



| 序号<br>No.  | 主要技术参数<br>Main Technical Specification                                      | 型号 Type        |                |
|--|---|----------------|----------------|
|  |   | TD-12/1250-25J |                |
| 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<br>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<br>Circuit Resistance At Lowest Rated Contact Force          | $\mu\Omega$    | $\leq 25$      |
| 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             | 25             |
| 8  | 额定短时耐受电流 4秒 Rated Short-time Withstand Current, 4s                          | kA             | 25             |
| 9  | 额定峰值耐受电流 Rated Peak Withstand Current                                       | kA             | 63             |
| 10   | 额定短路关合电流 Rated Short-circuit Making Current                                 | kA             | 63             |
| 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<br>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              | $120 \pm 30$   |
| 2  | 触头反力 Counterforce of Contacts at Full Stroke                                | N              | $180 \pm 40$   |
| 配套的真空开关设备应满足的机械参数<br>MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS |   |                |                |
| 1  | 触头开距 Contact Stroke   | mm             | $9 \pm 1$      |
| 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              | $2400 \pm 150$ |



# TD-12/1250-25J

## 型断路器用真空灭弧室

Vacuum Interrupter For Circuit-Breaker

