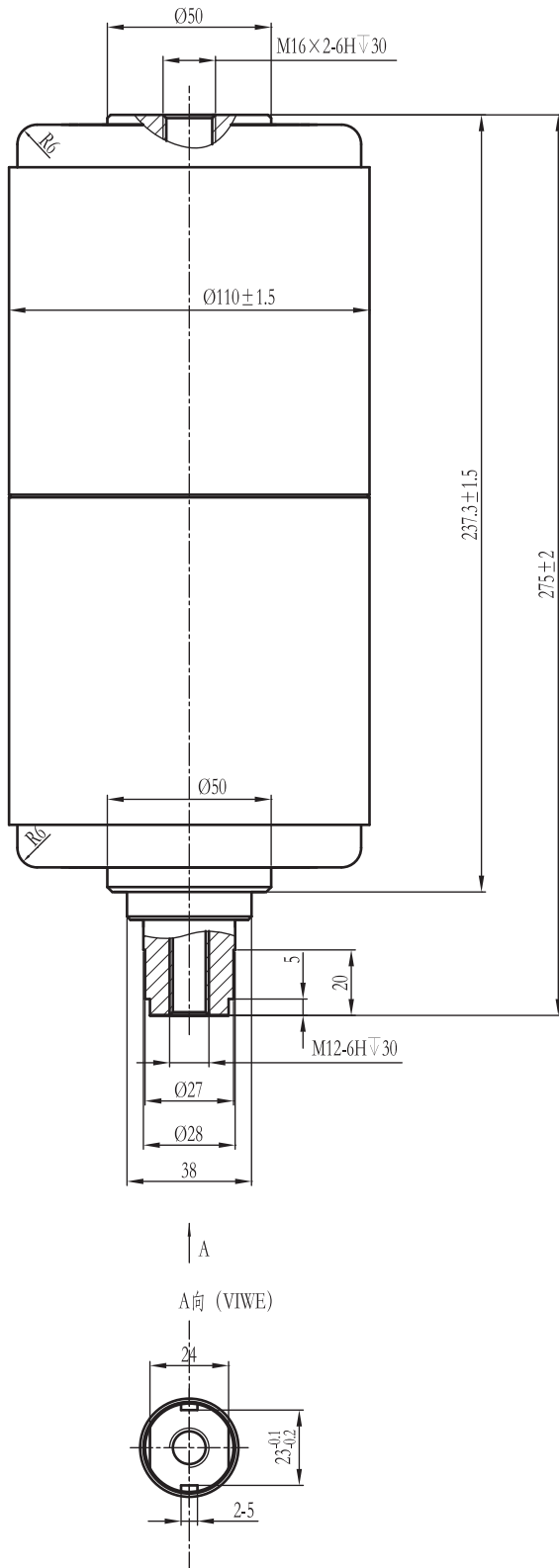


TD-40.5/1600-25 (1085C-GF)



主要技术参数 MAIN TECHNICAL SPECIFICATION

电压参数 VOLTAGE RATINGS AT RATED CONTACT STROKE		
额定频率 Rated Frequency	Hz	50/60
额定电压 Rated Voltage	kV	40.5
额定短时(1min)工频耐受电压 Rated Short-time( 1min) Power-frequency Withstand Voltage	kV	95※
额定雷电冲击耐受电压(峰值) Rated Lightning Impulse Withstand Voltage(Peak)	kV	185※
电流参数 CURRENT RATINGS		
额定电流 Rated Current	A	1600
额定短路开断电流 Rated Short-circuit Breaking Current	kA	25
额定短时耐受电流 Rated Short-time Withstand Current	kA	25
额定短路持续时间 Rated Duration of Short-circuit	s	4
额定峰值耐受电流 Rated Peak Withstand Current	kA	63
额定短路关合电流 Rated Short-circuit Making Current	kA	63
额定短路开断电流开断次数 Breaking Operations of Rated Short-circuit Breaking Current	次 Times	20
额定电缆充电开断电流 Rated Cable-charging Breaking Current	A	50
额定单个电容器组开断电流 Rated Breaking Current of Single Capacitor Bank	A	400/630☆
额定背对背电容器组开断电流 Rated Breaking Current of Back-to-back Capacitor Bank	A	400☆
额定触头压力下限时的回路电阻 Circuit Resistance at Lowest Rated Contact Force	$\mu\Omega$	$\leq 25$
额定操作顺序 Rated Operating Sequency		O-0.3s-CO-180s-CO
机械参数 MECHANICAL DATA		
触头自闭力 Closing Force due to Bellow and Atmosphere	N	$120 \pm 50$
额定开距下的触头反力 Force Required to Hold Contacts Open at Full Stroke	N	$240 \pm 50$
运动部分的质量 Weight of Moving Parts	kg	$\leq 1.5$
配套的真空开关设备应满足的机械参数 MECHANICAL REQUIRMENTS		
触头开距 Clearance Between Open Contacts	mm	$17 \pm 1$
平均分闸速度 Average Opening Speed	m/s	$1.8 \pm 0.2$
平均合闸速度 Average Closing Speed	m/s	$0.8 \pm 0.2$
额定触头压力 Rated Added External Contact Final Force	N	$3000 \pm 300$
触头合闸弹跳时间 Contact Bouncing at Closing Operation	ms	$\leq 3$
触头合闸和分闸不同期 Closing and Opening Non-simultaneity of Three-phase Contacts	ms	$\leq 1$
分闸触头反弹幅值 Maximum Rebound During Opening	mm	$\leq 2$
寿命 LIFE		
机械寿命 Mechanical Endurance	次 Times	10000
触头允许磨损厚度 Contacts Limit Erosion	mm	3
允许储存期 Shelf Life	年 years	20
内部气体压力 Internal Gas Pressure	Pa	$< 1.33 \times 10^{-3}$
备注：※额定绝缘测试需外绝缘保护，如SF6气体、油或固体绝缘材料等； Notes: ※Rated insulation values require external insulation, such as SF6 oil or solid dielectric material etc. ☆为需要时提供的额定参数。 ☆Rated characteristics to be given on request.		