ZENITH SWITCHGEAR

ZSIS 24kV SOLID INSULATION SF6 FREE GREEN RING MAIN UNITS

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ZSR RMU Key design features

- Modular panel design
- Standard panel dimensions are used
- Easy to install and service
- Front access of power and control cables
- Back can install against the wall (100mm)
- Compact and save space
- Basically no maintenance is required
- Internal arc fault tested for safety

ZSIS RMU Key complying standards

IEC 62271-1	Common specifications
IEC 62271-200	Metal-enclosed switchgear and control gear
IEC 62271-100	MV circuit breakers
IEC 60265-1	MV Switches
IEC 62271-102	Disconnectors and earthing switches
IEC 62271-105	MV fuse switch
IEC 60529	Degrees of protection[5]

ZSIS RMU Normal service conditions

1. Ambient temperatures: -15^0 $+50^0$ C
2. Max. daily average relative humidity: 95%
3. Max. monthly average relative humidity: 90%
4. *Max. height above sea level: 1000m
5. Max. earth-quake: Grade 7 Richter Scale
6. ZSIS is an indoor switchgear usually installed in a secondary or package substation.
7. Note: If ZSIS is used in outdoor environment, then we provide a standard IP54 weatherproof enclosure.

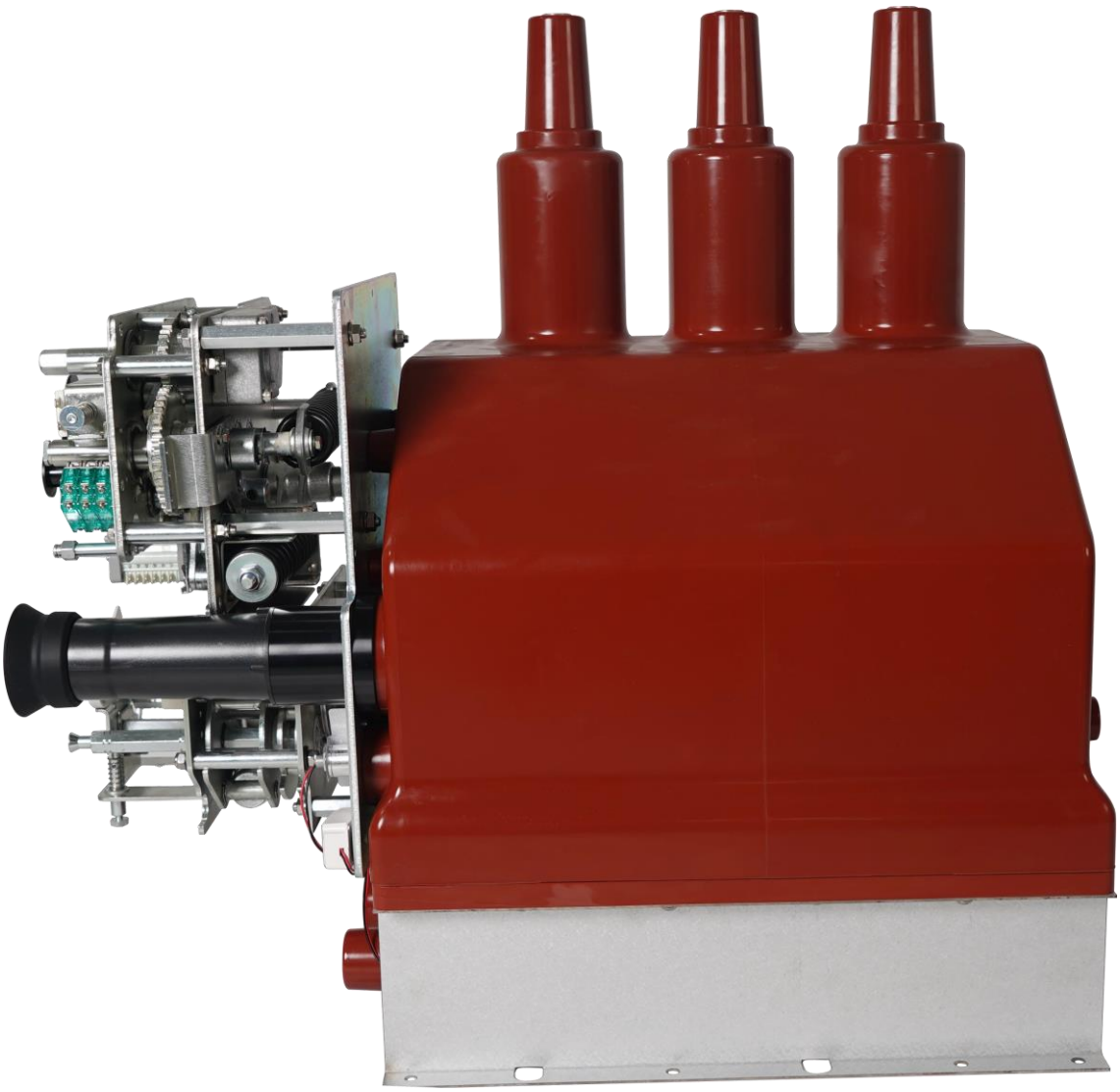
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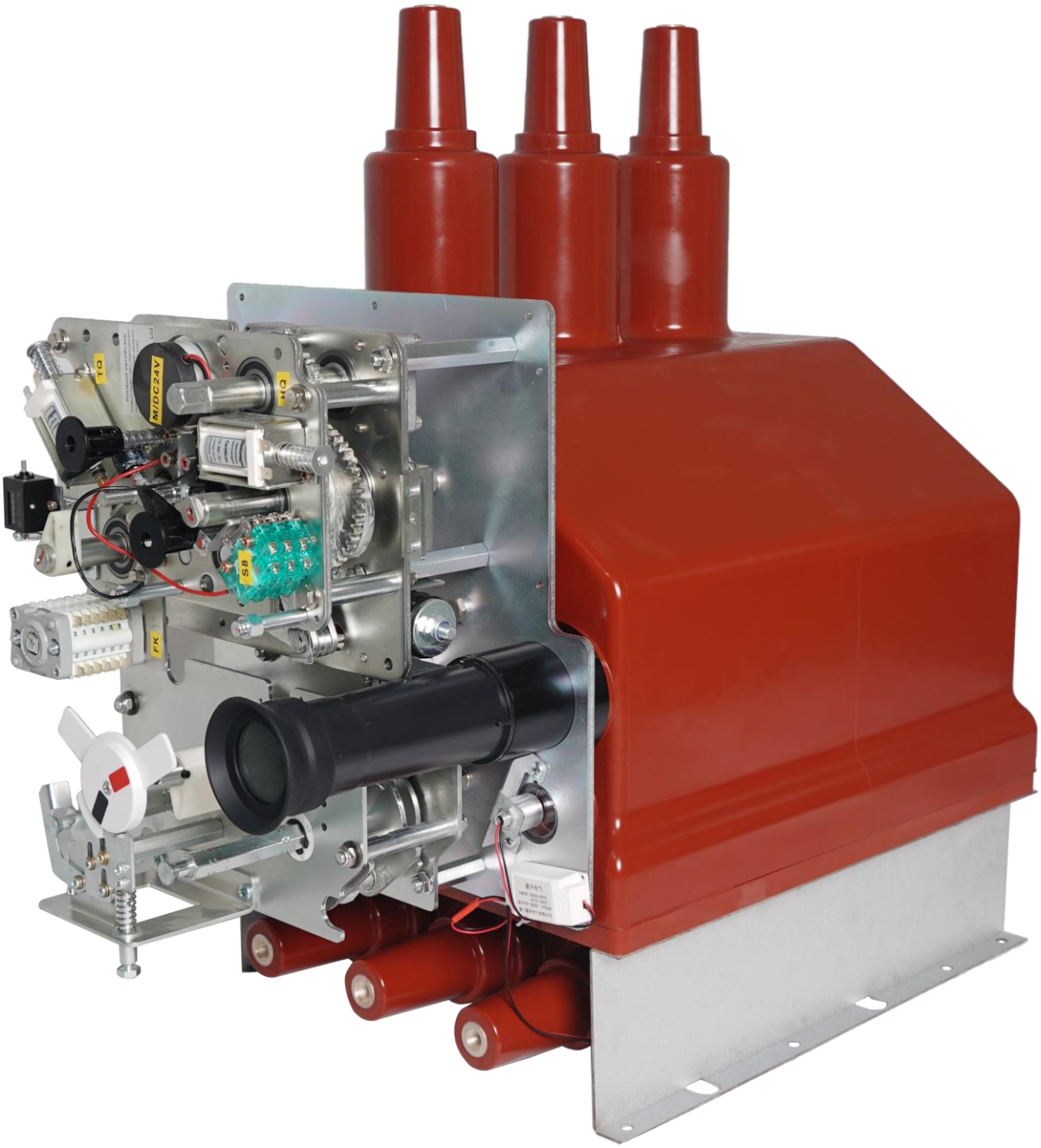
* Note: 24kV rating can be used for 12-17.5kV ratings up to 5000m above sea level.

