

# SafeRing and SafePlus, 12 to 24 kV

## SF6 Insulated Outdoor Ring Main Unit and Compact Switchgear



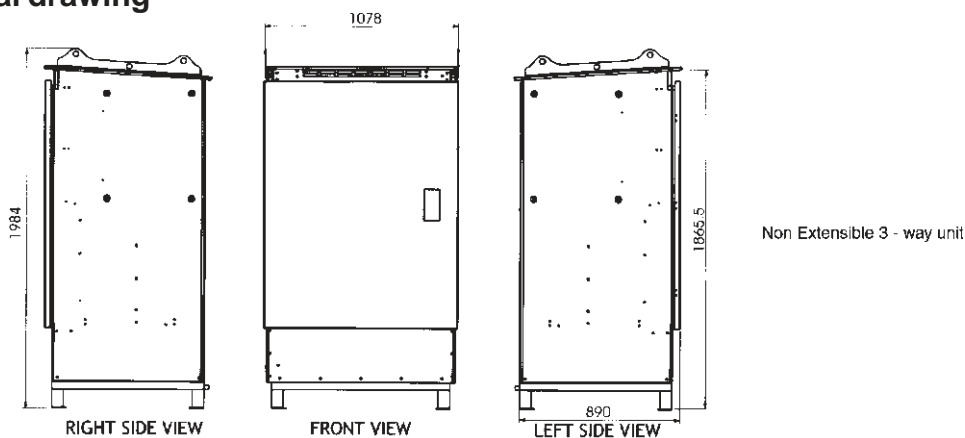
**ABB**

# Technical Specifications

		C- module		F- module		V- module	
		Switch disconnector	Earthing switch	Switch fuse	Downstream earthing switch	Vacuum circuit breaker	Earthing switch
<b>Rated voltage</b>	kV	12 / 17,5 / 24	12 / 17,5 / 24	12 / 17,5 / 24	12 / 17,5 / 24	12/15,2/17,5/24	12/15,2/17,5/24
<b>Power frequency withstand voltage</b>	kV	28 / 38 / 50	28 / 38 / 50	28 / 38 / 50	28 / 38 / 50	28 / 38 / 38 / 50	28 / 38 / 38 / 50
<b>Impulse withstand voltage</b>	kV	95 / 95 / 125	95 / 95 / 125	95 / 95 / 125	95 / 95 / 125	95 / 95 / 95 / 125	95 / 95 / 95 / 125
<b>Rated current</b>	A	630 / 630 / 630		Ver <sup>1)</sup>		630/630/630/630	
Breaking capacities:							
closed loop	A	630 / 630 / 630					
of load cable charging	A	135 / 135 / 135					
of load transformer	A			20 / 20 / 20			
earth fault	A	200 / 150 / 150					
earth fault cable charging	A	115 / 87 / 87					
short circuit breaking current	kA			Ver <sup>2)</sup>		21 / 21 / 16 / 16	
<b>Making capacity</b>	kA	62,5 / 52,5 / 52,5	62,5 / 52,5 / 52,5	Ver <sup>2)</sup>	12,5 / 12,5 / 12,5	52,5/52,5/40/40	52,5/52,5/40/40
<b>Short time current 1 sec.</b>	kA	25 / - / -	25 / - / -		5 / 5 / 5		
<b>Short time current 3 sec.</b>	kA	21 / 21 / 21	21 / 21 / 21			21 / 21 / 16 / 16	21 / 21 / 16 / 16

1) Depending on the current rating of the fuse 2) Limited by high voltage fuse links  
SafeRing and SafePlus are tested according to IEC publications IEC 60265, IEC 60129, IEC 60056, IEC 60420, IEC 60694 and IEC 60298.

## Dimensional drawing



## Available modules of SafePlus

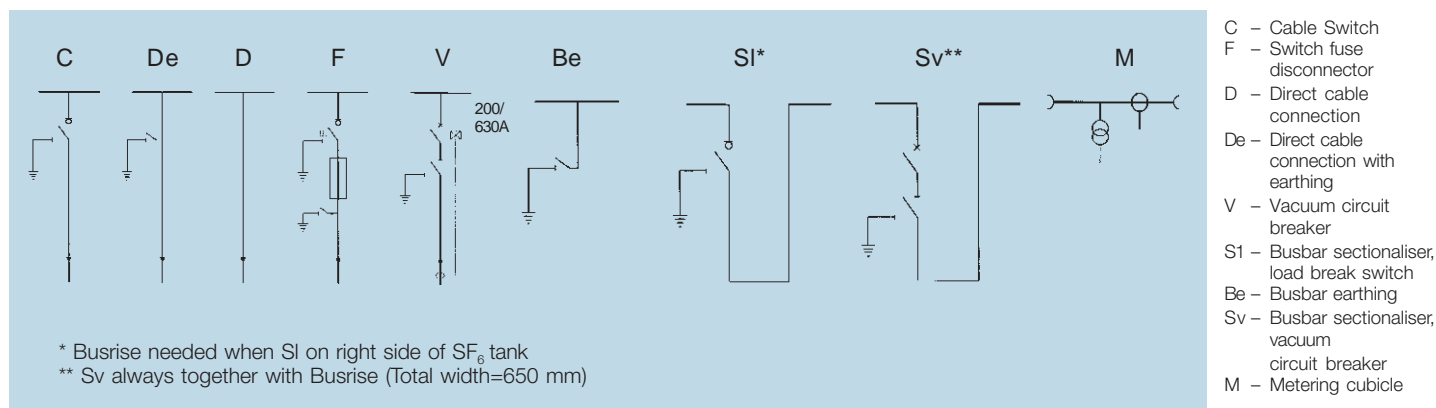


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