

SIGP12/36

GAS INSULATED SWITCHGEAR UPTO 36kV



GIS is intended for application in Power Transmission and Distribution Substations to undertake the critical role of providing uninterrupted power supply to the Grid. GIS offers various advantages in terms of compact size, minimal maintenance, high product quality with reliable operation, ease in installation, independent to environmental conditions, reduced operating cost and better personal safety. SF6 gas is used as insulating medium in GIS.

Salient Features

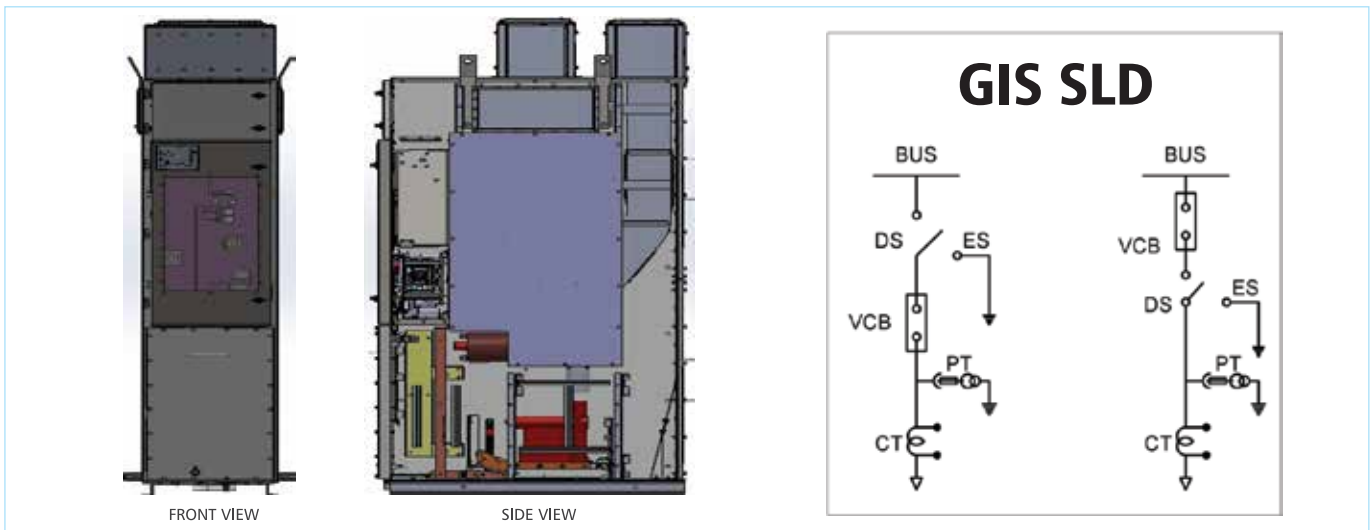
- Compact Design and Reduced Space Requirement
- Hermetically Sealed for Life
- High Degree of Reliability and Safety
- Virtually Maintenance Free
- Touch Proof Cable Connectors & Bus bars
- Internal ARC classification 31.5 kA/0.1 & 1 Sec, AFLR
- Seamless Integration with SCADA Network for Remote Operation and Control
- Conforms to IEC-62271-100 / 102 / 103 / 200 & IEC 62271-1 / IS 13118
- Type Tested VCB of E1, C1, M1 / M2 Class
- Motorized Three Position Dis-connector cum Earth Switch
- Extensible on Both the Sides

Application

- Primary & Secondary Power Distribution Network
- Continuous Process Industry
- Renewable Energy Plants
- Data Center

Technical Specifications

Parameters	Unit	SIGP12	SIGP36
Rated Voltage	kV	12	36
Rated Frequency	Hz	50	50
Rated Normal Current	A	1250/2000	1250/2000/2500
Rated Insulation Level**	kV	12/28/75	36/70/170
VCB and DS Rated Short Time Current for 3 sec	kA	26.3	31.5
Rated Short-Circuit Breaking Current of the Circuit Breaker	kA	26.3	31.5
Rated Short-Circuit Making Current of the Circuit Breaker	kA	65.75	79
Rated Operating Sequence		O-0.3sec-CO-3min-CO	
Insulating Gas System			
Insulation Gas		SF ₆	SF ₆
Minimum Gas Pressure Level for Insulation	Bar	0.2 G	0.2 G
Rated Gas Filling Pressure Level for Insulation	Bar	0.4 G	0.4 G
Lock Out Pressure	Bar	0.2 G	0.2 G
Degree of Protection			
Gas Filled Compartment			IP 67
Enclosure			IP 5X
Panel Overall Dimensions			
Height (H)	mm	2200	2400
Width (W)	mm	500	600
Depth (D)	mm	1150	1250
Applied Standard		IEC 62271-200	



Typical G.A Drawing for GIS Incomer Panel

- There is a continuous effort at Stelmec to keep abreast of latest technology in line with customer requirements and hence the product specifications are subject to change.
- Products described in this catalogue are manufactured and supplied according to the Certified Management System ISO 9001:2015.