ZSIS RMU General Technical Parameters	
Maximum rated voltage (kV)	24
Lightning impulse withstand voltage (kVp)	125
Power frequency withstand voltage (kV)	50
Frequency (Hz)	50/60
Normal rated current @ 40^0 C	800/630
Short-time withstand current for main and earthing circuits (kA @ 3 seconds)	20/25
Peak withstand current for main and earthing circuits (kA)	50/63
Short-circuit duration (Seconds)	3
Internal fault: short -circuit current (kA)	20/25
Internal fault: short-circuit duration (Seconds)	1
Internal fault: type of accessibility	AFL/*AFLR
Degree of protection (internal)	IP67
Degree of protection (external)	IP41
Degree of protection	IP54*

Note: *1. On request of customers. *2. Application for outdoor installation..

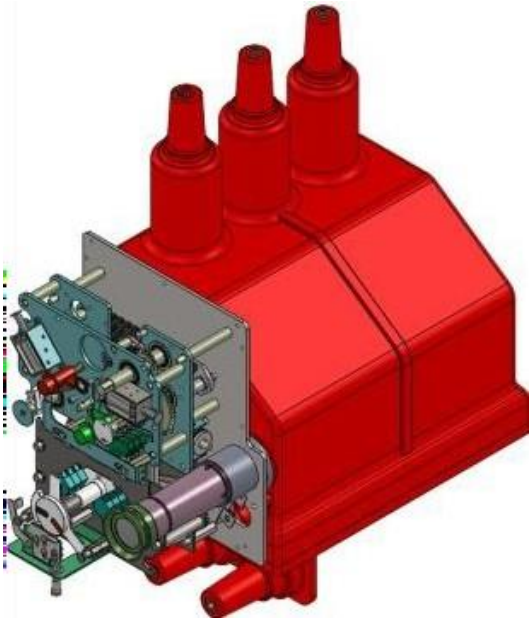
24kV Solid Insulated Vacuum Circuit Breaker SIS VCB (SF6 Free)



