

## 产品特点 Features

ZW32-12型户内外真空断路器(以下简称断路器)为额定电压12kV, 三相交流50Hz的户外配电设备。主要用于开断、关合电力系统中的负荷电流、过载电流及短路电流。适用于变电站及工矿企业配电系统中作保护和控制之用, 及农村电网频繁操作的场所。

本断路器具有体积小、重量轻、防凝露、免维护等特点, 能适应较恶劣的气候条件和污秽环境。

ZW32-12 indoor and outdoor vacuum circuit breaker (hereinafter referred to as "circuit breakers") for the rated voltage of 12kV, three-phase AC 50Hz outdoor distribution equipment. Mainly used for breaking and closing the power system load current, overload current and short circuit current. For substation and industrial and mining enterprises in the distribution system protection and control purposes, and the frequent operation of rural power grids.

The circuit breaker has small size, light weight, anti-condensation, maintenance-free characteristics, can adapt to poor weather conditions and dirty environments.

## 产品标准 Product of standard

GB1984《交流高压断路器》

GB11022《高压开关设备和控制设备标准的共同技术要求》

GB311.1-6《高压输变电设备的绝缘配合》

GB763《交流高压电器在长期工作时的发热》

GB2706《交流高压电晕、热稳定实验方法》

GB3309《高压开关设备在常温下的机械试验》

DL/T593《高压开关设备的共同订货技术条件》

## 型号含义 Type meaning

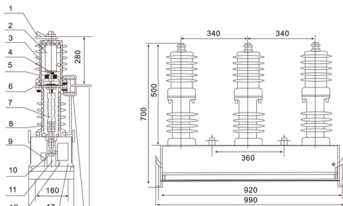


## 技术参数 Technology parameter

序号 NO.	名称 Name	单位 Unit	数据 Data
1	额定电压 Rated voltage	kV	12
2	额定频率 Rated frequency	Hz	50
3	额定电流 Rated current	A	630
4	额定短路开断电流 Rated short-circuit breaking current	kA	20
5	额定峰值耐受电流(峰值) Rated peak value withstand current(peak)	kA	50
6	额定短时耐受电流 Rated short-circuit withstand current	kA	20
7	额定短路关合电流(峰值) Rated short-circuit making current(peak)	kA	50
8	机械寿命 Mechanical life	次time	10000
9	额定短路开断电流开断次数 Rated short-circuit current breaking time	次time	30
10	工频耐受电压(1min):相间、对地/断口 Power frequency withstand voltage(1min):phase to phase to ground/fracture	kV	42/48
11	雷电耐受冲击电压(峰值):相间、对地/断口 Lightning impulse withstand voltage(peak value):phase to phase to ground/fracture	kV	75/85
12	二次回路1min工频耐压 Secondary circuit 1min lightning impulse withstand voltage	kV	2

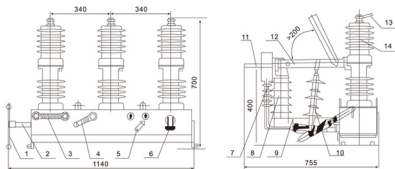
## 外形尺寸及安装图

## Outline and installation dimensions



图一、ZW32—断路器结构及外形尺寸

- |                               |                            |                             |                           |                                  |
|-------------------------------|----------------------------|-----------------------------|---------------------------|----------------------------------|
| 1. 上出线<br>On the outlet       | 4. 下出线<br>Under the outlet | 7. 绝缘拉杆<br>Insulated rod    | 10. 驱动连板<br>Drive         | 13. 机构箱<br>Mechanism box         |
| 2. 灭弧线<br>Off arc             | 5. 导电夹<br>Conductivclip    | 8. 触头压力簧<br>Pressure spring | 11. 机构输出轴<br>Output shaft | 14. 电流互感器<br>Current transformer |
| 3. 绝缘筒<br>Insulation cylinder | 6. 软联结<br>Soft links       | 9. 分闸弹簧<br>Opening spring   | 12. 操动机构<br>Actuator      |                                  |



- |                             |                                       |                                 |                            |                             |
|-----------------------------|---------------------------------------|---------------------------------|----------------------------|-----------------------------|
| 1. 操作手柄<br>Operating handle | 4. 断路器储能手柄<br>Breaker charging handle | 7. 电流互感器<br>Current transformer | 10. 绝缘拉杆<br>Insulated rod  | 13. 接线板(出线端)<br>Outlet side |
| 2. 隔离主轴<br>Isolated spindle | 5. 分合批示<br>Division instructions      | 8. 绝缘子<br>Insulator             | 11. 接线板(进线端)<br>Inlet side | 14. 断路器<br>Breaker          |
| 3. 断路器<br>Breaker           | 6. 接线插头<br>Wiring plug                | 9. 隔离架<br>Isolation frame       | 12. 隔离刀片<br>Isolated blade |                             |