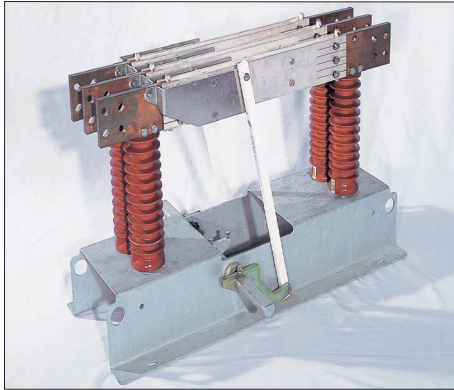


Indoor tilt disconnecter switch

TYPE SBI

Ur : 24 à 36 kV - BIL 125 à 170 kV - Ir ≤ 8000 A

Ik ≤ 80 kA - Ip ≤ 208 kA



Applications

- Vertical air breaking switch disconnecter
- Installation can be either horizontal, vertical or reversed.

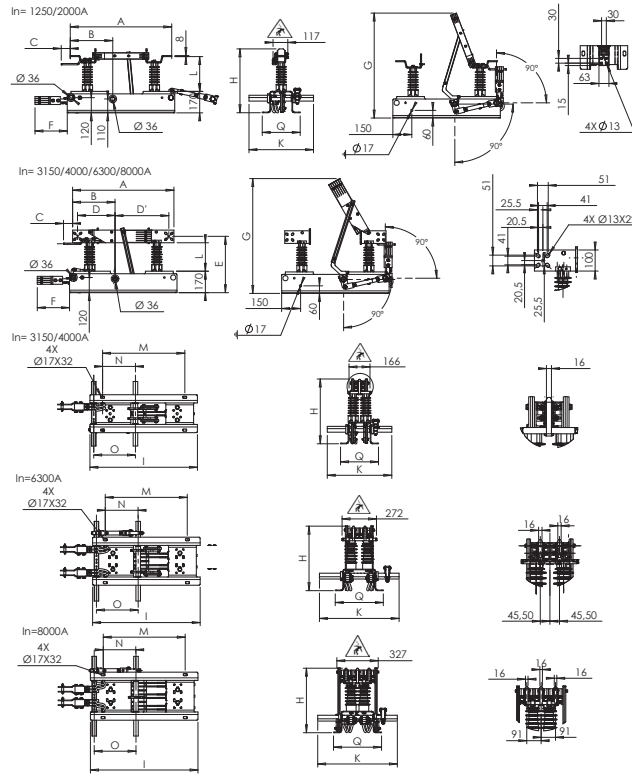
Technical datas

- Dielectric withstand at 50 Hz for 1 minute (kV rms)
 - to earth 24 kV : 50 kV - 36 kV : 70 kV
 - accross isolating distance 24 kV : 60 kV - 36 kV : 80 kV
- Dielectric withstand rated lightning impulse withstand (1,2 / 50 μs)
 - to earth 24 kV : 125 kV - 36 kV : 170 kV
 - accross isolating distance 24 kV : 145 kV - 36 kV : 195 kV
- Epoxy resin insulator
 - minimum creepage distance 24 kV : 350 mm - 36 kV : 440 mm (higher values upon request)
- Primary Terminals Tinned copper pads
- Seismic withstand 0,2 g (higher values upon request)
- Mechanical endurance 2000 cycles
- Small current breaking capacity 0,5 A (higher values upon request)
- Weight per pole See table

Options

- Specific voltage upon request 7,2 kV - 17,5 kV - 38 kV
- Available in grease free version
- Associated earthing switch
 - Rated short-circuit withstand current Ik same as disconnecter
- Automatic earthing switch, synchronized with the disconnecter
- Interlocking device with other functions mechanical, electrical, electromagnetic (coil)
- Main disconnecter and earthing switch drives
 - Gang-operated or single pole operated
 - manual (MOM) or electrical (EOM)
- Three-pole disconnecter on a common frame

Outline drawing



The drawing above is given for information only. Detailed layout available upon request.

Type	Rated voltage Ur	Rated current Ir	Ik	A	B	C	D	D'	E	F	G	H	I	J	K	L	M	N	O	P	Q	Weight (Kg)	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SBI INDOOR TILT DISCONNECT SWITCH	24 kV	1250A	31,5 kA	800	335	70	/	/	/	255	830	475	850	510	510	275	650	260	330	260	300	29	39
		2000A	31,5 kA	800	335	70	/	/	/	255	830	485	850	510	510	275	650	260	330	260	300	30	40
		3150A	63 kA	800	335	70	295	425	445	255	910	515	850	510	510	225	650	260	330	260	300	41	50
		4000A	63 kA	800	335	70	295	425	445	255	910	515	850	510	510	225	650	260	330	260	300	43	52
		6300A	63 kA	800	335	70	295	425	445	255	910	515	850	630	630	225	650	260	330	340	380	62	77
		8000 A	80 kA	800	335	70	295	425	445	255	910	515	850	630	630	225	650	260	330	340	380	76	90
SBI INDOOR TILT DISCONNECT SWITCH	25,8 36 kV	1250A	31,5 kA	950	360	70	/	/	/	340	1015	590	1000	630	630	345	800	285	355	260	300	36	47
		2000A	31,5 kA	950	360	70	/	/	/	340	1015	590	1000	630	630	345	800	285	355	260	300	37	38
		3150A	63 kA	950	360	70	295	550	530	340	1130	595	1000	630	630	310	800	285	355	260	300	51	61
		4000A	63 kA	950	360	70	295	550	530	340	1130	595	1000	630	630	310	800	285	355	260	300	53	63
		6300A	63 kA	950	360	70	295	550	530	340	1130	595	1000	630	630	310	800	285	355	260	300	73	88
		8000 A	80 kA	950	360	70	295	550	530	340	1130	595	1000	630	630	310	800	285	355	260	300	93	108

Here above are mentioned maximum dimensions. For higher performances, please consult us.

General features

- IEC standards compliant
- Type tests reports available upon request