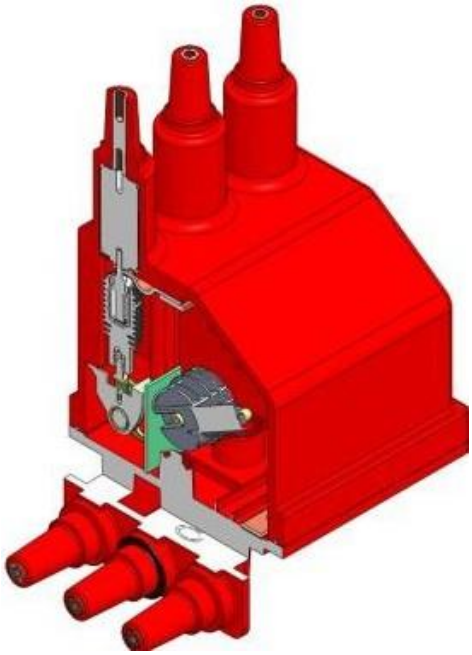

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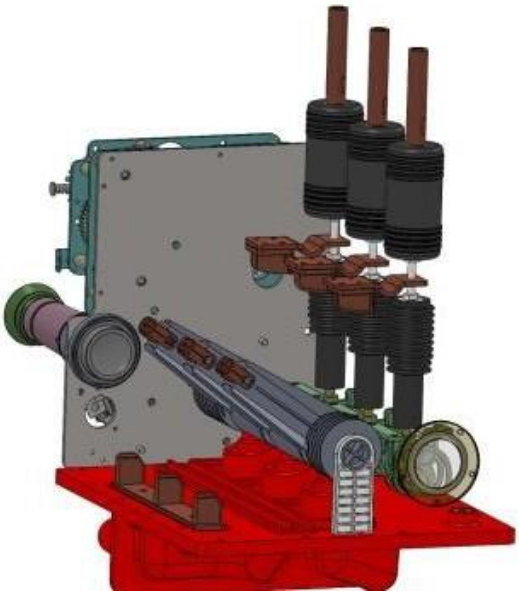
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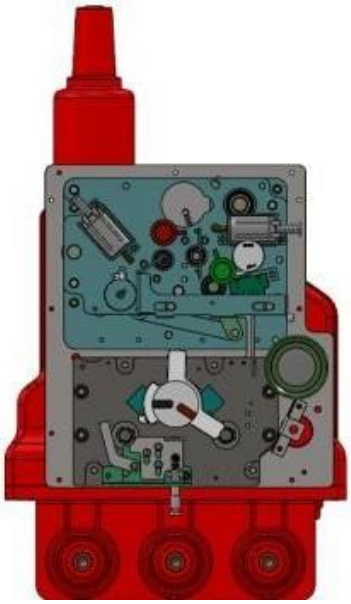
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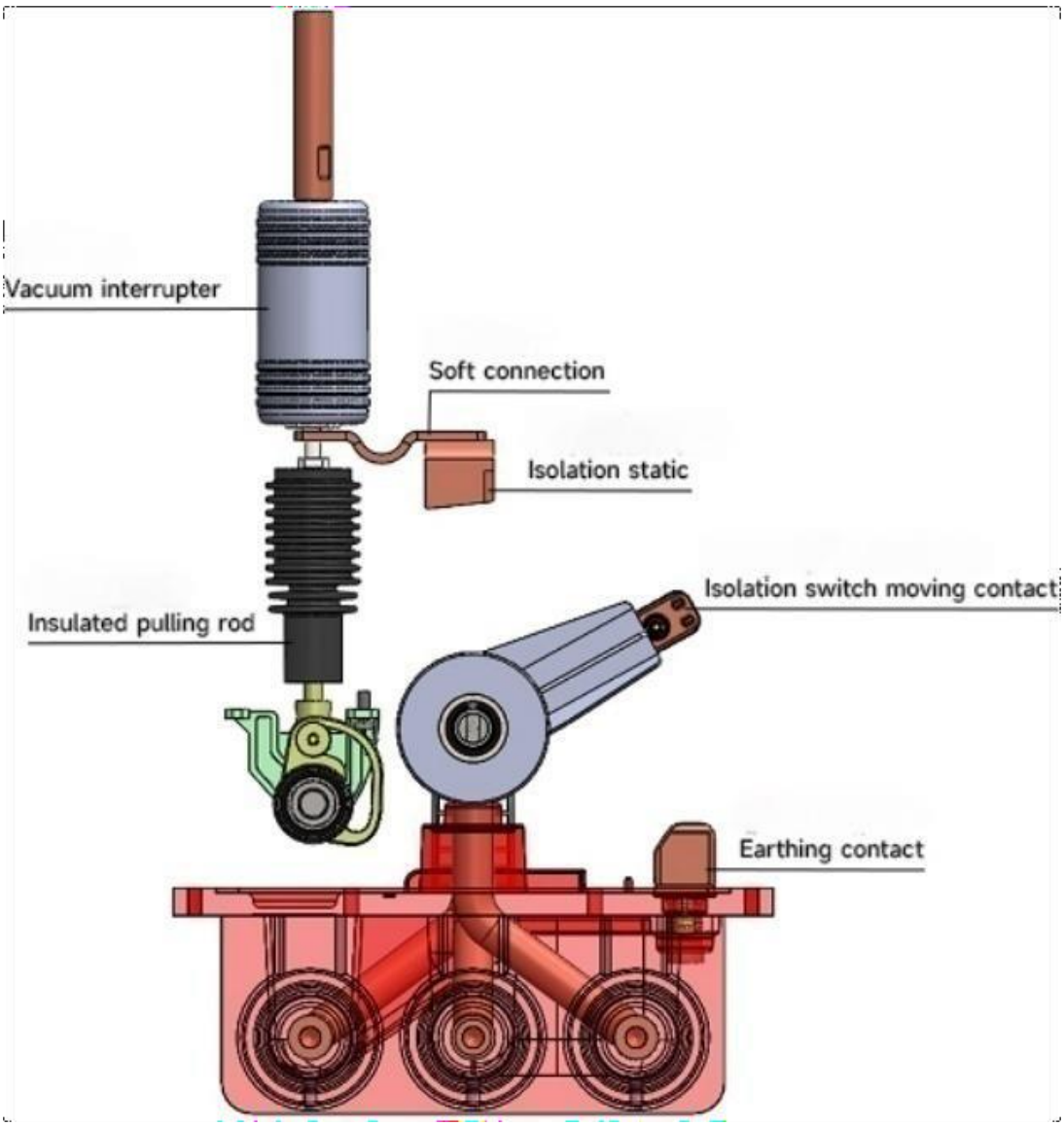


