

# ZN54-12/T1000-25户内真空断路器

## ZN54-12/T1000-25 indoor vacuum circuit-breaker

中压元件  
M.V. Apparatus



### 用途:

ZN54-12/T1000-25户内真空断路器（以下简称断路器）适用于额定电压12kV三相交流50Hz的供电网络中，作为开断额定短路电流之用，特别适用于末端用电量较大、不检修及频繁操作的场所。

### 特点:

- 隔离开关、断路器设计为为一体的整体结构。
- 开断能力大，电寿命长。
- 可手动和电动操作。
- 安全可靠，少维护。
- 产品符合IEC56、GB1984、JB3855、DL/T403等标准。

### Application:

**ZN54-12/T1000-25 indoor vacuum circuit-breaker** applies to the three-phase supply network with the rated voltage of 12kV, and the frequency of AC 50Hz, for breaking rated short-circuit current. It especially applies to the situations where the terminal power use is great, there is no inspection, and it is frequently operated.

### Characteristics:

- The disconnector and the circuit-breaker are designed to be an integrated whole structure.
- The breaking capacity is large, and the electrical endurance is long.
- It can be operated manually and electrically.
- Safe and reliable, with little maintenance.
- The product conforms to such standards as IEC56, GB1984, JB3855 and DL/T403.

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### 主要技术参数 Major technical parameters

序号 S/N	项目 Items	单位 Unit	技术参数 Technical Parameters
1	额定电压 Rated voltage	kV	12
2	额定电流 Rated current	A	1000
3	额定频率 Rated frequency	Hz	50
4	额定绝缘水平 Rated insulation level	1min工频耐受电压 1 min power-frequency withstand voltage	42 (相间、相对地)、48 (断口) 42(between phases, to earth), 48(across the isolation distance)
		雷电冲击耐受电压 Lightning impulse withstand voltage	75 (相间、相对地)、85 (断口) 75(between phases, to earth), 85(across the isolation distance)
5	额定短路开断电流 Rated short-circuit breaking current	kA	25
6	4s短时耐受电流 4s short-time withstand current	kA	25
7	额定峰值耐受电流 Rated peak withstand current	kA	63
8	额定短路关合电流 Rated short-circuit making current	kA	63
9	额定操作顺序 Rated operating sequence		分—0.3s—合分—180s—合分 O—0.3s—CO—180s—CO
10	全开断时间 Complete breaking time	ms	≤70
11	机械寿命 Mechanical endurance	次 Times	10000
12	额定短路电流开断次数 Rated short-circuit current breaking times	次 Times	20
13	真空灭弧室真空度 The vacuum degree of the vacuum interrupter	Pa	不低于 $6.6 \times 10^{-2}$ Do not be lower than $6.6 \times 10^{-2}$
14	储能电机功率 The output of the stored energy motor	W	30
15	重量 Weight	kg	80
16	外形尺寸：宽×深×高 Dimension: W×D×H	mm	640×460×990