



ZW32-24/630-20 Catalogue

Outdoor high vacuum circuit breaker



For Reliable, Secure and Economical Energy System Operation

Dongfang Electronics International Engineering Co., Ltd.

Dongfang Electronics Co., Ltd.



1. General Overview

This manual is not a substitute for the operating procedures of electrical equipment and cannot contain all safety rules for electrical installation and operation. The users must follow the safety rules for high-voltage operation of electrical systems and strictly comply with their provisions. Otherwise, the company will not be responsible for any accidents caused by them.

This manual is a general version, the actual parameters of the product may be different from this manual. In this case, the product order shall prevail.

1.1 Application

ZW32-24 series outdoor high vacuum circuit breaker is outdoor power distribution equipment with rated voltage 24kV and three-phase AC 50Hz. It is mainly used to open and close the load current, overload current and short-circuit current in the power system. It is suitable for protection and control in substations and distribution systems of industrial and mining enterprises, and

more suitable for rural power grids and places of frequent operation.

This instruction manual specifies the referenced standards for circuit breakers, environmental conditions for use, model and rated parameters, structural features, operating principles, ordering instructions, and the principles and methods of operation, installation, use and maintenance.

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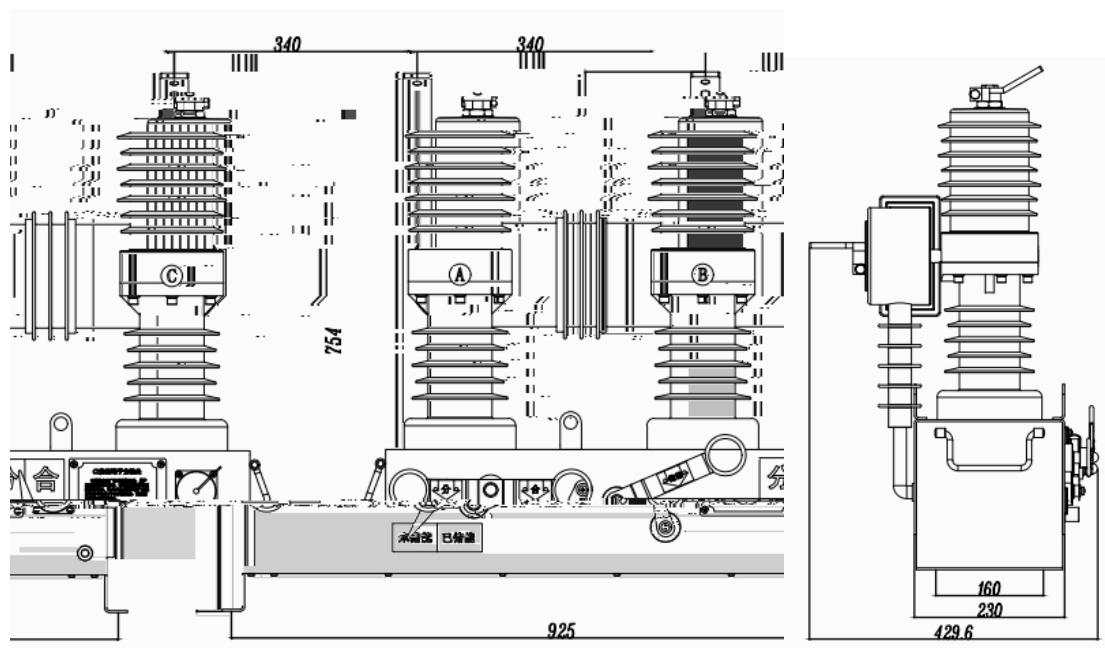
1DPH

8QLW

6WDQG DUG SDUD



1.4 Equipment size





1.5 Main technical parameters

Main technical parameters of circuit breaker

Main mechanical characteristics of circuit breakers

No.	Item	Unit	Value
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4. Installation and commissioning

"WARNING": When lifting and installing equipment, follow local recommendations for safe operation. Please use the lifting ring on the circuit breaker. Please lift the equipment

smoothly to ensure that the center of gravity of the breaker does not shift and that the breaker is not allowed to swing significantly. Improper lifting may result in equipment damage.

4.1 Lifting of equipment

ZW32-24 circuit breaker in the process of transport should be maintained in the closed position, shall not be turned upside down, lifting hooks must be hooked in the ZW32-24

circuit breaker lifting ring, and maintain the level of lifting, with special attention to the lifting rope can not act directly on the sleeve.

4.2 Fixing of equipment

ZW32-24 circuit breaker is suitable for most of the standard mounting brackets, the user can provide their own mounting brackets, or

