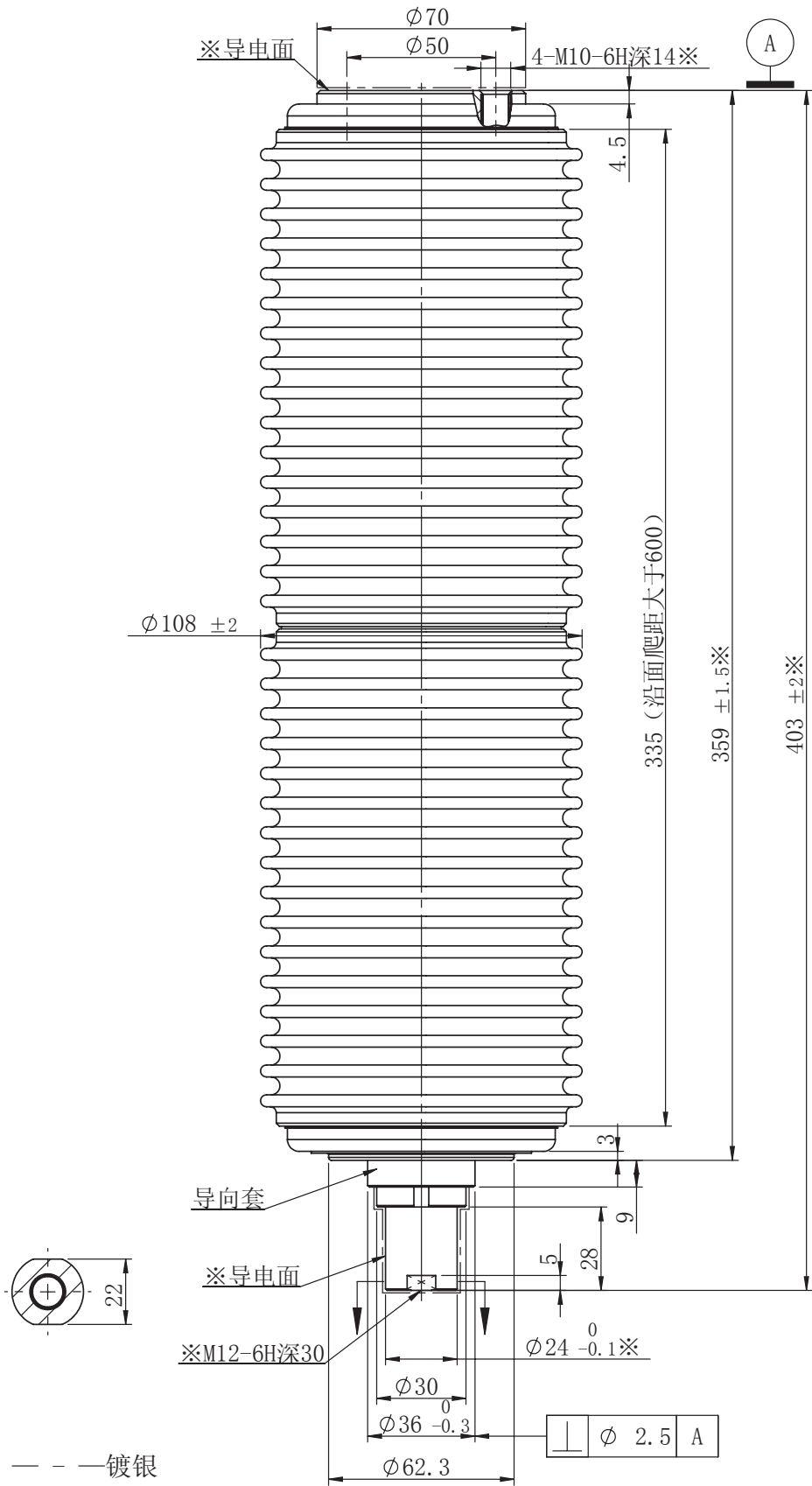




61107G (40.5KV/1250A-20KA) 型真空开关管外形图  
61107G (40.5KV/1250A-20KA) Vacuum Interrupter Drawing



61107G (40.5KV/1250A-20KA) 型真空开关管技术参数  
61107G (40.5KV/1250A-20KA) Vacuum Interrupter Technical Specifications

| 主要技术参数 ( 负荷开关用 ) MAIN TECHNICA DATA ( FOR LOAD-BREAKING SWITCH )                                                                    |              |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 额定电压 Rated voltage                                                                                                                  | 40.5KV       |
| 额定电流 Rated current                                                                                                                  | 1250A        |
| 额定频率 Rated frequency                                                                                                                | 50/60HZ      |
| 短时(1min)工频耐受电压 Short-time(1min) power-frequency withstand voltage                                                                   | 120KV        |
| 雷电冲击耐受电压(峰值) Lightning impulse withstand voltage(peak)                                                                              | *185KV       |
| 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         |
| 额定闭环开断电流Rated closed circuit breaking current                                                                                       | 630A         |
| 额定转移电流Rated transfer current                                                                                                        | 2000A        |
| 额定有功负载开断电流Rated load with power breaking current                                                                                    | 1250A        |
| 额定电缆充电开断电流Rated cable-charging breaking current                                                                                     | 10A          |
| 额定触头压力下限时的回路电阻 Circuit resistance at minimum added force                                                                            | ≤40 μ Ω      |
| 机械寿命 Mechanical life                                                                                                                | 10000次       |
| 触头自闭力 Closing force due to bellows and atmosphere                                                                                   | 135 ± 50N    |
| 额定开距下的触头反力 Force required to hold contacts open at full stroke                                                                      | 210 ± 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                                                                       | 6.8Kg/1.5Kg  |
| 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                                                                                                           | 17 ± 1mm     |
| 触头接触行程 Contact connection stroke                                                                                                    | 4 ± 1mm      |
| 平均分闸速度 ( 0-8mm行程 ) Average opening speed ( 0-8mm stroke )                                                                           | 1.6 ± 0.2m/s |
| 平均合闸速度 ( 8mm-触头闭合 ) Average closing speed ( 8mm-contact making )                                                                    | 0.8 ± 0.2m/s |
| 额定触头压力 Added force on closed contacts                                                                                               | 1000 ± 200N  |
| 触头合闸弹跳时间 Max.bouncing duration                                                                                                      | ≤5ms         |
| 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 ) :<br>*此冲击水平适用于海拔3000m及以下环境(The impulse withstand level can fulfill the requirements at an altitude of 3000m and below); |              |

