

Customized for you...



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

Answers for energy.

SIEMENS



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.
- Individual panel / block type construction
- Manual operating mechanism (option: with motor).
- Cable connection from front.
- Logical mechanical interlocks.
- Gas pressure monitoring via Manometer

■ Options:

- Short circuit / earth fault indicators for ring feeders.
- Shunt release for VCB feeders.
- Motor-operated ring & VCB feeders
- Local/remote selector switch for motorized feeders.
- Provision for two runs of cable connection max Up to 3Cx300 sq.mm

Technical Data

Rated voltage	12kV
Rated Frequency	50Hz
Rated current	
Busbar	630A
Ring feeders	400/630A
VCB	250/630A
Rated power	
frequency withstand	
voltage (rms), 60 sec	28kV ¹
Rated Lightning	
Impulse withstand	
voltage (peak), 1.2/50μs	75kV ²
Rated short time	
withstand current, 3sec	20kA
Rated short time making	
current including earth	
switch	50kA

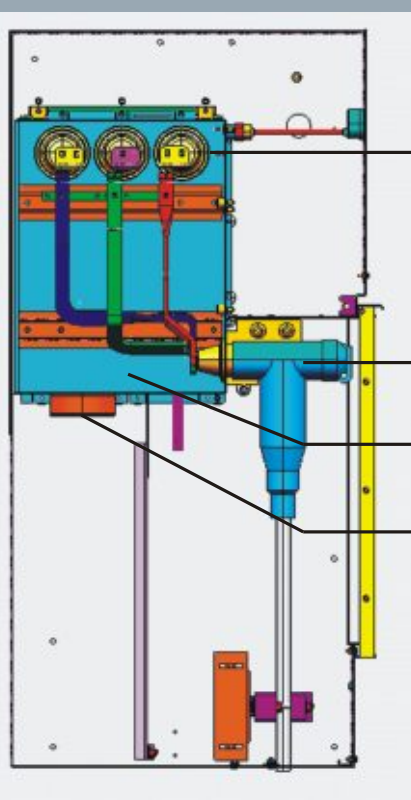
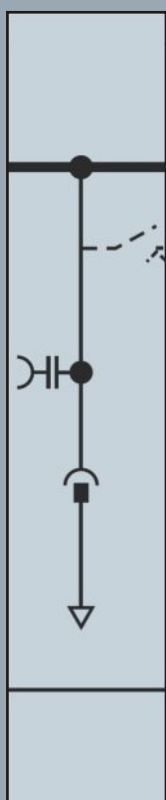
Degree of protection

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 62271-102
Load break 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



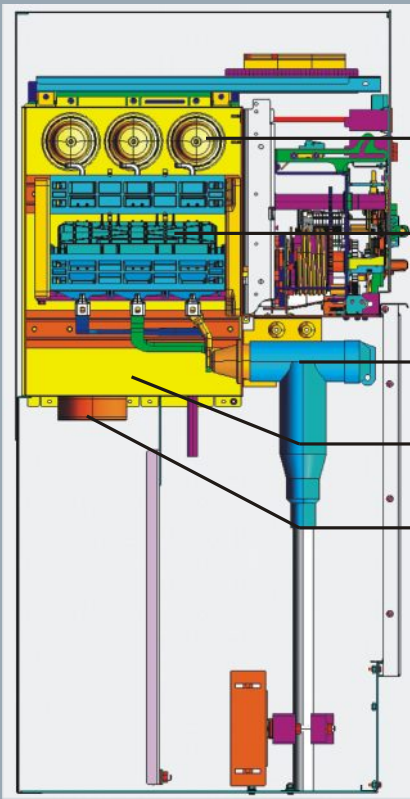
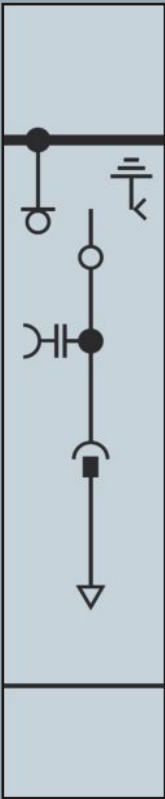
Busbar

