

TECHNICAL PARTICULARS OF 132 KV AND 33 KV ISOLATORS:

	Type	132 KV	33 KV
1	Main Switch	Double end break center post rotating, gang operated	
2	Service	Outdoor	
3	Applicable Standards	IS:9921/IEC-62271-102	
4	No. of Phases	3 phases	
5	Designed Ambient temperature	50 °C	
6	Type of operation	Mechanically ganged	
7	Rated Voltage	In KV	In KV
	a) Nominal	132	33
	b) Maximum	145	36
8	Rated Currents (Amps)	1250	400
9	Short time current for 3 sec (kA)	31.5	25
10	Rated frequency	50 Hz ± 5%	
11	System earthing	Effectively earthed	
12	Temperature rise	As per relevant IS/IEC standards	
13	Lightning Impulse withstand voltage(kVp)		
	a) Across isolating distance	750	195
	b) To earth	650	170
14	1 minute power frequency withstand voltage (KV)		
	a) Across isolating distance	315	80
	b) To earth	275	70
15	Operating mechanism		
	a) Isolator	Motor	Manual
	b) Earth switch	Manual	Manual
16	Auxiliary voltage		
	a) Control and interlock	220 V DC (80% to 110%)	
	b) Motor voltage	3 Phase 415 V AC 50 Hz	N A
17	Number of auxiliary switch for main isolator	8 NO/ 8NC	6 NO/6NC
18	Number of auxiliary switch in earth switch	4.NO/4NC	-
19	Phase to Phase spacing (mm)	2700	1500