

Indoor VCB Panel SHRID1 with Vacuum Circuit Breaker VSJ1



Salient Features :

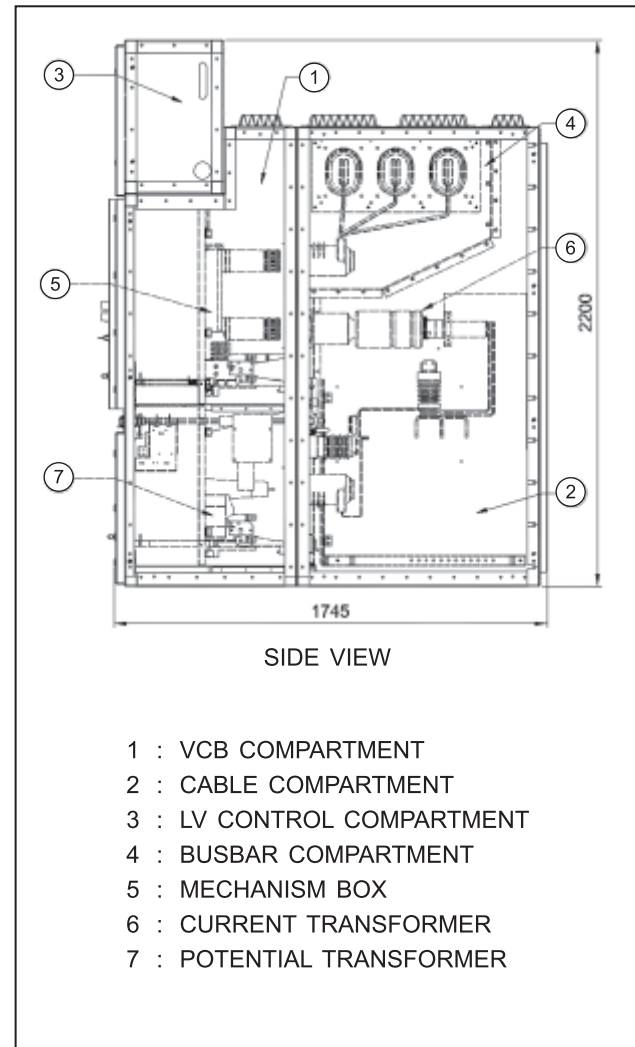
- Vacuum used as insulation & arc interruption medium.
- Mid panel VCB with Horizontal isolation & Horizontal withdrawal from panel.
- Inaccessible live parts & rack in/out with door closed condition ensures operator safety.
- Fully compartmentalized & compliance to internal arc as per standard.
- Extendable from both sides of the panel.
- Fully type tested for all application.
- Ring type CTs mounted on screened cast resin CT bushing.
- The optional features like draw-out type PT, Power pack, Integral earth switch, series trip arrangement for unmanned substation can be provided.
- Features of operating mechanism :
 - O-C-O operation without recharging
 - Closing spring charged by motor in less than 15 second
 - Electrical anti-pumping
 - Provision for manual charging
 - Suitable for high speed auto reclosure duty



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Technical Data:

Characteristics	Value
Rated voltage	12 kV
Rated normal current	1250 A
Power frequency withstand voltage	28 kV rms
Impulse withstand voltage	75 kV peak
Frequency	50 Hz
Rated short circuit breaking current	26.3 kA
Rated short time withstand current	26.3 kA for 3 second
Rated making current	66 kA peak
Rated operating sequence	O-0.3sec-CO-3min-CO
Opening Time	< 60 ms
Total break time	< 70 ms
Closing time	< 70 ms
Contact stroke	6-8 mm
Degree of protection :	
External	IP4X
Internal	IP2X
Dimension of panel :	
Width	650 mm
Depth	1745 mm
Height	2200 mm
Weight of panel with breaker	700-1000kg



Shreem

Shreem Electric Ltd.

Corporate Office :

P. B. No. 43, Industrial Estate,

Jaysingpur - 416 144

Dist. : Kolhapur, Maharashtra, (INDIA)

Tel : +91-2322-221021/22/24/45

Fax : +91-2322-221023

e-mail : info@shreemelectric.com

switchgear@shreemelectric.com

Web : www.shreemelectric.com