



借(通)用件登记  
CAD 制图

旧底图总号

底图总号

签 名

日 期

					Vacuum Interrupter			
					TD-12/1250-31.5 (JUC619A)			
					TD-12/1600-31.5 (JUC619)			
标记	处数	更改文件名	签字	日期	图号	8. 996. 203	TD-1250/12-31.5	比例
设计			审定		共 1 张	第 1 张		1: 1.5
校对			(批准)		HUBEI JUCRO ELECTRIC CO., LTD.			
工艺			制图					
标准化			日期					

**Model No.: TD-12/1600-31.5(JUC619)****主要项目的技术参数 Main technical parameters**

<b>Items</b>	<b>Value</b>
额定电压 Rated voltage	12KV
额定电流 Rated current	1600A
额定频率 Rated frequency	50Hz
额定短时工频耐受电压(1min)* Rated power frequency withstand voltage	48kV
额定雷电冲击耐受电压* Rated lightning impulse withstand voltage	85kV
额定短路开断电流 Rated short circuit breaking current	31.5KA
额定短路关合电流 (峰值) Rated short circuit making current(peak value)	80KA
额定短路开断电流开断次数 Breaking operations under rated short circuit breaking current	30 times
额定短时耐受电流 Rated short time withstand current	31.5kA
额定峰值耐受电流 Rated withstand current(peak value)	80kA
额定短路持续时间 Rated duration of short circuit	4s
机械寿命 Mechanical life	10000 times
触头自闭力 Closing force due to bellows and atmosphere	120±50N
额定开距下触头反力 Force required to hold contacts opening at full stroke	190±50N
额定触头压力下限时的回路电阻 Circuit resistance at lowest rated contacts force	≤20μΩ
贮存期 Storage life	20 years
触头允许磨损厚度 Limiting abrasion of contacts	3mm

**配用的真空断路器的机械参数 Mechanical requirements of vacuum circuit breaker**

Items	Value
触头开距 Clearance between opening contacts	11±1mm
平均分闸速度 (触头闭合位置~75%开距) Average opening speed(Contacts closing position~75% contacts opening distance)	1.1±0.2 m/s
平均合闸速度(30%开距~触头闭合位置) Average closing speed(30% contacts opening distance~contacts closing position)	0.6±0.2 m/s
额定触头压力 Rated contacts pressure	3150±200N
触头合闸弹跳时间 Contacts bouncing duration at closing operation	≤2ms
触头分闸反弹幅值 Contacts re-bouncing clearance at opening operation	≤2mm
三相同期性 Synchronism of three phases	≤1ms

**Remarks:**

1. \* 需外绝缘保护。  
\* It Needs additional insulating protection.