

RMU ENERGY -8DJH ST

SF - Gas Insulated Secondary
Distribution Switchgear
Type 8DJH ST up to 12 kV





Customer Benefits, Technical Data, Design & Construction

Customer Benefits

☑ Peace of mind

- Gas insulated, metal enclosed, indoor/outdoor, Extensible/non-extensible factory assembled type tested switchgear as per new IEC 62271-100/200.
- Stringent quality standards as per ISO9001 and 14001.

☑ Saves Lives

- Internal arc fault tested switchgear including cable compartment.
- Capacitive voltage detection system for verification of safe isolation from supply.

☑ Increases Productivity

- All switching operations and cable access from the front.
- Safe to touch and hermetically sealed, gas tight, welded stainless steel primary enclosure, independent of environmental effects (dust, moisture, vermins etc.)
- Extensible on either sides.

☑ Saves Money

- Single switching element for load breaking, disconnecting and earthing.
- Maintenance free operating mechanism accessible outside the high voltage enclosure.
- Most compact individual panel/ block type construction, ensuring minimum space requirement.

☑ Design and Construction

- Ring feeders with three position switch disconnectors (option: with auxiliary switch).
- Circuit breaker feeder with combined Vacuum interrupter Dis-connector and earthing switch.
- Capacitive voltage detection system for all feeders.
- Protective self-powered relay & current transformers for transformer protection.

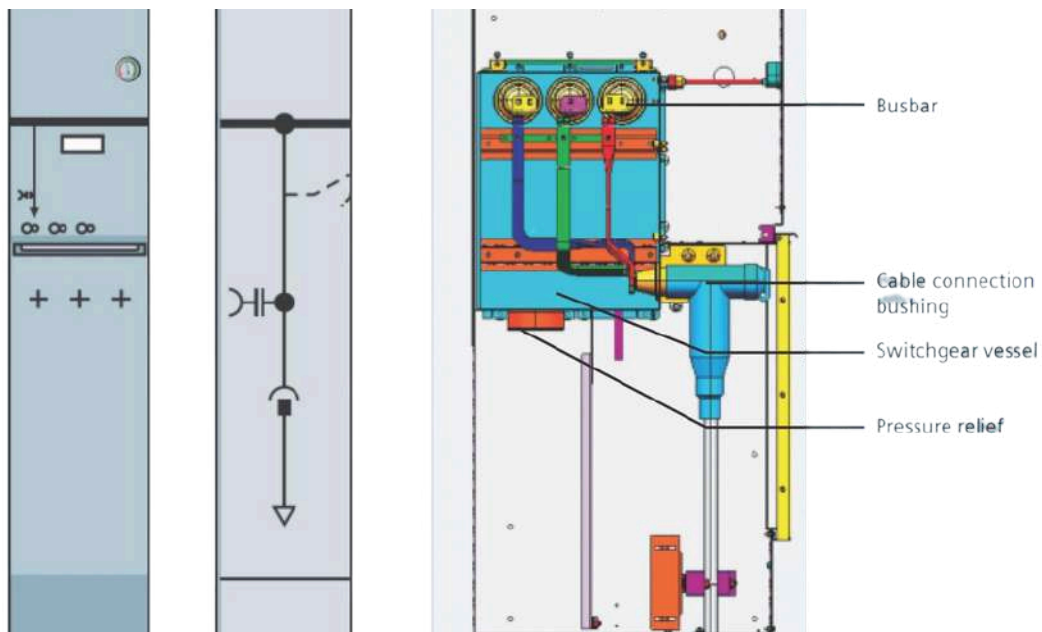


Technical Data

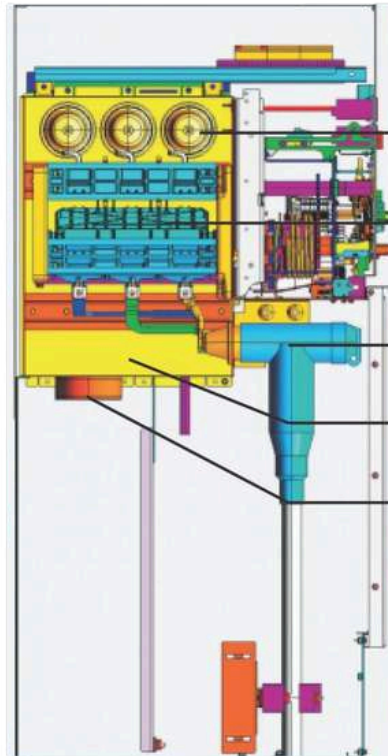
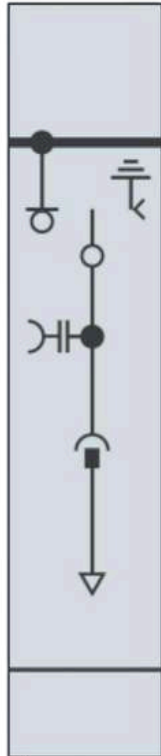
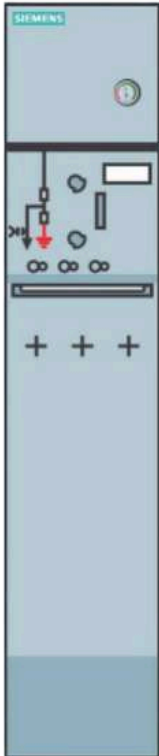
Rated voltage	12kV
Rated Frequency	50Hz
Rated current	
Busbar	630
Ring feeders	430/630A
VCB	250/630A
Rated power	
frequency withstand	
voltage (rms), 60 sec	28kV1
Rated Lighting	
Impulse withsatnd	
voltage (peak), 1.2/50μs	75kV ²
Rated short time	
withstand current, 3sec	21kA
Rated short time making	
current including earth	
switch	50kA

