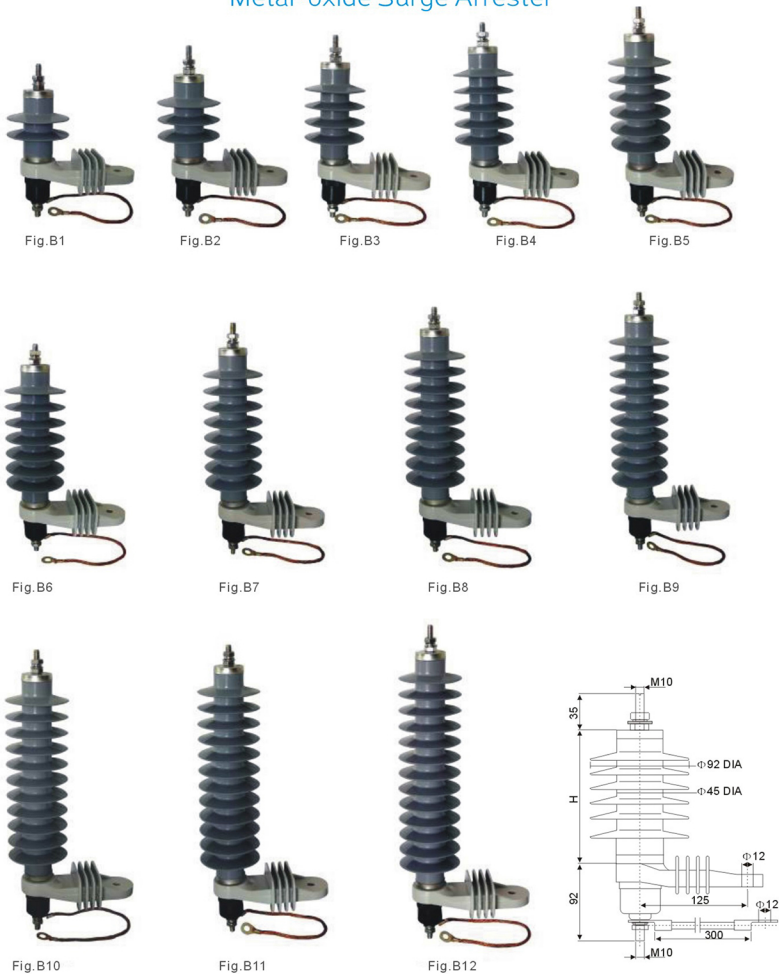


Metal-oxide Surge Arrester

YH5W,YH10W Series Polymer Housing Surge Arrester

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Table 1-Main Technical Parameter of Polymer Housing Metal-oxide Surge Arrester

(Nominal Discharge Current:5kA)

Manufacturer		Ouwei Electric														
Rated Voltage(Ur)	KV	3	6	9	10	11	12	15	18	21	24	27	30	33	36	
Nominal discharge current(In)	kA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
1 Type		YH5W-3	YH5W-6	YH5W-9	YH5W-10	YH5W-11	YH5W-12	YH5W-15	YH5W-18	YH5W-21	YH5W-24	YH5W-27	YH5W-30	YH5W-33	YH5W-36	
2 Maximum continuous operating voltage(Uc)	kV	2.55	5.10	7.65	8.40	9.35	10.20	12.70	15.30	17.00	19.50	22.00	24.40	26.70	29.00	
3 Residual voltage at																
3.1 -Lightning impulse 8/20 μs	kV	8.6	17.2	25.8	28.5	31.4	34.4	43.0	47.5	57.0	66.5	76.0	83.7	95.0	104.5	
3.2 -Steep current impulse 1/10 μs	kV	9.9	19.8	29.7	32.8	36.1	39.6	49.5	54.6	65.5	76.4	87.4	96.2	109.2	125.2	
3.3 -Switching impulse 30/60 μs	kV	7.3	14.6	21.9	24.2	26.7	29.2	36.5	40.3	48.4	56.5	64.6	71.1	80.7	88.8	
4 Long duration current impulse withstand																
4.1 -2ms rectangular current withstand	A	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
5 Operating duty																
5.1 -4/10 μs high current impulse withstand	kA	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
6 Housing insulation withstand																
6.1 -Lightning impulse	kV	40	60	65	75	85	95	105	120	125	135	155	170	185	190	
6.2 -Power frequency. (Wet)	kV	20	25	30	30	40	40	50	55	58	60	60	70	75	85	
7 Partial discharge	pC	< 10														
8 Creepage distance	mm	169	235	301	301	367	367	433	499	565	631	697	763	829	900	
9 Creepage distance/ rated voltage ratio	mm/kV	56.0	39.0	33.4	30.1	33.3	30.5	28.8	27.7	26.9	26.3	25.8	25.4	25.1	25.0	
10 Mechanical section length(Drawing "H")	mm	110	135	160	160	185	185	210	235	260	285	310	335	360	385	
11 Shed number	PCS	2	3	4	4	5	5	6	7	8	9	10	11	12	13	
12 Mechanical strength																
12.1 -Torsional	Nm	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
12.2 -Cantilever	N	147	147	147	147	147	147	147	147	147	147	147	147	147	147	
13 Package data																
13.1 -Net weight of each unit	Kg	1.03	1.17	1.33	1.35	1.48	1.48	1.64	1.76	1.95	2.11	2.29	2.38	2.56	2.67	
13.2 -Dimensions (6PCS/CTN)	cm	33x32x23	36x32x23	38x32x23	38x32x23	40x32x23	40x32x23	43x32x23	43x32x23	45x32x23	48x32x23	50x32x23	53x32x23	55x32x23	58x32x23	60x32x23
14 Figure No.		Fig.B1	Fig.B2	Fig.B3	Fig.B3	Fig.B4	Fig.B4	Fig.B5	Fig.B6	Fig.B7	Fig.B8	Fig.B9	Fig.B10	Fig.B11	Fig.B12	