



序号 No.	主要技术参数 Main Technical Specification	型号 Type	
		TD-12/1600-31.5A	
电气参数 ELECTRIC RATINGS			
1	额定电压 Rated Voltage	kV	12
2	额定电流 Rated Current	A	1600
3	额定频率 Rated Frequency	Hz	50/60
4	额定短时(1分钟)工频耐受电压 Rated Short-time(1min) Power-Frequency Withstand Voltage	kV	42*
5	额定触头压力下限时的回路电阻 Circuit Resistance At Lowest Rated Contact Force	$\mu\Omega$	$\leq 18$
6	雷电冲击耐受电压 Lightning Impulse Withstand Voltage	kV	75*
7	额定短路开断电流 Rated Short-circuit Breaking Current	kA	31.5
8	额定短时耐受电流 4秒 Rated Short-time Withstand Current, 4s	kA	31.5
9	额定峰值耐受电流 Rated Peak Withstand Current	kA	80
10	额定短路关合电流 Rated Short-circuit Making Current	kA	80
寿命 LIFE			
1	机械寿命 Mechanical Life	Times	10,000
2	额定短路开断电流开断次数 Breaking Operations of Rated Short-circuit Breaking Current	Times	30
3	储存时间 Storage Life	years	$\geq 20$
4	触头允许磨损厚度 Contacts Erosion Limit	mm	3
机械数据 MECHANICAL DATA			
1	触头自闭力 Contact Force From Atmosphere	N	130 $\pm$ 50
2	触头反力 Counterforce of Contacts at Full Stroke	N	180 $\pm$ 50
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 Contact Stroke	mm	6 $\pm$ 1
2	超行程 Overtrave	mm	3 $\pm$ 1
3	平均分闸速度 Average Opening Speed	m/ s	1.1 $\pm$ 0.2
4	平均合闸速度 Average closing speed	m/ s	0.6 $\pm$ 0.2
5	触头合闸弹跳时间 Contact Bouncing Duration at Closing Operation	ms	$\leq 2$
6	额定触头压力 Rated Added External Contactfinal Force	N	3000 $\pm$ 200
说明 Notes *绝缘介质中 *In External Insulation			

# TD-12/1600-31.5A

## 型断路器用真空灭弧室

Vacuum Interrupter For Circuit-Breaker

