

Container type capacitor installation

■ Application

Container type stages switching high voltage shunt capacitor installation, adopts vacuum contactor or vacuum circuit breaker and voltage & reactive power automatic control device to achieve automatic voltage adjustment, reactive compensation, voltage pass rate and power factor improvement. It has the characteristics such as safe & reliable, flexible, full use of capacitor capacity, improve the usage efficiency.

This device is suitable for power plant and substation with voltage level not higher than 220kV in electric bureau and large mining enterprise, the automation and reliability degree is high, it could also cooperate with substation integrated automatic monitoring device to achieve unattended operation.

■ Technical Performance

1. Rated voltage: 6~35kV
2. Rated frequency: 50Hz, 60Hz
3. Capacitance tolerance: 0~+5%
4. The ratio of max. capacitance to min. capacitance of three phase: ≤ 1.02
5. Highest IP degree: IP54
6. The installation could continuously operate under 1.05 times rated voltage and 1.37 times rated current.

■ Executive Standard

IEC 60871

■ Service Condition

1. Outdoor use, the altitude above sea level of mounting area does not exceed 1000m (if higher than 2000m, it is necessary to make an explanation when ordering).
2. The ambient temperature of mounting area should be $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$ (if operating under exceptional environment, it is necessary to make an explanation when ordering).
3. Relative humidity: daily average not greater than 95%, monthly average not greater than 90%
4. There should be no conductive or explosive dust, no harmful gas and vapor, no severe mechanical vibrations in mounting area.

Product Characteristic

1. High adaptability

The container material could be , coated with aluminum zinc plate, stainless steel plate and normal steel plate; and the ventilation system and anti-condensation design could guarantee the operation under harsh environment, suitable for raining, high and low temperature application.