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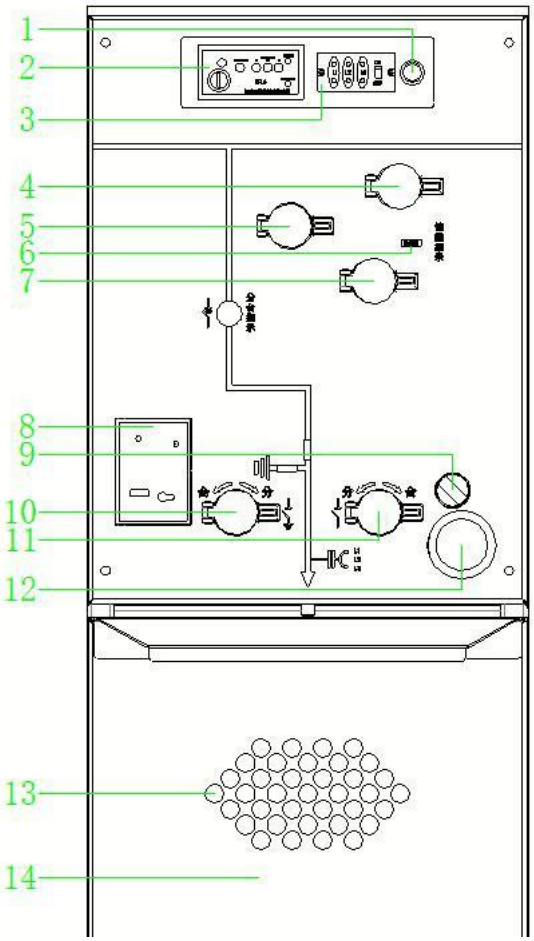


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Structure Diagram



1，LED button.

2，Short-circuit and Earth fault indicator. 3，Live Display.

4，Charging operation hole for Circuit breaker.

5，Circuit breaker open knob.

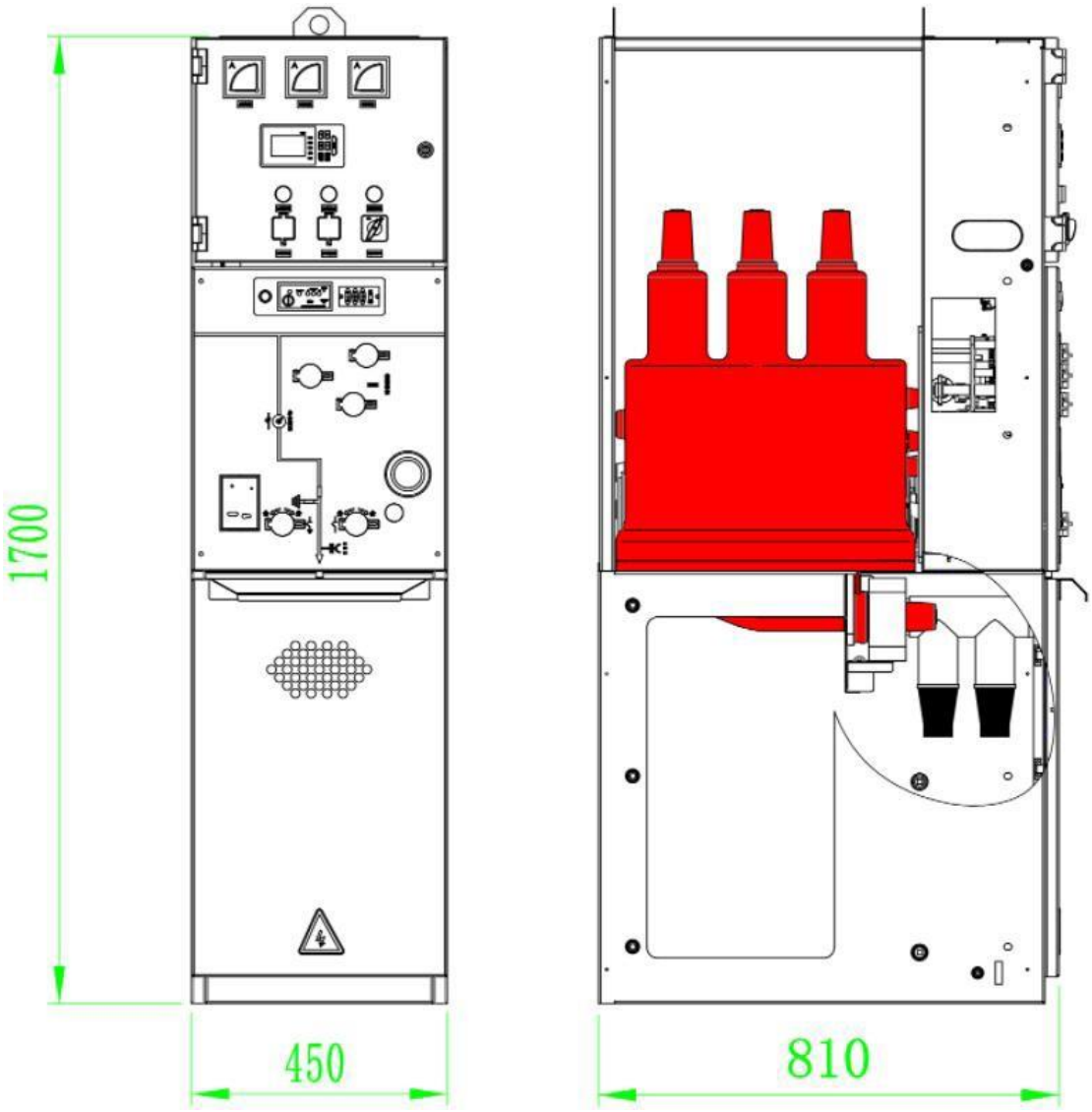
6，Charging indicator for Circuit breaker. 7，Circuit breaker close knob.

