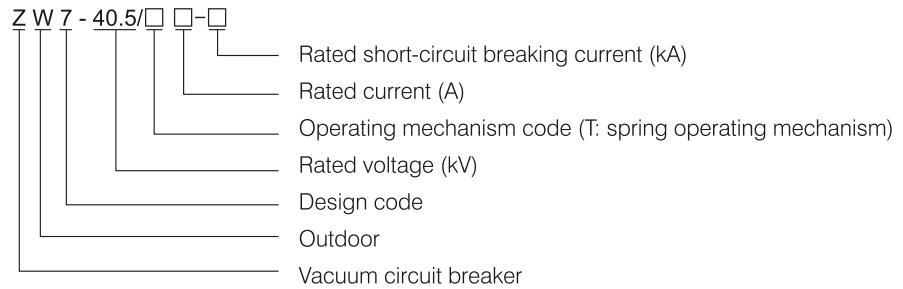


ZW7-40.5 Vacuum Circuit Breaker, Outdoor Type

1. General

- 1.1 Ratings: voltage up to 40.5kV, current up to 2000A, AC50Hz.
- 1.2 Application: for making & breaking load current, overload current and short-circuit protection of electric systems and equipments.
- 1.3 Standard: IEC62271-100

2. Type and Interpretation



3. Working Condition

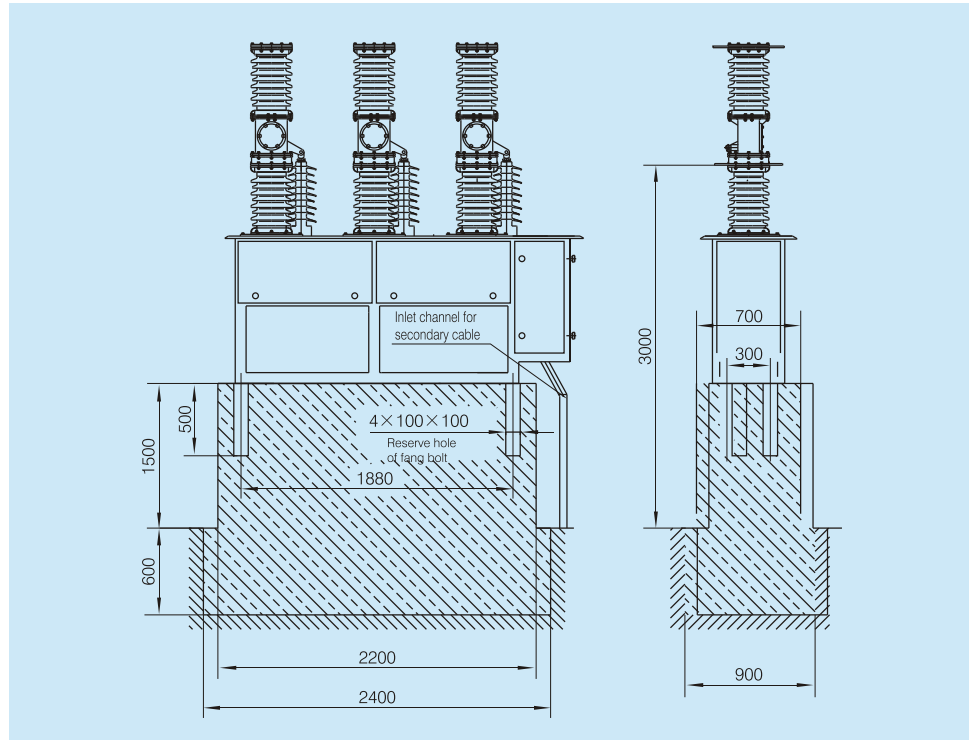
- 3.1 Ambient air temperature:-25 ~ +40°C
 - 3.2 The influence of sunshine radiation when 1000W/m² should be taken into consideration.
 - 3.3 Altitude: ≤2000m
 - 3.4 Pollution level: ≤ III
 - 3.5 Wind speed: ≤34m/s (Equal to 700Pa over cylindrical surface)
 - 3.6 The external shocking and earthquake could be neglected.
 - 3.7 The amplitude of electromagnetic interference in the secondary system ≤1.6kV.
- ※ Note: Customized products for other special working conditions are available on your requirements.

