

SIEMENS



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SF₆ - Gas Insulated Secondary Distribution Switchgear Type 8DJH ST up to 12 kV

Customized for you...

Answers for infrastructure.

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 hermitically 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

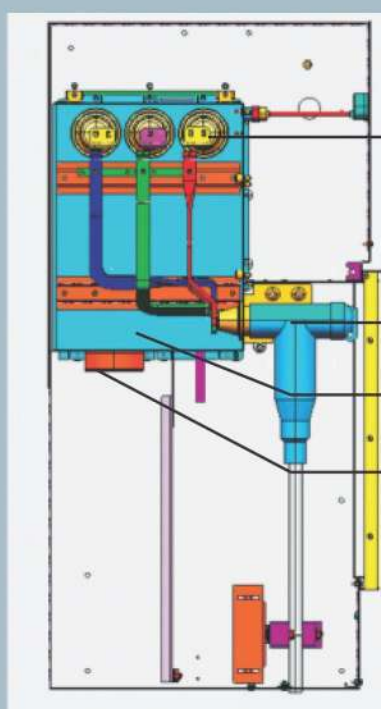
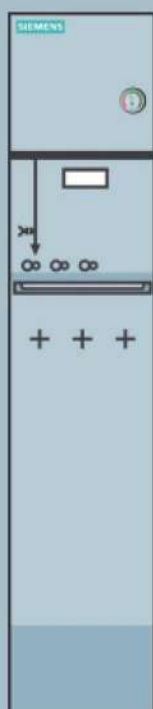
- Ring feeders with three position switch disconnectors (option: with auxiliary switch).
- Circuit breaker feeder with combined Vacuum interrupter Dis-connector and earthing switch.
- Capacitive voltage detection system for all feeders.
- Protective self-powered relay & current transformers for transformer 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	28kV ¹
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 -K- :- 630A



