



TECHNICAL DATA SHEET

SI.No	Description	Technical Parameters			
1	Description of the Switchgear	Railway Track-side Breakers		Railway Track-side Interrupters	
2	Standards followed in design, manufacture and testing	IEC 62271-100, TI/SPC/PSI/CB/0000 with A&C Slip No. 1-4		IEC 62271-100, ETI/PSI/167(9/97) with A&C Slip No. 1	
3	Type Designation	MSTB-F2720/20	MSTB-P2720/20	MSTI-F2716/8	MSTI-P2716/8
4	Rated System Voltage	27.5kV	27.5kV	27.5kV	27.5kV
5	Voltage rating class - Indian Railways insulation level	52kV	52kV	52kV	52kV
6	Rated continuous Current	2000A	2000A	1600A	1600A
7	System Frequency	50Hz	50Hz	50Hz	50Hz
8	One minute Power Frequency Voltage withstand level	95kVrms	95kVrms	95kVrms	95kVrms
9	1.2/50micro-second Impulse Voltage withstand level	250kVp	250kVp	250kVp	250kVp
10	Insulation	Inert gas	Inert gas	Inert gas	Inert gas
11	No. of Poles	1	1	1	1
12	Rated short time withstand current	20kA / 3 Sec	20kA / 3 Sec	8kA / 3 Sec	8kA / 3 Sec
13	Rated symmetrical short circuit breaking capacity	20kA	20kA	Not applicable	Not applicable
14	Rated assymetrical current breaking capacity	23kA	23kA	Not applicable	Not applicable
15	Rated short circuit making capacity	50kAp	50kAp	20kAp	20kAp
16	Line charging breaking current	10A	10A	10A	10A
17	Cable charging breaking current	50A	50A	Not applicable	Not applicable
18	Capacitor bank breaking current	150A	150A	150A	150A
19	Control cubicle provided or not	Built-in VCB	Separate panel	Built-in type	Separate panel
20	Approximate Breaker Weight	310kgs	310kgs	310kgs	280kgs
21	Termination suitable for	ACSR Conductor / XLPE Cables			
22	Type of operating mechanism	Magnetic Actuator Mechanism			
23	Installation	GI Frame	Pole mounted	GI Frame	Pole mounted
24	Degree of protection	Outdoor IP:55		Outdoor IP:55	
25	Paint type and shade	Painted to Shade RAL 7032			