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**50 % of  
floor space  
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## SafeClad-WS

### 15-27 kV Space-Efficient Arc Resistant Metal-Clad Switchgear

SafeClad-WS Medium Voltage Arc-Resistant switchgear provides the ideal solution for industries with high energy requirements but severe space restrictions, without compromising safety and reliability. Thanks to its modular wall standing design and compact dimensions, our switchgear can be flexibly adapted to situations where space is limited without the use of SF6 Gas-Insulated enclosures (GIS).

#### Features

- Front and back access to power cable compartment
- Narrow design of only 24 in. (600 mm) at 5-15 kV and 30 in. (750 mm) at 27 kV
- Exclusive Arc Arrestor venting technology requiring room ceiling height of only 110 inches (2795 mm) without the need for ducting to outside.

#### Safety by design

- Engineered and completely tested according to IEC 62271-200 for Internal Arc Classification A FLR.
- Racking mechanism integrated inside breaker withdrawable truck for moving parts maintenance outside the primary compartment
- Thru-door racking access closed by exclusive safety scissor valve even during breaker racking with handle in place
- Copper busbar with high quality Tin plating for 100% current rating during all service life.

#### Compatible switching devices

- ABB Vmax, VD4, and VM1

#### Standards

- IEEE C37.20.2
- IEC 62271-200
- CSA C22.2 no 31

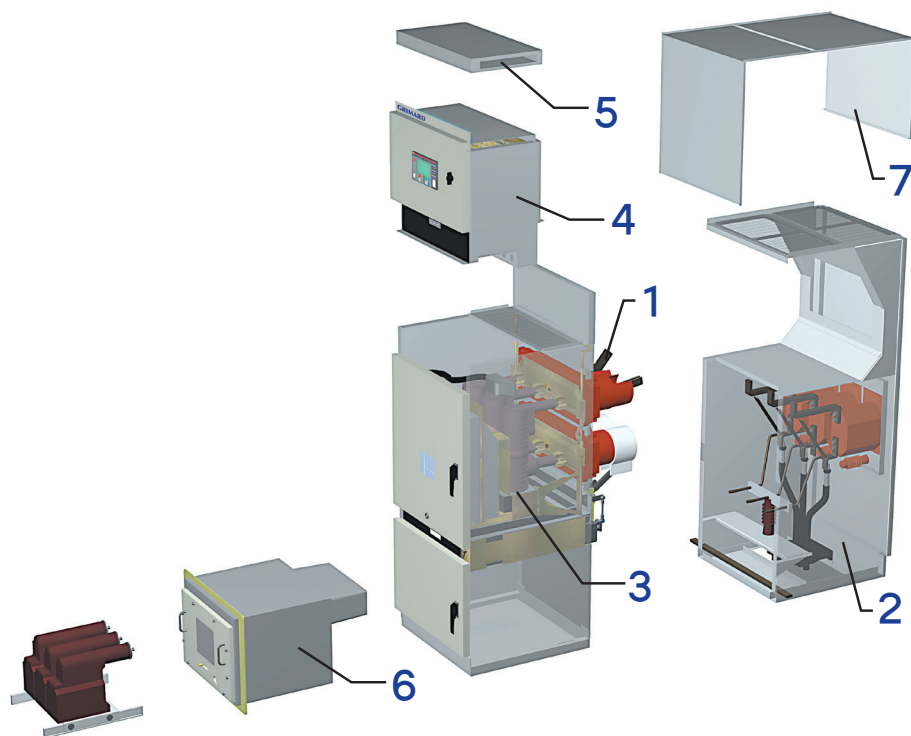
#### Options available

- Solid Epoxy bus insulation and halogen/chlorine free boot covers
- Copper busbar with premium silver plating (to differentiate from very thin flashing commonly miscalled silver plating)
- Motorized breaker racking mechanism
- Amagnetical power cable entry plate
- Power cable support



Each unit consists of the following compartments:

1. Main bus
2. Power cables
3. Circuit breakers
4. Low-voltage control
5. Horizontal low voltage wireway
6. Voltage transformers (if required)
7. Arc Arrestor venting technology



## General features of SafeClad-WS switchgear:

		15 kV	27 kV
Test voltage at power frequency	kV 1 min	36	60
Impulse withstand voltage	kV	95	125
Rated frequency	Hz	50-60	50-60
Rated short-time withstand current	kA 2 s	25; 31.5	25
Peak current	kA 10 cy.	65; 82	65
Internal arc withstand current	kA 0.5 s	25; 31.5	25
Main busbar rated current	A	1200; 2000	1200
Rated current of the branch connections	A	1200; 2000	1200
Overall dimensions of basic cubicles	H	2160 mm (85 in)	2160 mm (85 in)
	W	600 mm (24 in)	750 mm (30 in)
	D	1550 mm (60 in)	1900 mm (60 in)



## Application Sectors:

- Data Center
- Infrastructure & Transportation
- Metal Industry
- Mining
- Oil & Gas
- Power Utilities