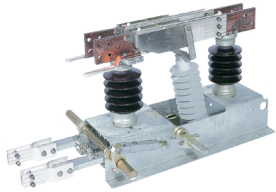


OUTDOOR VERTICAL BREAK DISCONNECTOR SWITCH UP TO 72.5kV



MAIN FEATURES

- Used for power transmission and distribution (MV/HV substations, industries, SVC & Statcom, mobile substations), for railway electrification (traction and containerized substations, catenaries, feeders, urban networks).
- Arrangement in horizontal, vertical, reversed, back to back position, single-pole or group operated. Options: earthing switch, enclosure/cubicle, common frame up to 38kV, grease free version for low maintenance, flexible drive rod for tunnel arrangement.
- Standards references : IEC 62271-1/2/102/200, EN 50152-2.

TECHNICAL FEATURES

SERVICE CONDITIONS	
Condition of use	Outdoor
Operating temperature range	-25°C / +40°C (option: special service conditions)
Seismic withstand	≤ 0,2 g (option: higher service conditions)
Ice operation	1 mm (option: higher service conditions)

ELECTRICAL								
Rated voltage	Ur	kV		24	36	38	52	72,5
Rated lightning impulse withstand voltage (BIL)	Up	kV		95 - 125	170	200	250	325
Rated frequency	Fr	Hz		16.7 - 50/60				
Rated current	Ir	A	1250	31,5	31,5	31,5	31,5	31,5
			2000	31,5	31,5	31,5	31,5	31,5
Short time current (Ik max) kA			3150	63	63	63	63	-
			4000	63	63	63	-	-
			6300	63	63	63	-	-
			8000	80	80	80	-	-

peak values (Ip peak) in kA for short time current: 31.5kA: 82 - 63kA: 164 - 80kA: 208.

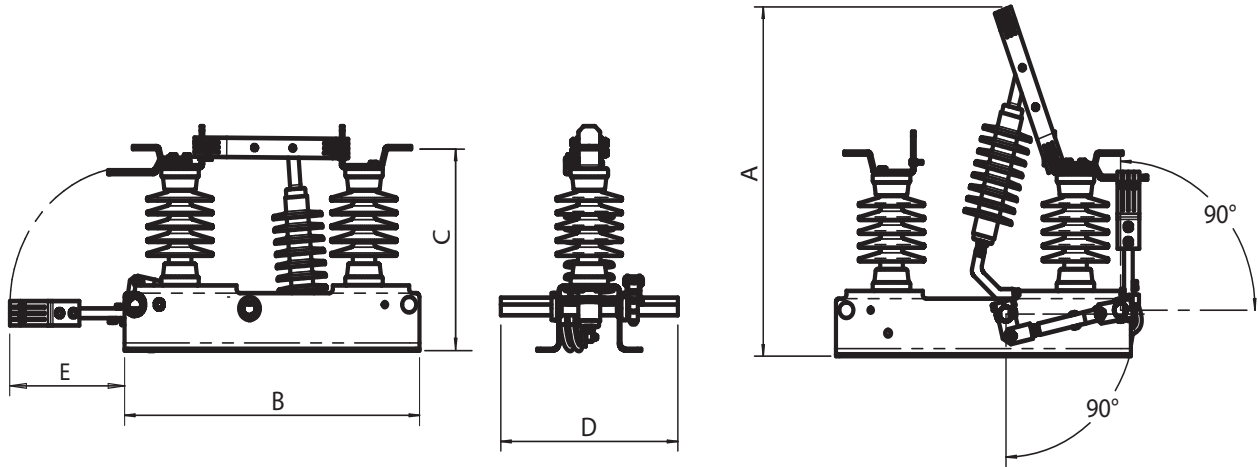
MECHANICAL	standard	option
Mechanical endurance / lifetime	2 000 operations	10 000 operations
Creepage distance	Cl3 (d)	Cl4 (e)
Insulator type	Porcelain (brown)	Silicone
Primary terminals	Bare copper pads	Tinned copper, silver plated copper or aluminium pads

OPTIONAL DEVICES

Configurations	Common frame (< BIL 200kV), enclosed, grease free, flexible rod
Operating mechanisms	Electrical drive or manual drive
Quick breaking device (RB)	≤ 52kV : RB - inductive (6,3A) / capacitive (10A) ≥ 52kV : MC802 - inductive (6A) / capacitive (15A)
Small current breaking and making device (arcing horns)	0.5
Earthing switch position	1 side or both sides
Earthing switch operation type	Independent or automatic *
Ik earthing switch (kA/1s)	Same as disconnector values with tk:1s (contact us for 3s values)

* When disconnector opens, earthing switch closes and conversely.
For other values, please contact us.

OUTLINE DRAWING



Detailed layout and digital drawing available on request.

Terminal pads	Ir	Nb pads	Position	Ir	Nb pads	Position	Ir	Nb pads	Position	Ir	Nb pads	Position
		1250A/2000A	1	H*	3150A/4000A	1	V*	6300A	2	V*	8000A	3

Ur	Ir max	A	B	C	D	E	Weight/pole (approx.) kg
		mm	mm	mm	mm	mm	
3-24kV	8000A	1000	850	575	630	525	From 30 to 80
36kV	8000A	1293	1000	745	630	517	
38kV	8000A	1280	1000	727	630	482	
52kV	3150A	1585	1160	843	630	600	
72,5kV	2000A	1815	1435	1000	630	810	

* V = Vertical. H = Horizontal. Above are mentioned maximum dimensions, tolerance $\pm 10\%$. For other values, please contact us.

RELATED EQUIPMENT

ST90 EARTHING SWITCH	SBI VERTICAL BREAK DISCONNECTOR	MR41E UNIVERSAL SMART DRIVE	S-TORQUE MECHANICAL FAILURE AND POSITION DETECTION	S-COM REMOTE CONTROL BOARD	S-VOLT VOLTAGE DETECTOR