



| 序号 No. | 主要技术参数 Main Technical Specification | 型号 Type | |
|--|---|------------------|----------------|
| | | TD-12/1250-31.5E | |
| 电气参数 ELECTRIC RATINGS | | | |
| 1 | 额定电压 Rated Voltage | kV | 12 |
| 2 | 额定电流 Rated Current | A | 1250 |
| 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 | $\mu\Omega$ | ≤ 20 |
| 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 | ≥ 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 ± 50 |
| 2 | 触头反力 Counterforce of Contacts at Full Stroke | N | 190 ± 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 | 10 ± 1 |
| 2 | 超行程 Overtrave | mm | 3 ± 1 |
| 3 | 平均分闸速度 Average Opening Speed | m/ s | 1.1 ± 0.2 |
| 4 | 平均合闸速度 Average closing speed | m/ s | 0.6 ± 0.2 |
| 5 | 触头合闸弹跳时间 Contact Bouncing Duration at Closing Operation | ms | ≤ 2 |
| 6 | 额定触头压力 Rated Added External Contactfinal Force | N | 3100 ± 200 |



TD-12/1250-31.5E

型断路器用真空灭弧室

Vacuum Interrupter For Circuit-Breaker

