



Cubicle Type Gas

Insulated Switchgear

MGX-36 Series SF6 Cubicle type
Gas Insulated Switchgear



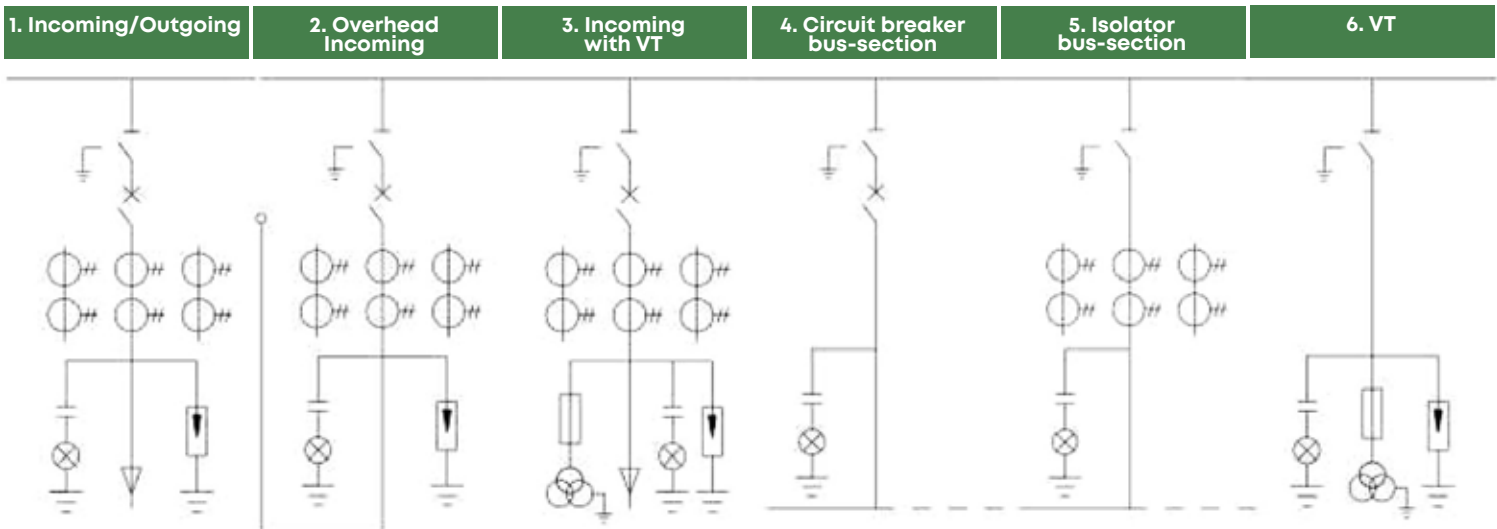
Technical Parameters

MGX-36 Series Cubicle Type Gas Insulated Switchgear (C-GIS)

Sr.No.	Description		Unit	Value
1	Rated voltage (Ur)		kV	40.5
2	Rated frequency (fr)		Hz	60
3	Rated current (Ir)		A	1250/2500/3150
4	Rated insulation level	Power frequency withstand voltage(Ud) (1min)	kV	95
		Between phase and phase to earth		118
		Across isolating distance		2
		Auxiliary and control circuits(Ua)		
		Lightning impulse withstand voltage (Up)		185
		Between phase and phase to earth		215
		Across isolating distance		
5	Rated short-time withstand current(Ik/Ik)		kA/s	25. 31.5/4
6	Rated peak withstand current (Ip)		kA	63. 80
7	Rated short-circuit making current (Isc)		kA	25, 31.5
8	Rated Short-circuit making current		kA	63. 80
9	Circuit breaker electrical endurance		Ops	30
10	Rated operating sequence		/	O-0,3s-CO-1 80s-CO
11	Mechanical endurance	Load switch/Circuit breaker	Ops	20000 (10000 for 31 S0A)
		Disconnectors Earthing switches	Ops	5000
12	Resistance of the circuit	1250A	uΩ	≤120
		2500A	uΩ	≤80
		3150A	uΩ	≤50
13	Rated gas filled pressure (at 20)		MPa	0.02
14	Annual leakage rate		%	≤0.01%
15	Insulating gas		/	SF6
16	Degree of protection	Compartment	—	IP2XC
		Gas tank	—	IP67
		Enclosure	—	IP41
		Enclosure	—	IK10
17	IAC classification		—	A FLR 31.5 kA/1s

Basic Modular

Configuration



Dimension

Rated current (A)	1250	2500	3150
Width (mm)	600	65	1000

Technical requirements

L switchgear width {mm}	600	800	1000
L 1 anchor hole (mm)	430	630	830

1. The switchgear can be bolted or welded to the foundation channel.
2. Ensure That the laying of foundation channel steel is smooth, and he irregularity shall not be greater than 1 mm per meter.
3. The foundation shall be able to withstand the maximum static load of the switchgear of 2000kg and the maximum impact load of 3000kg.

Applicable Standards

IEC 62271-1: High-voltage switchgear and controlgear-Part 1:
Common specifications

IEC 62271-100 High-voltage switchgear and controlgear-Part 100:
Alternating current circuit-breakers

IEC 62271-102 High-voltage switchgear and controlgear-Part 102:
Alternating current disconnectors and earthing switches

IEC 62271-103 High-voltage switchgear and controlgear-Part 103:
Switches for rated voltages above 1 kV and up to and including 52 kV

IEC 62271-105: High-voltage switchgear and controlgear-Part 105:
Alternating current switch-fuse combinations

IEC 62271-200: 2011 High-voltage switchgear and controlgear-Part 200:
AC metal-enclosed switchgear and controlgear for rated voltage above 1 kV and up to and including 52 kV

IEC 60044-2: Instrument transformers-Part 2: Inductive voltage transformers

IEC 60044-1: Instrument transformers-Part 1: Current transformers



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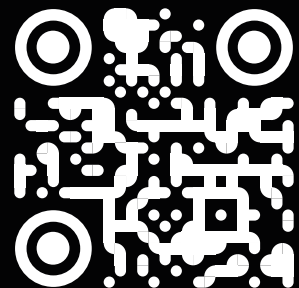
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