Cable
connection
bushing

Switchgear
vessel

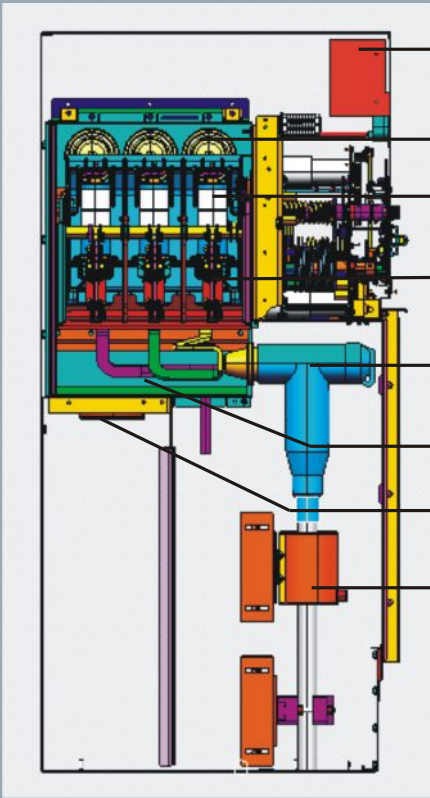
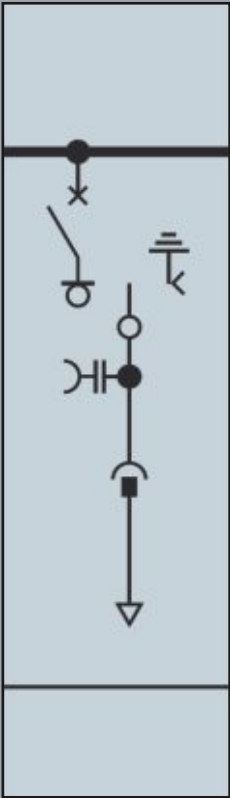
Pressure
relief

Typical Ring Main Feeder -R- :- 630A



- Busbar
- Three position switch disconnector cable
- Cable connection bushing
- Switchgear vessel
- Pressure relief

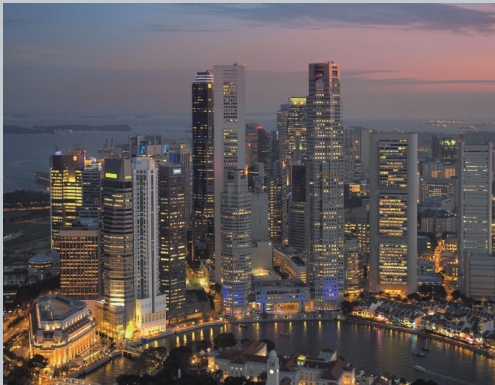
Vacuum Circuit Breaker -L- :- 630A



- Protection relay
- Busbar
- Vacuum circuit breaker
- 3 position disconnector
- Cable connection bushing
- Switchgear vessel
- Pressure relief
- Current transformer

Product Range, Schemes and Dimensions:

Individual Panels							
Feeder type	Abbreviation/ Schemes	Standard Dimensions (mm)					
		Width (W)		Depth (D)		Height (H)	
		ID	OD*	ID	OD*	ID	OD*
Ring Cable Connection	-K-	310	335	780	930	1565	1790
Ring Main Feeder	-R-	310	335	780	930	1565	1790
Vacuum Circuit Breaker	-L-	430	455	780	930	1565	1790
Panel Blocks							
1 Ring Main Feeder	-RL-						
1 Vacuum Circuit Breaker		740	765	780	930	1565	1790
3 Ring Main Feeder	-RRR-	930	955	780	930	1565	1790
2 Ring Main Feeder	-RRL-						
1 Vacuum Circuit Breaker		1050	1075	780	930	1565	1790
3 Ring Main Feeder	-RRRL-						
1 Vacuum Circuit Breaker		1360	1385	780	930	1565	1790
4 Ring Main Feeder	-RRRR-	1240	1265	780	930	1565	1790
2 Ring Main Feeder	-LRRL-						
2 Vacuum Circuit Breaker		1480	1505	780	930	1565	1790
*ID – Indoor *OD - Outdoor							



Would you like to find out more ?
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For latest issue contact our Sales Office."

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