4. Main Technical Parameter

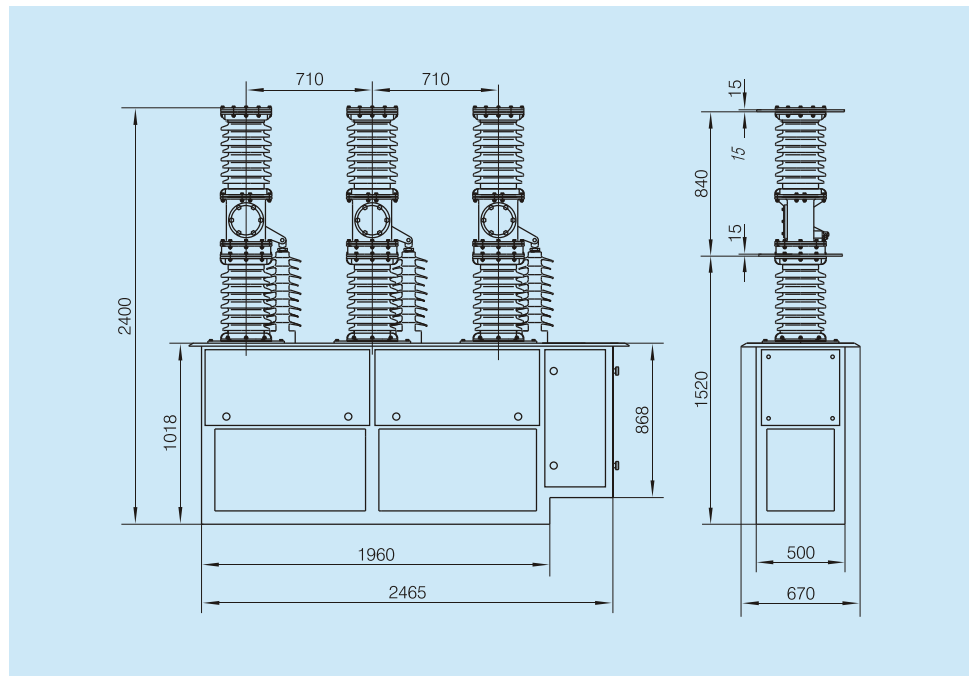
Item	Unit	Parameter		
Rated voltage	kV	40.5		
Rated insulation level	Rated short-time withstand voltage	Dry test	95	
		Wet test	80	
	Rated lightning impulse withstand voltage	185		
Rated frequency	Hz	50		
Rated current	A	1250	1250	1250
		1600	1600	1600 2000
Rated short-time withstand current	kA	20	25	31.5
Rated withstand current (peak)	kA	50	63	80
Rated short-circuit breaking current	kA	20	25	31.5
Rated short-circuit making current	kA	50	63	80
Rated duration of short-circuit	s	4		
Rated DC value of short-circuit breaking current	kV	37		
Peak value of TRV		114		
Rated operating sequence	ms	O-0.3s-CO-180s-CO		
Overall breaking time	A	≤100		
Rated breaking current of cables charging		50		
Grade		E2-C2-M2 (10000)		
Rated breaking times of short-circuit breaking current	Times	20		

5. Overall and Installation Dimension

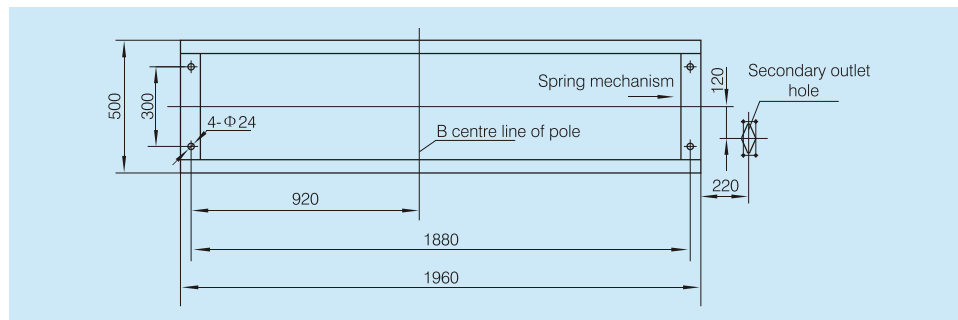
5.1 Installation base of circuit breaker ZW7-40.5 (recommended)



