

Metal-oxide Surge Arrester

YH5W,YH10W Series Polymer Housing Surge Arrester

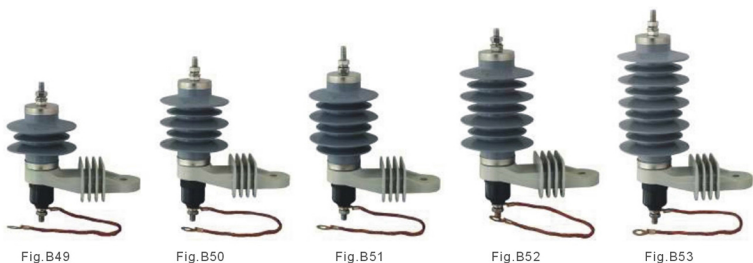


Fig. B49

Fig. B50

Fig. B51

Fig. B52

Fig. B53



Fig. B54

Fig. B55

Fig. B56

Fig. B57



Fig. B58

Fig. B59

Fig. B60

Metal-oxide Surge Arrester

YH5W,YH10W Series Polymer Housing Surge Arrester

Table 5-Main Technical Parameter of Polymer Housing Metal-oxide Surge Arrester

Nominal Discharge Current: 10kA

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	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1 Type		YH10W-3	YH10W-6	YH10W-9	YH10W-10	YH10W-11	YH10W-12	YH10W-15	YH10W-18	YH10W-21	YH10W-24	YH10W-27	YH10W-30	YH10W-33	YH10W-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	8.8	17.6	26.4	29.4	32.3	35.2	44.0	49.0	58.8	68.6	78.4	88.2	98.0	107.8
3.2 -Steep current impulse 1/10 μs	kV	10.1	20.2	30.3	33.6	37.0	40.4	50.5	56.0	67.2	78.4	89.6	100.8	112.0	123.2
3.3 -Switching impulse 30/60 μs	kV	7.4	14.8	22.2	24.9	25.6	29.6	37.0	41.5	49.8	58.1	66.4	74.7	83.0	91.3
3.4 -Switching surge (Peak current)	A	500	500	500	500	500	500	500	500	500	500	500	500	500	500
4 Long duration current impulse withstand															
4.1 -2ms rectangular current withstand	A	250	250	250	250	250	250	250	250	250	250	250	250	250	250
4.2 -Line discharge class(10kA & up)		1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Operating duty															
5.1 -4/10 μs high current impulse withstand Housing insulation withstand	kA	100	100	100	100	100	100	100	100	100	100	100	100	100	100
6															
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	146	211	276	276	341	341	406	471	536	601	675	750	861	926
9 Creepage distance/ rated voltage ratio	mm/kV	48.0	35.0	30.0	27.6	31.0	28.4	27.0	26.0	25.5	25.0	25.0	25.0	26.0	25.7
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	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	1.19	1.52	1.69	1.69	1.99	1.99	2.32	2.63	2.93	3.18	3.33	3.68	4.00	4.27
13.2 -Dimensions (6PCS/CTN)	cm	31x32x23	33x32x23	36x32x23	36x32x23	38x32x23	38x32x23	41x32x23	43x32x23	45x32x23	48x32x23	51x32x23	53x32x23	58x32x23	60x32x23
14 Figure No.		Fig.B49	Fig.B50	Fig.B51	Fig.B51	Fig.B52	Fig.B52	Fig.B53	Fig.B54	Fig.B55	Fig.B56	Fig.B57	Fig.B58	Fig.B59	Fig.B60