8，Earthing switch electromagnetic lock.

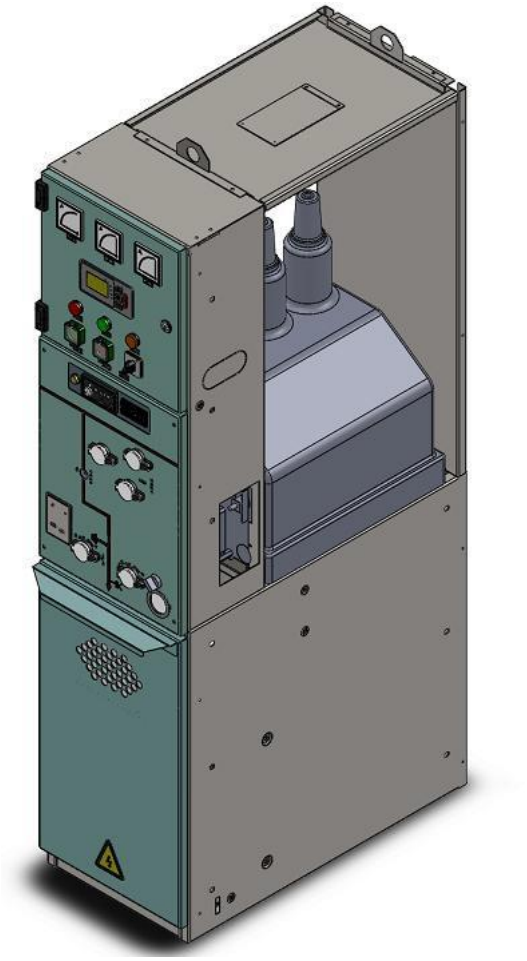
9，Isolating switch program lock. 10，Earthing switch operation hole. 11，Disconnector operation hole.

12，Viewing window.