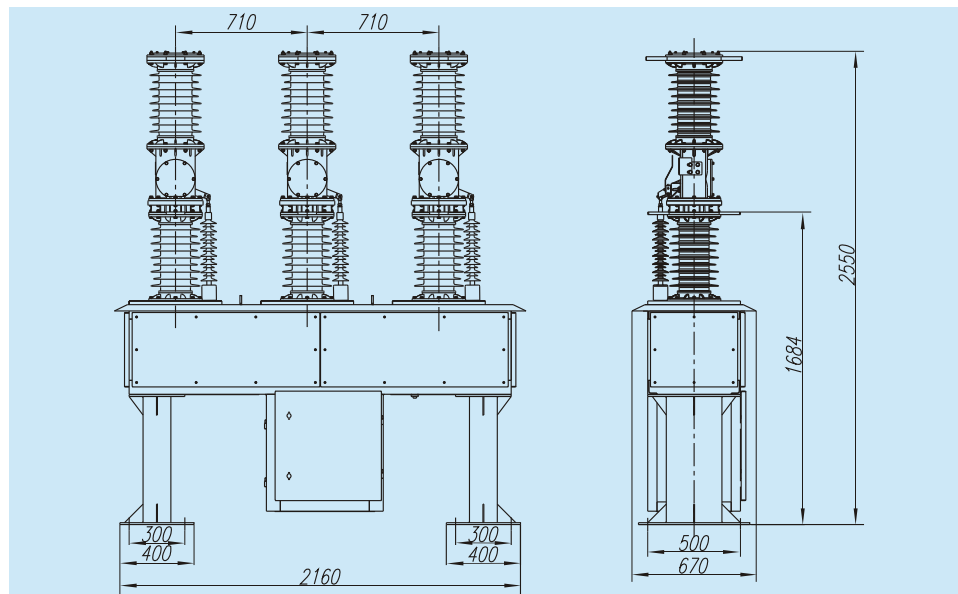
5.2 ZW7-40.5 overall dimension



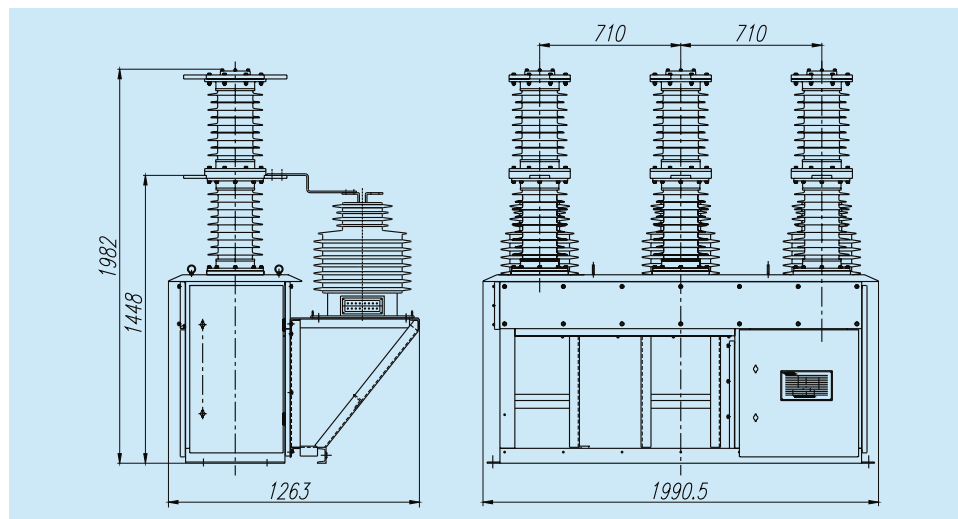
5.3 ZW7-40.5 installation dimension



5.4 Overall dimension of ZW7-40.5



5.5 Overall dimension of ZW7-40.5 (with Insulating pull rod and CT circuit breaker)



6. Ordering Information

Please indicate the following items when order:

- 6.1 Type, name, specification and quantity.
 - 6.2 Operating mechanism.
 - 6.3 Voltage of auxiliary secondary circuit.
 - 6.4 Variable ratio, accuracy, quantity and output capacity of the current transformer.
 - 6.5 Name and quantity of spare parts.
- ※ Customized products are available per your requirements.