Busbar

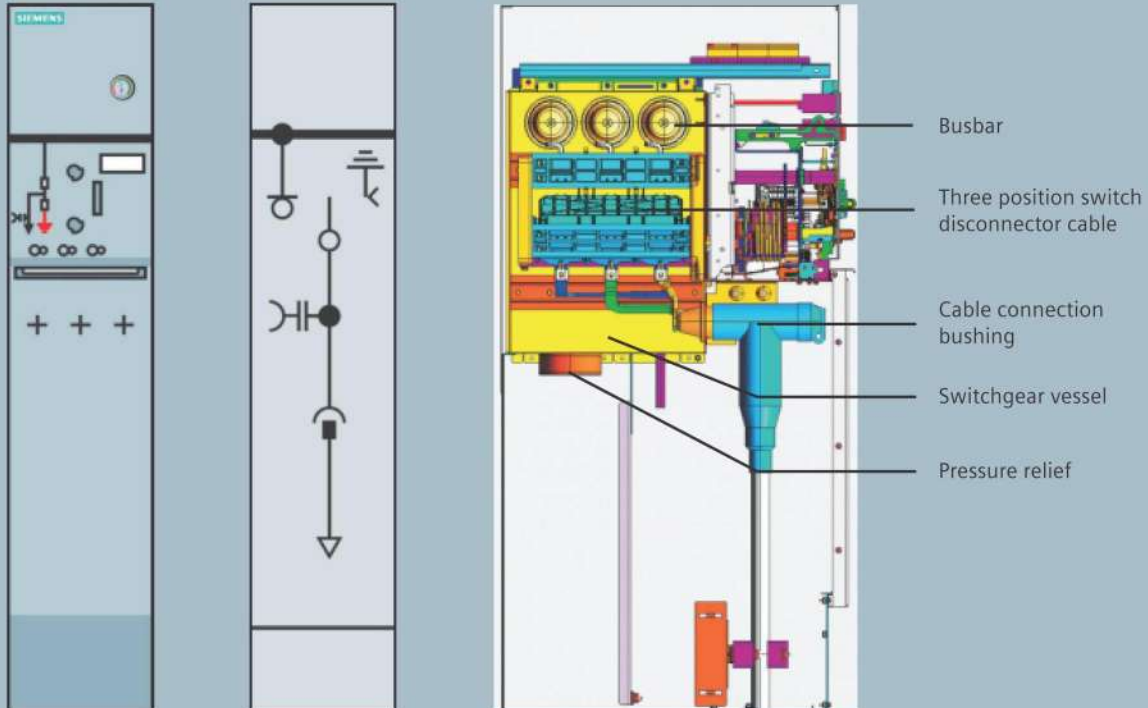
Cable connection
bushing

Switchgear vessel

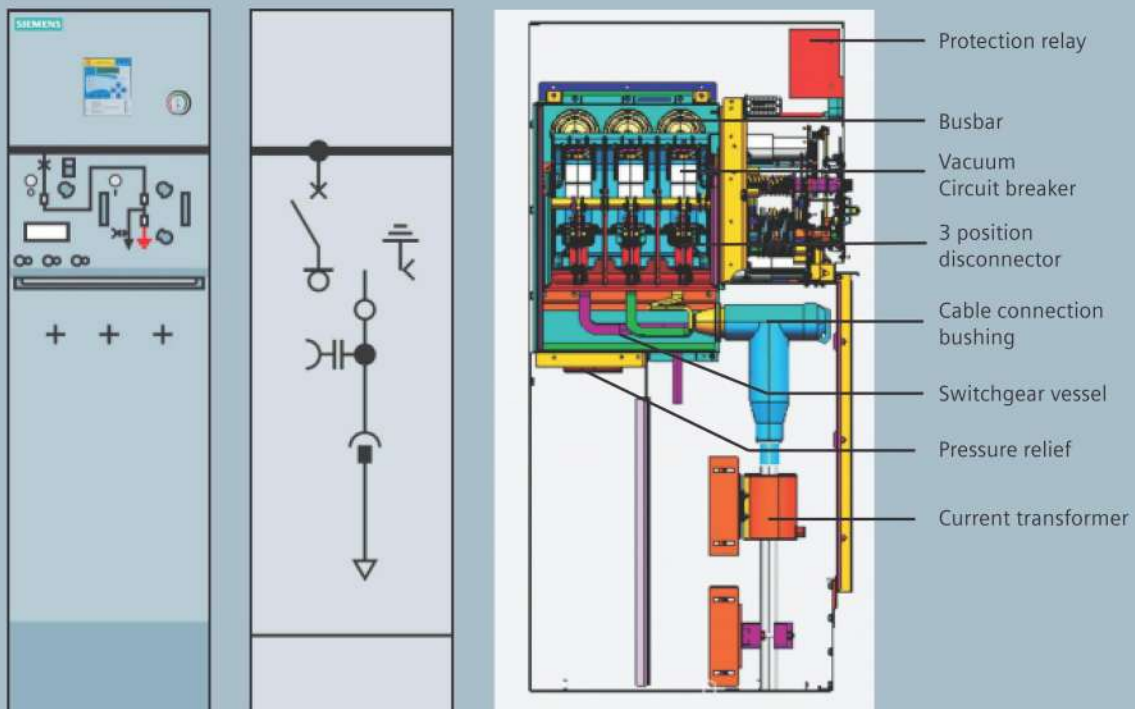
Pressure relief

Design, Product Range, Schemes and Dimensions

Typical Ring Main Feeder -R- :- 630A



Vacuum Circuit Breaker -L- :- 630A



Product Range , Schemes and Dimensions:

Individual Panels

Feeder type	Abbreviation/ Schemes	Standard Dimensions (mm)			
		Width (W)	Depth (D)		Height (H)
Explosion Vent			Top	Bottom	
Ring Cable Connection	K	335	920	820	1620
Ring Main Feeder	R	335			
Vacuum Circuit Breaker	L	455			
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			



Would you like to find out more ?
Please do not hesitate to contact us

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Product upgradation is a continuous process. Hence, data in this catalog is subject to change without prior notice. For the latest information, please get in touch with our Sales Offices.

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