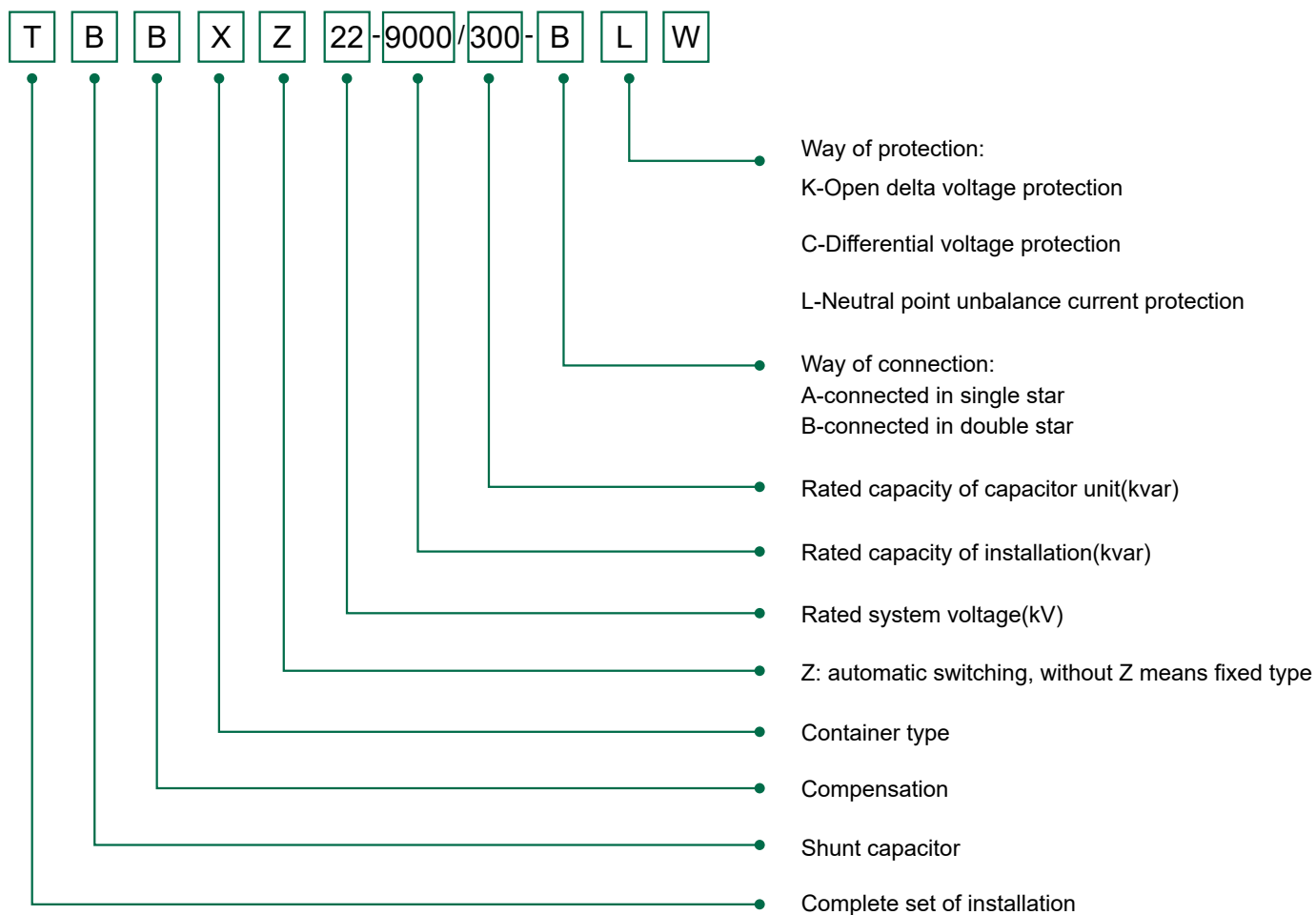
2. Complete communication function

RS232, RS485 and IEC61850 serial communication ports, it could meet the multiple management modes requirement such as unattended operation, centralized control by communicating with other monitoring device in the substation to form the substation integrated automation system.

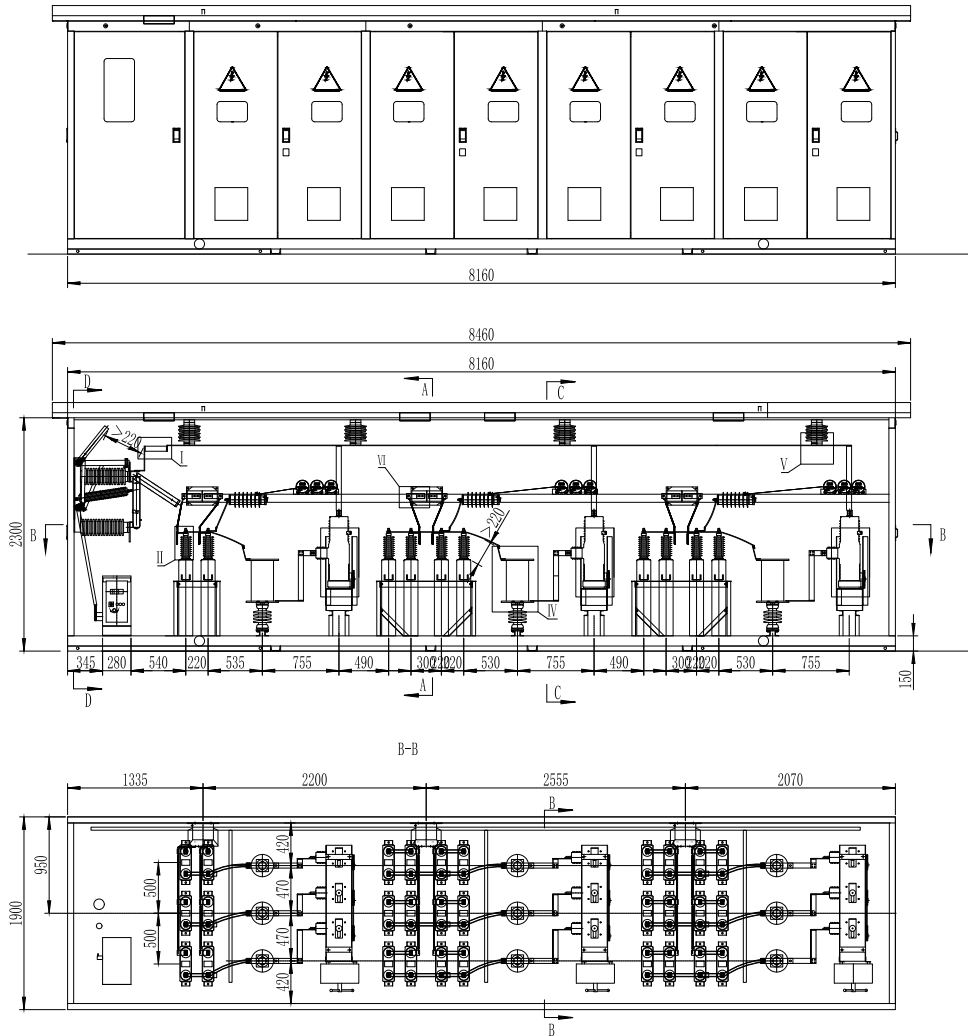
3. Safe and reliable

The installation has over temperature, over voltage alarm protection and internal fault blocking function. It also has the good five-protection interlock performance, the incoming disconnector and the cabinet door can't be opened during the operation, thus ensure the personal safety.

Type and explanation



● 22kV , 9Mvar container type capacitor installation



All dimensions in mm

