



ORANGE

ORANGE POWER TRANSMISSION & DISTRIBUTION
EQUIPMENTS PVT. LTD.

SURGE ARRESTER



- TYPE TESTED AT CPRI BANGALORE
- APPROVED BY VARIOUS DISCOMs ACROSS COUNTRY
- DESIGNED & MANUFACTURED IN CONFIRMITY TO BIS 3070 PART 3 & IEC 60099 (4)
- IN HOUSE R&D & TESTING FACILITY UPTO 400 KV

SURGE ARRESTERS-Distribution Class

- Arrester type & class : Gapless, Distribution class
- Reference Standard : IEC-60099-4 & IS-3070 part-III
- Rated frequency : 50Hz
- Product Range : 0.5kV to 36kV

Model No.	Rated Voltage kV	MCOV kV	Steep Impulse RDV kV	Lightning Impulse RDV(8/20 μ s)	Lightning Impulse RDV(8/20 μ s)	Lightning Impulse RDV(8/20 μ s)	Creepage Distance mm	Overall Height (H) mm
				2.5kA	5kA	10kA		
OPTD-0515	0.5	0.4						
OPTD-0305	3	2.4	12.3	9.9	11	12.3	150	230
OPTD-0605	6	4.8	24.6	19.8	22	24.6	150	230
OPTD-0905	9	7.2	33.6	27.27	30	33.6	300	300
OPTD-1205	12	9.6	49.3	39.6	44	49.3	300	300
OPTD-1805	18	14.4	67.2	54	60	67.2	600	425
OPTD-2405	24	19.2	90	72	80	90	600	425
OPTD-3005	30	24	106	85.1	94.5	106	900	530
OPTD-3605	36	28.8	134	108	120	134	900	530

SURGE ARRESTERS- Station Class

- Arrester type & class : Gapless, Station class
- Reference Standard : IEC-60099-4 & IS-3070 part-III
- Nominal discharge current : 10kA
- High Current Impulse withstand(4/10 μ s) : 100kA
- Rated frequency : 50Hz
- Product Range : 9kV to 216kV
- Pressure relief class : 40kA

Model No.	Class	Rated Voltage kV	MCOV kV	Steep Impulse RDV kV	Switching Impulse RDV at 125A(30/60 μ s)	Switching Impulse RDV at 500A(30/60 μ s)	Lightning Impulse RDV(8/20 μ s)			Creepage Distance mm	Overall Height (H) mm
							5kA	10kA	20kA		
OPTD-0910	1	9	7.2	30.8	19.4	20.3	24.4	26.7	29.5	300	390
OPTD-0910	2	9	7.65	27.4	18.6	19.1	23.2	24.5	27.4	300	390
OPTD-1810	1	18	14.4	61.7	38.9	40.5	48.7	53.3	59	600	500
OPTD-3010	1	30	24	102.8	64.8	67.5	81.2	88.9	98.4	900	570
OPTD-3010	2	30	25.5	90.5	56.0	57.5	73.1	79.1	88.2	900	570
OPTD-3010	3	30	25.5	78.8	49.1	50.7	62.7	67.5	73.5	900	570
OPTD-6010	2	60	51.0	180.9	112	115.1	146.3	158.3	176.4	1810	960
OPTD-6010	3	60	51.0	177	117	121	143	154	169	1810	960
OPTD-9610	3	96	81.5	283	188	194	229	246	270	3075	1280
OPTD-12010	3	120	102	372	234	243	320	340	380	3625	1930
OPTD-13210	3	132	106	374	272	279	323	340	381	3625	1930
OPTD-19810	3	198	168.3	600	381	395	518	550	610	6125	2850
OPTD-21610	3	216	183.6	654.5	415.6	430.9	565.5	600	665.5	6125	2850

SURGE ARRESTERS - Accessories



Arrester Disconnecter



Surge Monitor



ORANGE POWER T & D EQUIPMENTS (P) LTD.

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