

## Metal-oxide Surge Arrester

YH5W,YH10W Series Polymer Housing Surge Arrester



Fig.B13

Fig.B14

Fig.B15

Fig.B16

Fig.B17



Fig.B18

Fig.B19

Fig.B20

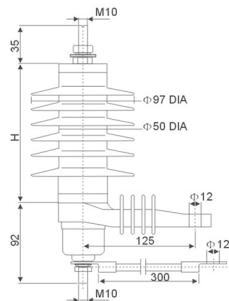
Fig.B21



Fig.B22

Fig.B23

Fig.B24



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Table 2-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	8.4	16.8	25.2	27.9	30.7	33.6	42.0	46.5	55.8	65.1	74.4	83.7	93.0	102.0
3.2 -Steep current impulse 1/10 μs	kV	9.6	19.2	28.8	32.0	35.3	38.6	48.0	53.5	64.1	74.8	85.5	96.2	106.9	117.6
3.3 -Switching impulse 30/60 μs	kV	7.1	14.2	21.3	23.7	26.0	28.4	35.5	39.5	47.4	55.3	63.2	71.1	79.0	87.7
4 Long duration current impulse withstand															
4.1 -2ms rectangular current withstand	A	150	150	150	150	150	150	150	150	150	150	150	150	150	150
5 Operating duty															
5.1 -4/10 μs high current impulse withstand	kA	65	65	65	65	65	65	65	65	65	65	65	65	65	65
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	65	70	75	85
7 Partial discharge	pC	<10													
8 Creepage distance	mm	140	205	270	270	335	335	400	465	530	600	675	750	855	920
9 Creepage distance/ rated voltage ratio	mm/kV	46.7	34.2	30.0	27.0	30.0	27.9	26.6	25.8	25.2	25.0	25.0	25.0	25.9	25.5
10 Mechanical section length(Drawing "H")	mm	85	110	135	135	160	160	185	210	235	260	285	310	360	385
11 Shed number	PCS	2	3	4	4	5	5	6	7	8	9	10	11	13	14
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	1.09	1.28	1.47	1.47	1.66	1.66	1.83	2.03	2.23	2.43	2.59	2.82	3.15	3.35
13.2 -Dimensions (PCS/CTN)	cm	31x32x23	33x32x23	36x32x23	36x32x23	38x32x23	38x32x23	41x32x23	43x32x23	45x32x23	48x32x23	51x32x23	53x32x23	58x32x23	60x32x23
14 Figure No.		Fig.B13	Fig.B14	Fig.B15	Fig.B15	Fig.B16	Fig.B16	Fig.B17	Fig.B18	Fig.B19	Fig.B20	Fig.B21	Fig.B22	Fig.B23	Fig.B24