

DATA SHEET FOR 33KV OUTDOOR TYPE VACUUM CIRCUIT BREAKER

Sr. No.	Description	Particulars
1	Name of manufacturer	
2	Manufacturer's Type Designation	OVB - VBF
3	Type	Outdoor
4	Reference Standard	IEC 62271-100
5	Rated Voltage	33kV
6	Maximum (continuous) rated service voltage	36kV
7	Nominal current rating	1250A/1600 A
8	Frequency	50 Hz
9	Short Time current rating	26.3kA for 3sec
10	Breaking capacity	26.3kA
11	Making capacity	66kA peak
12	Maximum Temperature rise over ambient	Within limits as per EC 62271-100
13	Dry - 1 minute power frequency withstand	
	a between line terminal and grounded objects	70KV rms
	b between terminals with breaker contacts open	70KV rms
14	1.2/50 micro second full wave impulse	
	a Between line terminals and grounded objects	170KV peak
	b between terminals with breaker contacts open	170KV peak
15	The rating of the circuit breaker for capacitor switching	400A
16	Opening Time	45 (+15/-10) ms
17	Closing Time	65 (\pm 15) ms
18	Total creepage distance	900mm
19	Number of poles of circuit breaker	3
20	Number of breaks per phase	1
21	Number of spare auxiliary contacts provided	
	a Those closed when breaker is closed	4
	b Those open when breaker is closed	4
22	Type of operating mechanism	Spring operated mechanism
23	Control circuit voltage	250VDC
	a Operating voltage of tripping coil	70% to 110% of the Control voltage
	b Operating voltage of closing coil	85% to 110% of the Control voltage
24	Voltage of spring charging motor	230V AC/220V DC Universal motor.
25	Time required for motor to charge the spring fully.	15 sec (Max)
27	Overall dimension	Please refer GA drawing
28	Mounting Details	Please refer GA drawing