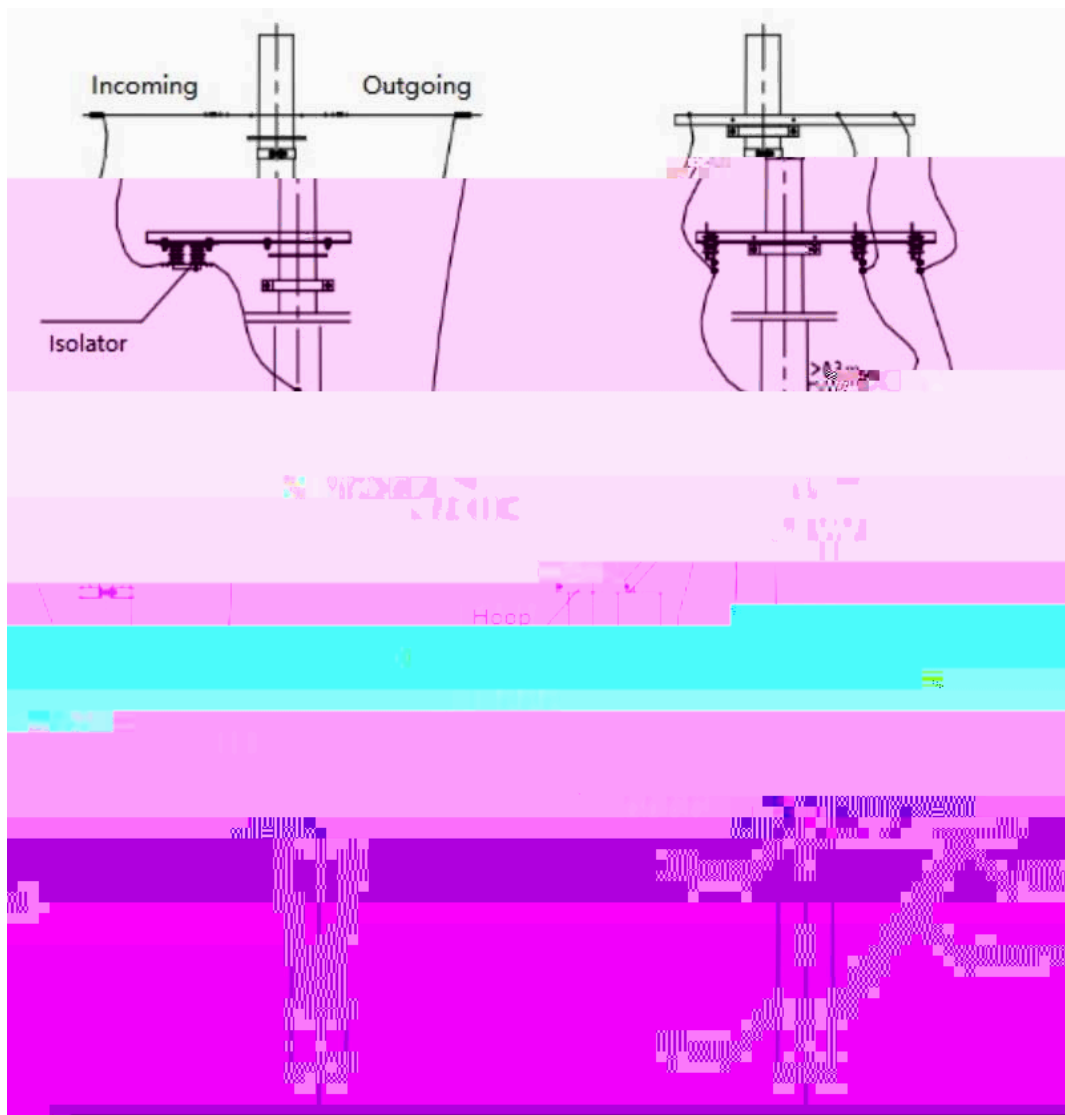
the manufacturer can provide mounting bracket accessories to fix the ZW32-24 circuit breaker mounting bracket on the pole.

4.3 On-site installation guidance

- A. Delivery to the site for vertical mounting tests of the circuit breakers as required;
- B. Ensuring that the poles are strong enough to support the circuit breakers;
- C. Mount the mounting bracket of the ZW32-24 circuit breaker firmly on the pole;
- D. Lifting the ZW32-24 circuit breaker to a suitable position ± 5mm

Vertical lifting

Installation schematic





5. Application and Maintenance

"WARNING": The user must select the circuit breaker correctly for the purpose for which it is to be used. The circuit breaker must be properly installed and operated by personnel who are trained and familiar with the installation procedures. These safety

warnings are not a substitute for proper safety training and a certain level of safety experience. Incorrect selection, installation or maintenance of the switch may result in death or serious personal injury.

Application

Before the circuit breaker is put into operation, the rated voltage and rated current of each operating element should be carefully checked to see if they match the actual situation, and operated with the closing and dividing mode

that the mechanism has to check if the indicators are correct. If the supporting controller is used, it is necessary to confirm

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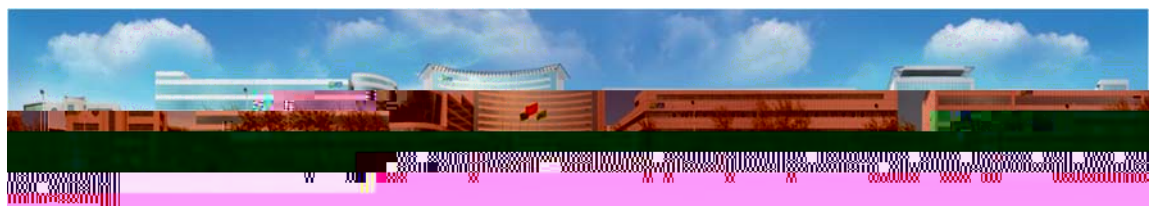
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