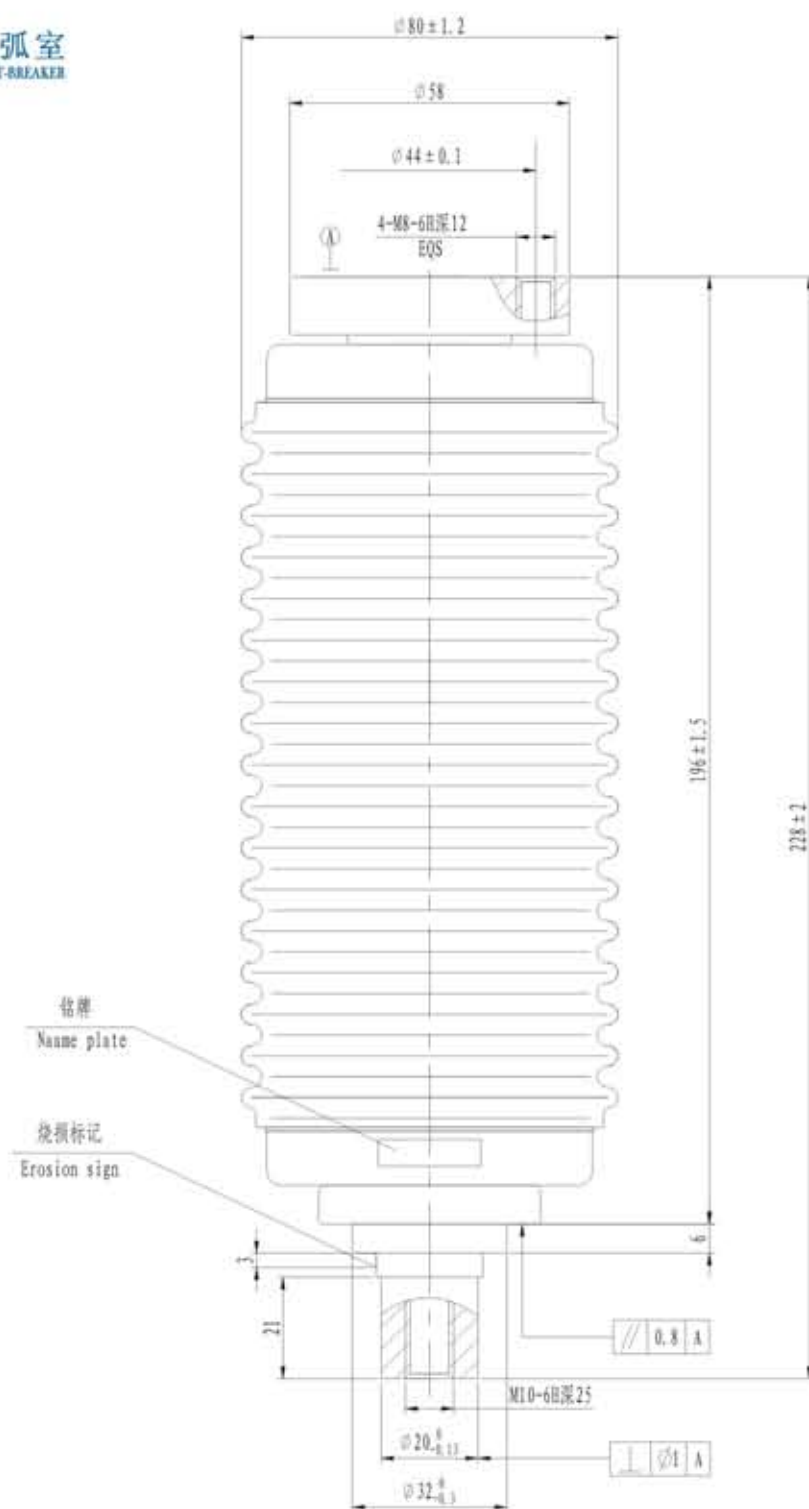


TD-12/630-20D

型断路器用真空灭弧室
CERAMIC VACUUM INTERRUPTER FOR CIRCUIT-BREAKER



真空灭弧室技术参数说明

Technical Specification of Vacuum Interrupter

序号 No.	主要技术参数 Main Technical Specification	型号 Type TD-12/630-20D
电气参数 ELECTRIC RATINGS		
1	额定电压 Rated Voltage	kV 12
2	额定电流 Rated Current	A 630
3	额定频率 Rated Frequency	Hz 50/60
4	额定短路开断电流 Rated short-circuit breaking Current	kA 20
5	额定短路关合电流 Rated short-circuit making Current	kA 50
6	额定峰值耐受电流(在额定触头压力下) Rated peak withstand current	kA 50
7	额定短时耐受电流 Rated short-time withstand current	kA 20
8	额定短路持续时间 Rated duration of short-circuit	S 4
9	额定短时(1分钟)工频耐受电压 Rated short-time(1min) power-frequency withstand voltage	kV 42
10	雷电冲击耐受电压 Lightning impulse withstand voltage	kV 75
11	额定操作顺序 Rated operating sequence	O-0.3S-CO-180S-CO
12	额定触头压力下限时的回路电阻 Circuit resistance at lowest rated contact force	$\mu\Omega$ ≤ 25
寿命 LIFE		
1	额定短路开断电流开断次数 Breaking operations of rated short circuit breaking current	Times ≥ 30
2	机械寿命 Mechanical endurance	Times 10,000
3	储存时间 Storage life	years ≥ 20
4	触头允许磨损厚度 Contacts limit erosion	mm 3
机械数据 MECHANICAL DATA		
1	触头自闭力 Closing force due to bellows and atmosphere	N 80 ± 30
2	触头反力 Counterforce of Contacts at Full Stroke	N 150 ± 40
3	运动部分的质量 Weight of movable parts	kg 0.6
配套的真空开关设备应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS		
1	触头开距 Clearance between open contacts	mm 9 ± 1
2	超行程 Overtravel	mm 3
3	平均分闸速度(在起始75%开距时) Average opening speed(average of first 75% of contact gap)	m/s 1.1 ± 0.2
4	平均合闸速度(在最终30%开距时) Average closing speed(average of last 30% of contact gap)	m/s 0.6 ± 0.2
5	额定触头压力 Rated added external contact final force	N 2000 ± 200
6	触头合闸弹跳时间 Contact bouncing duration at closing operation	mS ≤ 2
7	触头合闸和分闸不同期 Closing and Opening non-simultaneity of three-phase Contacts	mS ≤ 2
8	分闸触头反弹幅值 Maximum Rebound during opening	mm ≤ 2