

Four-Pole Grounding Switches and Three-Pole Disconnect Switches

bree

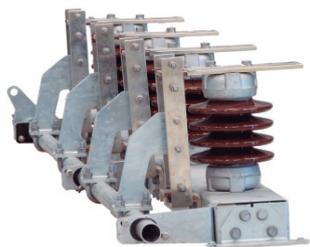


Application

Bree Switches are equipment that is supplementary to the capacitor bank and allow for its separation and grounding for maintenance and surge interruption purposes. They are highly recommended due to their reliability and robustness.

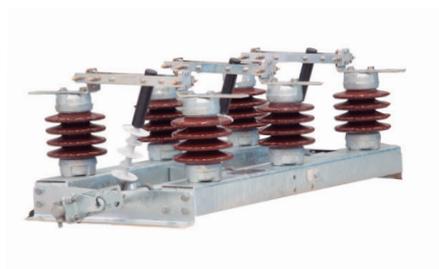
Grounding Switches

They are important to discharge capacitor banks and/or harmonic filters, assuring null voltage in the equipment and enabling safe maintenance, according to the NR-10 and NR-10-SEP standards.



Disconnect Switches

They are made for disconnecting the capacitor bank from the electrical circuit, thus removing the equipment voltage and contributing toward a visual inspection that the circuit is either open or closed, enabling safe maintenance, according to the NR-10 and NR-10-SEP standards.



Design Features

All Bree Switches are manufactured at our own plant and have the following features:

- Easy to install and adjust in the field;
- Switches fastened to the structure using bolts and nuts;
- Nearly maintenance free;
- Components with anti-corrosion coating;
- Highly reliable openings and closings;
- Copper contacts coated with tin or silver;
- Insulators made of ceramic material or polymer;
- Robust construction with no structural bending;
- Manual or motorized drive;
- Auxiliary contacts;
- Electrical and/or mechanical interlocking.



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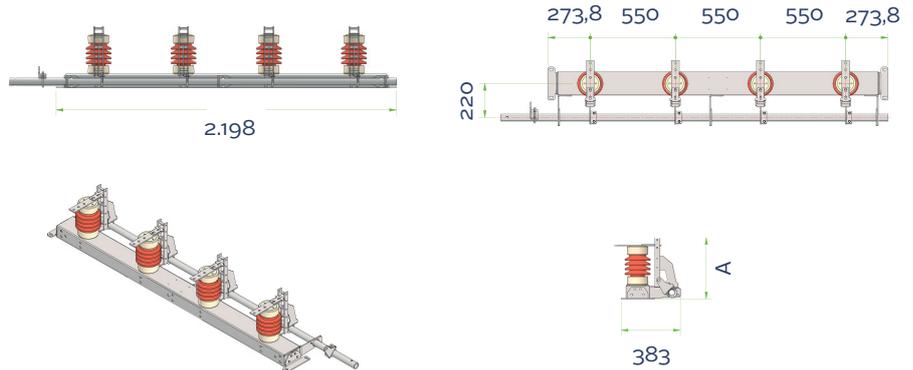
Four-Pole Grounding Switches and Three-Pole Disconnect Switches

Technical Information

THREE-POLE DISCONNECT AND GROUNDING SWITCH	UNIT	TECHNICAL INFORMATION		
Nominal voltage	kV	15	24	36
Impulse withstand voltage	kVp	110	150	170
Rated short-duration withstand voltage at industrial frequency	kV	38	50	70
Frequency	Hz	60		
Nominal current	A	630 to 1.250		
Short-duration withstand current	kA/s	31,5		
Weight	kg	70	120	150

Four-Pole Grounding Switch

VOLTAGE	DIMENSIONS (mm)	
	A	
15kV	1.293	
24kV	1.493	
36kV	1.493	



Three-Pole Disconnect Switch

VOLTAGE	DIMENSIONS (mm)							
	A	B	C	D	E	F	G	H
15kV	1.293	470	450	1.253	578	460	377	453
24kV	1.493	650	550	1.453	760	478	478	550
36kV	1.493	650	550	1.453	760	580	580	652