Degree of protection	
HV enclosure	IP67
Indoor enclosure	IP3X
Outdoor enclosure	IP54
Standards	
Switchgear	IEC 62271-200
	IEC 62271-100
Disconnecter switch	IEC 62271-102
Earthing switch	IEC 60265-1
Current transformer	IEC 60044-1
Capacitance voltage detection	IEC 61243-5
Degree of protection	IEC 60529
1 Option 38kV	2 Option 95kV

Cable Connection Feeder of 9 88DA



Design, Product Range, Schemes and Dimensions



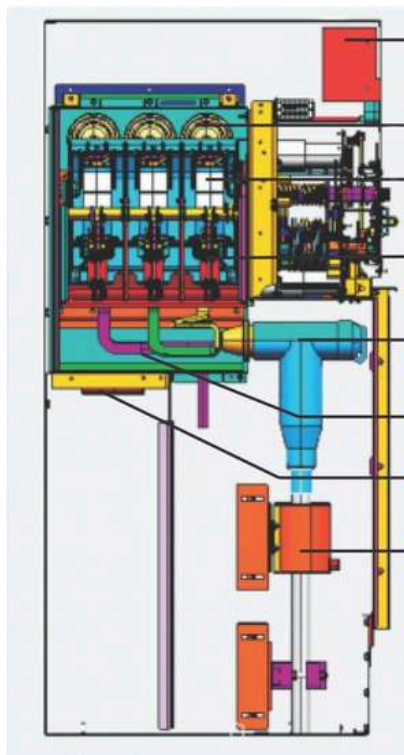
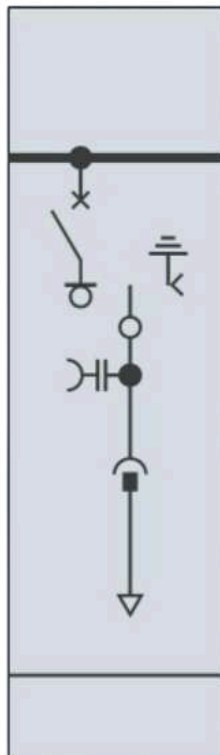
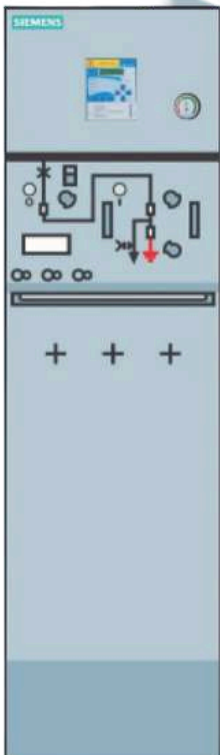
Busbar

Three Position switch
disconnecter bushing

Cable connection
bushing

Switchgear Vessel

Pressure Relief



Protection Relay
Busbar

Busbar

Vacuum
Circuit breaker

3 position
disconnecter

Cable connection
bushing

Switchgear vessel

Pressure relief

Current transformer



Feeder type	Abbreviation/ Schemes	Standard Dimensions (mm)			
		Width (W)	Depth (D)		Height (H)
Explosion Vent			TOP	BOTTOM	
Ring Cable Connection		335	920	820	1620
Ring Main Feeder		335			
Vacuum Circuit Breaker		445			
Standard Panel Blocks					
1 Ring Main Feeder 1 Vacuum Circuit Breaker	RL	765	920	820	1620
3 Ring Main Feeder	RRR	955			
2 Ring Main Feeder 1 Vacuum Circuit Breaker	RRL	1075			
3 Ring Main Feeder 1 Vacuum Circuit Breaker	RRRL	1385			
4 Ring Main Feeder	RRRR	1265			
2 Ring Main Feeder 2 Vacuum Circuit Breaker	LRRL	1505			





Product Range, Schemes and Dimensions:

Individual Panels

Feeder type	Abbreviation/Schemes	Standard Dimensions (mm)			
		Width (W)	Depth (D)		Height (H)
			TOP	BOTTOM	
Explosion Vent					
Ring Cable Connection		335			
Ring Main Feeder		335	920	820	1620
Vacuum Circuit Breaker		445			
Standard Panel Blocks					
1 Ring Main Feeder	RL	765			
1 Vacuum Circuit Breaker					
3 Ring Main Feeder	RRR	955			
2 Ring Main Feeder	RRL	1075			
1 Vacuum Circuit Breaker					
3 Ring Main Feeder	RRRL	1385			
1 Vacuum Circuit Breaker					
4 Ring Main Feeder	RRRR	1265			
2 Ring Main Feeder	LRRL	1505			
2 Vacuum Circuit Breaker					