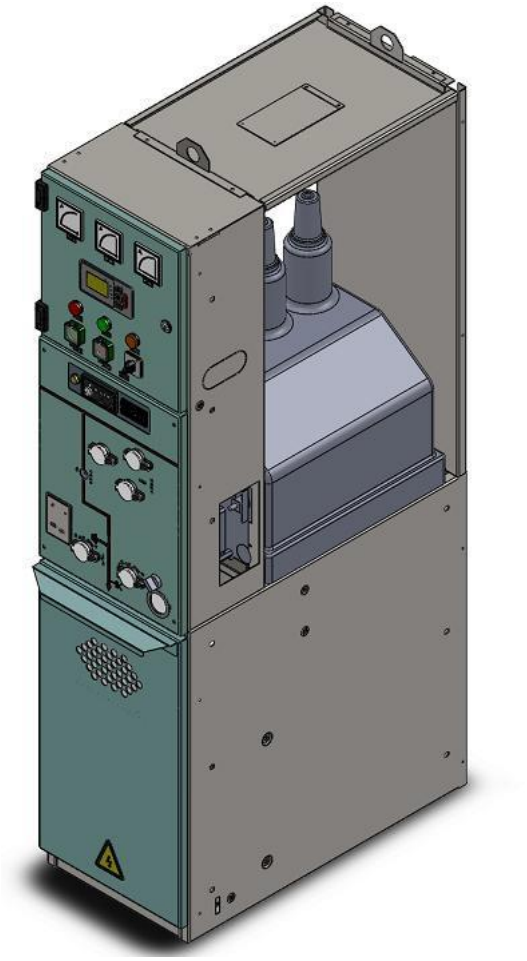
13，Cable compartment viewing window. 14，Cable compartment.



