



Disconnectors type VSSB are vertical-break isolating switches designed for operation in outdoor substations.

Disconnectors are used for isolation of systems by creating an isolating distance.

They may also be fitted with one or two earthing switches.

The disconnectors are designed in compliance with publication IEC 62271-102; IEC 62271-1 and most other national regulations.

Advantages:

- ✓ Low installation costs due to its simplicity.
- ✓ Ideal for high loads thanks to its robust construction and fault resistance.
- ✓ Extremely low life cycle cost – almost maintenance-free disconnector.

TECHNICAL DATA

Rated voltage (kv)			123	245	420
A	Isolation distance	mm	1450	2600	4000
B	Total pole length of disconnector in closed position	mm	2660	3810	5232
C	Height of the high-voltage terminal	mm	1550	2685	3573
D	Height of support and rotation insulators	mm	1220	2300	3350
E	Total height of disconnector in open position	mm	3115	5395	7475

Rated voltage	kV	123	245	420
Rated power-frequency withstand voltage 50 Hz, 1min - to earth and between poles - across open switching device	kV	230	460	520
	kV	265	530	610
Rated lighting impulse withstand voltage 1,2 / 50 μ s - to earth and between poles - across open switching device	kV	550	1050	1425
	kV	630	1200	1425(+240)*
Rated switching impulse withstand voltage 250/2500 μ s (value peak) - to earth and between poles - across open switching device	kV	—	—	1050
	kV	—	—	900(+345)*
Rated normal current	kV	1600	1600	1600
Rated peak withstand current of disconnecter and earthing switch	kV	80	80	80
Rated short-time withstand current (r.m.s.)	kV	32	32	32
Rated normal current	A	2000	2000	2000
Rated peak withstand current of disconnecter and earthing switch	kA	100	100	100
Rated short-time withstand current (r.m.s.)	kA	40	40	40
Rated normal current	A	3150	3150	3150
Rated peak withstand current of disconnecter and earthing switch	kA	125	125	125
Rated short-time withstand current (r.m.s.)	kA	50	50	50
Rated normal current	A	4000	4000	4000
Rated peak withstand current of disconnecter and earthing switch	kA	160	160	160
Rated short-time withstand current (r.m.s.)	kA	63	63	63
3- phase breaking capacity inductive / capacitive	A	1,5	1,5	1
Bus-transfer switching ability**	A/V	1600 / 100	1600 / 200	1600 / 300
Inducted current switching ability class A ** for electromagnetic coupling	A/kV	80 / 2	80 / 2	160 / 10
	A/kV	2 / 6	3 / 12	18 / 20

* Values in brackets are peak values of power frequency voltage applied to the opposite terminal

** As an option

