

**Guaranteed Technical Particular for 11 KV, 200 Amps A.B Switch (2 Pole)**

Sl. No	Particulars	Requirements
1	Make's Name and Country of origin	
2	Type of switches	Rotating type only
3	Suitable for mounting	Horizontal only
4	No of support point insulator per phase	2 nos. 12 Kv post insulator as per IS: 2544/1973
<b>5</b>	<b>Post Insulator</b>	
a	Make's Name and Country of origin	JSI/ Mayur/ TCL/ IP
b	Type of Cementing	Original cementing only
c	one minute power frequency withstand voltage dry	35 KV (rms)
d	One minute power frequency withstand voltage wet	35 KV (rms)
e	Visible discharge voltage	9 KV (rms)
f	Dry flash over voltage	85 KV
g	Power frequency puncture withstand voltage	1.3 times of actual dry flash over voltage
h	Creeping distance	230 mm. However, the actual creepage distance for which type test has been conducted is to be supplied.
6	Impulse withstand voltage for positive and negative polarity 1.2/60 microsecond wave	
a	Across the terminal of open switch	85 KA (peak)
b	To earth and between pole	75 KA (peak)
7	Rated one minutes power frequency with stand voltage	
	Across the isolating distance	32 KA (rms)
	To earth and between poles	28 KA (rms)
8	Rated normal current and rated frequency	200 Amps. 50 Hz
9	Rated short circuit making capacity	25 KA (peak)
10	rated shot line current	20 KA (rms)
11	Rated rank withstand current	50 KA (peak)
12	Minimum clearance between adjacent phases	
a	Switch closed (centre to centre)	760 mm
b	Switch opened (centre of post insulator to the edges of the blade)	380 mm
<b>13</b>	<b>Temperature rise</b>	
	Temperature rise will not exceed to maximum limit no specified below at end and ambient temperature not exceeding 40° C	65° C
	Copper contacts silver phased terminal of switch indented to the conductor to external conductor by boiled or growth at an ambient temperature will not exceed	50° C
14	Vertical clearance from the top of insulator cap to mounting channel	254 mm
15	Type of content	<p>Self aligned, high pressure Jaw type fix contacts of electrolytic copper of size 70x35x6 mm duly silver plated. Each contact should be riveted with three nos. copper rivets with a bunch (minimum 3mm thick) consisting of copper foils may vary from 0.15 mm to 0.25mm (total thickness of copper foil per jaw shall be 6mm). Jaw assemblies are to be bolted through brass bolts and nuts with brass flat and spring washer.</p> <p>Solid rectangular blade type moving contact of electrolytic copper size 220mm x 35mm x6mm duly silver plated.</p> <p>Pressure springs to be used in Jaw contacts should be phosphorous bronze having 8 nos. of turns x28mm height x14.4 mm dia with 14 SWG wire (minimum 6 nos spring shall be used)</p>