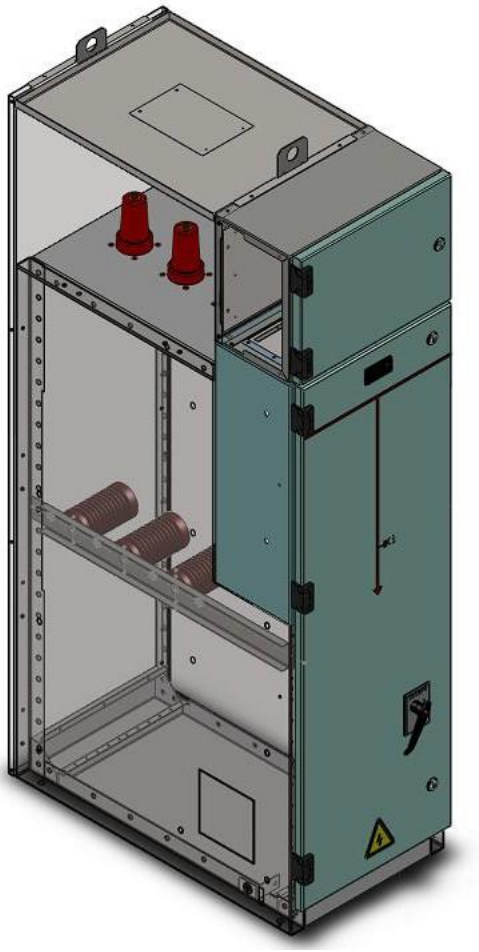
V: VCB Panel



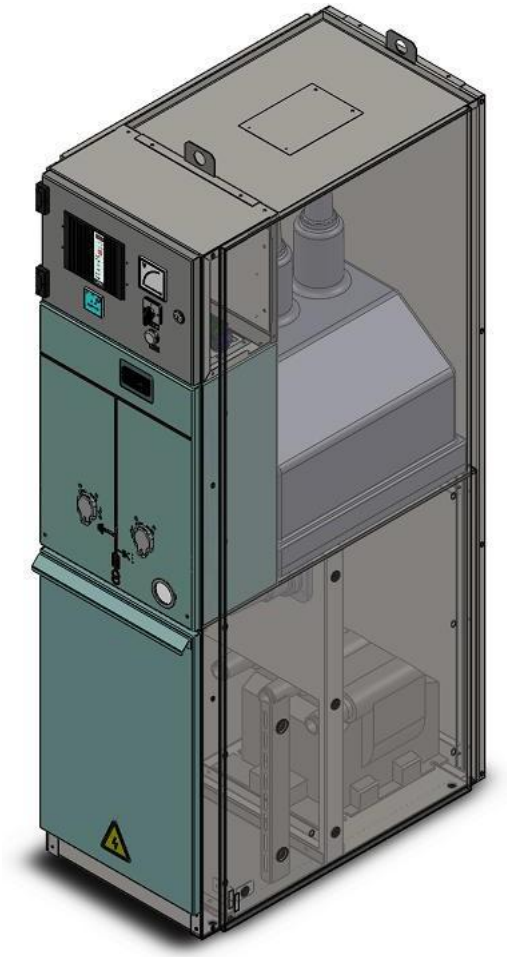
C: Load Break Switch Panel



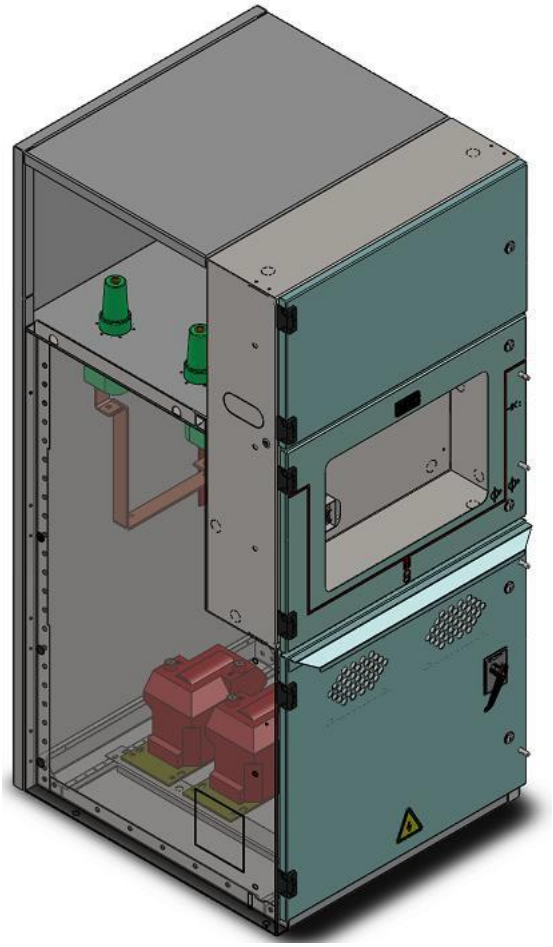
D: Direct Cable Connection Cabinet



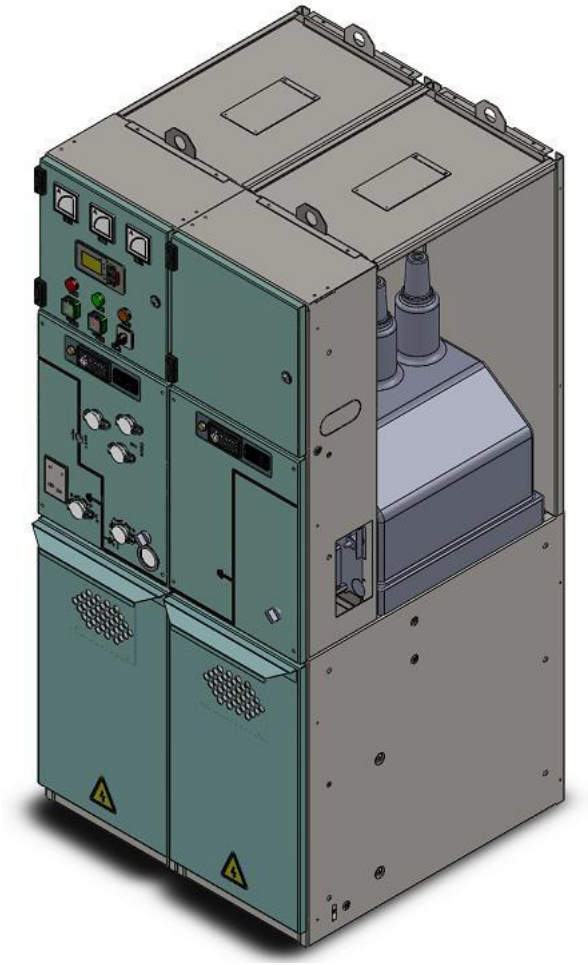
VT: Disconnector + VT Cabinet



M: High Voltage Metering Cabinet



BS: Bus Section Panel



Schematic Diagram of Cabinet Combination





◆Special Customization

The above parameters are typical data; if the existing styles do not meet your specific demands, please contact us for a custom design.We have significant personalized customization development and production skills, allowing us to provide tailored solutions to customers all over the world.

Ordering information required

1. Primary schemes or Zenith Switchgear ZSR RMU Modules;
2. Single line system diagram;
3. Rated voltage, rated current, rated short circuit breaking current;
4. Control voltage and nos. of auxiliary contacts.
5. Plan view of substation layout or switchgear layout diagram;
6. Specification and type of incoming and outgoing power and control cables;
7. Specification and requirement of control, measurement and protection schemes of each type of switchgear panel;
8. Requirement of interlocks and automatic features if any;
9. Model/part numbers, specification and quantity of key switchgear components.
10. If switchgear is used in special operating environmental

    condition, please specify clearly;
11. Other special requirements if any.

How to contact us?

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