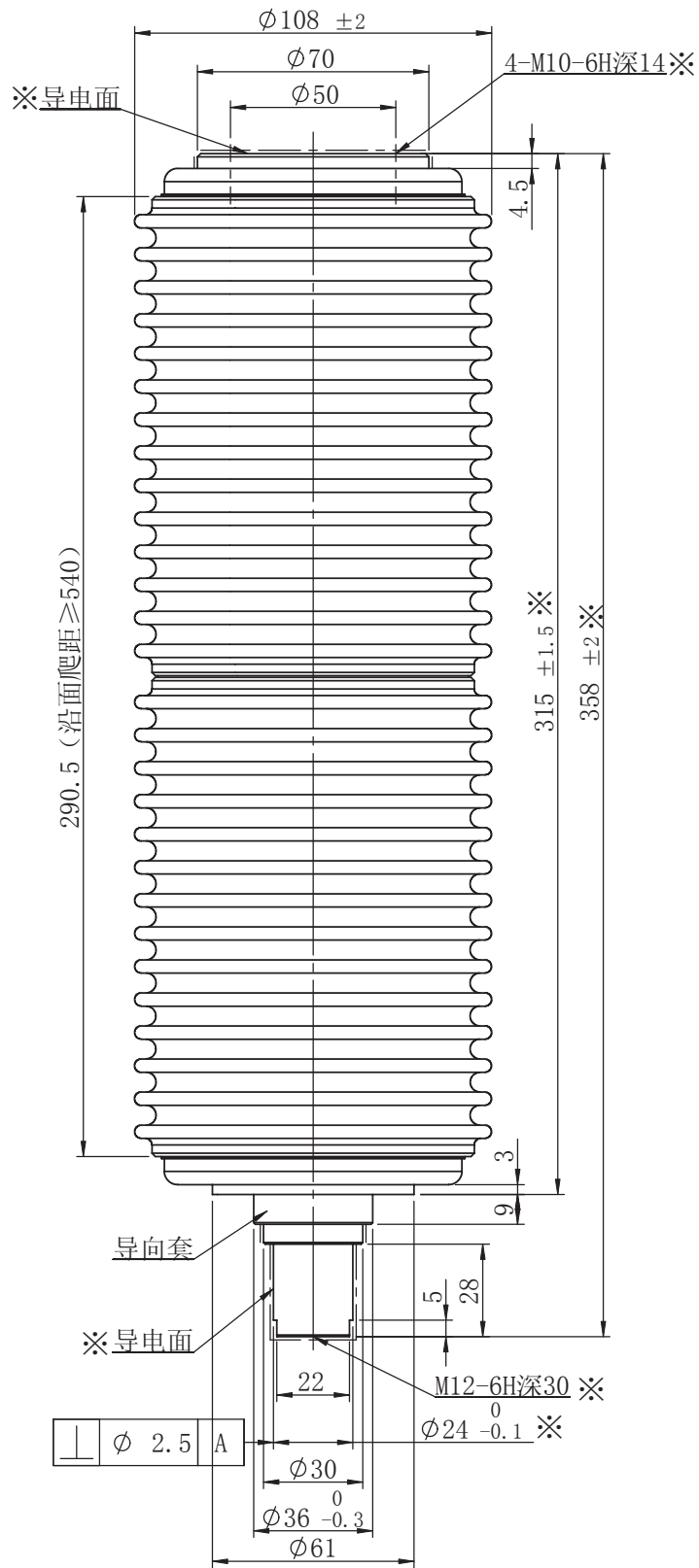


61107F (40.5KV/1250,630A-20KA) 型真空开关管外形图
61107F (40.5KV/1250,630A-20KA) Vacuum Interrupter Drawing



61107F (40.5KV/1250,630A-20KA) 型真空开关管技术参数
61107F (40.5KV/1250,630A-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	1250,630A
额定频率 Rated frequency	50/60HZ
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	$\leq 40 \mu\Omega$
机械寿命 Mechanical life	10000次
触头自闭力 Closing force due to bellows and atmosphere	$135 \pm 50N$
额定开距下的触头反力 Force required to hold contacts open at full stroke	$210 \pm 50N$
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	5.68Kg/1.26Kg

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	$17 \pm 1mm$
触头接触行程 Contact connection stroke	$4 \pm 1mm$
平均分闸速度 (0-8mm行程) Average opening speed (0-8mm stroke)	$1.6 \pm 0.2m/s$
平均合闸速度 (8mm-触头闭合) Average closing speed (8mm-contact making)	$0.8 \pm 0.2m/s$
额定触头压力 Added force on closed contacts	$1000 \pm 200N$
触头合闸弹跳时间 Max.bouncing duration	$\leq 5ms$
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	$\leq 2mm$