

TD-24/1250-20 型真空开关管技术参数

序号 No.	主要技术参数 Main Technical Specification		型号 Type
			TD-24/1250-20
电气参数 ELECTRIC RATINGS			
1	额定电压 Rated Voltage	kV	24
2	额定电流 Rated current	A	1250
3	额定频率 Rated frequency	Hz	50/60
4	短时 (1min) 工频耐受电压 Short-time (1min) power-frequency withstand voltage	kV	65*
5	额定触头压力下的回路电阻 Circuit resistance at rated contact force	$\mu\Omega$	≤ 15
6	雷电冲击耐受电压 (峰值) Lighting impulse withstand voltage (peak)	kV	125*
7	额定短路开断电流 Rated short-circuit breaking current	kA	20
8	额定短时耐受电流 (4秒) Rated short-time withstand current (4s)	kA	20
9	额定峰值耐受电流 Rated peak withstand current	kA	50
10	额定短路关合电流 Rated short-circuit making current	kA	50
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 Operations of short-circuit breaking current interruption	Times	30
3	触头允许磨损厚度 Contact erosion permission length	mm	3
4	贮存期 Shelf life	years	≥ 20
机械数据 MECHANICAL DATA			
1	触头自闭力 Contact closing force due to bellows and atmosphere	N	130 ± 30
2	额定开距下的触头反力 Counterforce at rated contact stroke	N	180 ± 30
配套的真空开关管设备应满足的机械参数 MECHANICAL DATA OF VACUUM SWITCH EDIPPED WITH THE INTERRUPTERS			
1	触头开距 Rated contact stroke	mm	$10.5 \pm 0.5\text{mm}$
2	超行程 Overtrave	mm	3 ± 1
3	平均分闸速度 Average opening speed	m/s	$1.1-1.5\text{m/s}$
4	平均合闸速度 Average closing speed	m/s	$0.8-1.2\text{m/s}$
5	触头合闸弹跳时间 Bounce duration of contact closing	ms	≤ 2
6	额定触头压力 Rated operation pressue of contact	N	2000 ± 200

*须有外绝缘保护 (with insulation cover)

