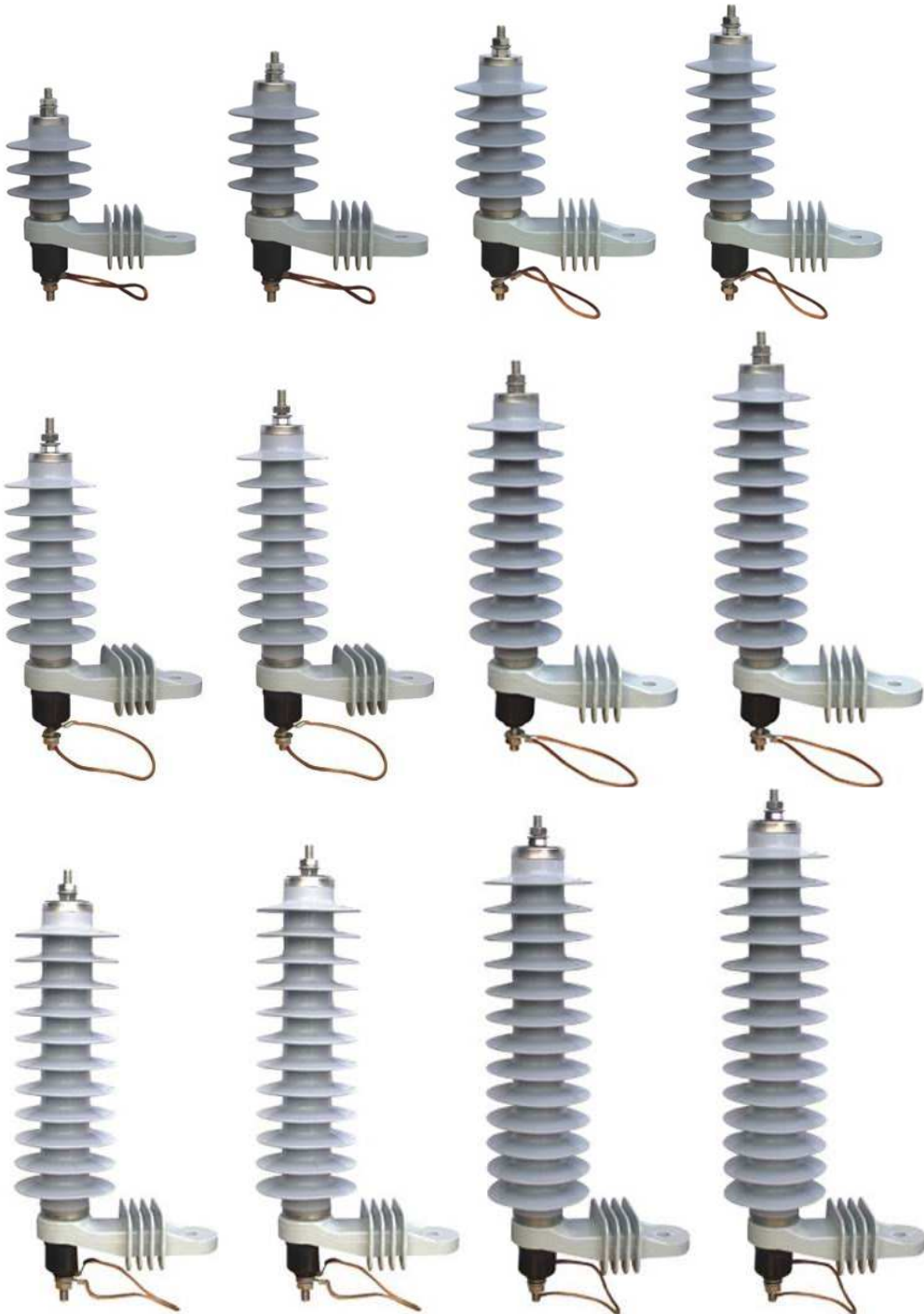




## **SURGE ARRESTER**

The distribution class surge arrester is the most common type of protective devices used on power systems today. The primary function of the distribution surge arrester is to protect the insulation of distribution class oil-filled transformers. WINNING® supplies both polymer-housed and porcelain-housed surge arresters up to 36kV.

### **Polymer Housed Surge Arrester Photo Reference (3 Sheds to 14 Sheds)**





**Polymeric Housed Metal Oxide Surge Arrester without Gaps**

**Nominal Discharge Current: 5kA**

Model	Rated Voltage (kV)	MCOV (kV)	1/4 $\mu$ s Lightning Current Impulse	8/20 $\mu$ s Lightning Current Impulse	30/60 $\mu$ s Switching Current Impulse	2000 $\mu$ s Rectangular Current Impulse Withstand	4/10 $\mu$ s High Current Impulse Withstand
YH5W--3	3	2.55	11.3	9	8.90	150	65
YH5W--6	6	5.10	22.6	18	16.8	150	65
YH5W--9	9	7.05	33.7	27	23.8	150	65
YH5W-10	10	8.40	36.0	30	23.0	150	65
YH5W-11	11	9.40	40.0	33	30.0	150	65
YH5W-12	12	10.2	42.2	36	27.0	150	65
YH5W-15	15	12.7	51.0	45	38.5	150	65
YH5W-18	18	15.3	61.5	54	46.2	150	65
YH5W-21	21	17.0	71.8	63	54.2	150	65
YH5W-24	24	19.5	82.0	72	62.0	150	65
YH5W-27	27	22.0	92.0	81	69.8	150	65
YH5W-30	30	24.4	102	90	79.0	150	65
YH5W-33	33	27.5	112	99	86.7	150	65
YH5W-36	36	29.0	123	108	92.4	150	65

**Physical Specifications for Polymer-Housed Surge Arrester**

Model	Dimensions (mm)		Leakage Distance (mm)	Shed No. PCS	Drawing Reference
	A	B			
YH5W--3	240	110	205	3	
YH5W--6	265	135	275	4	
YH5W--9	290	160	345	5	
YH5W-10	315	185	415	6	
YH5W-11	315	185	415	6	
YH5W-12	315	185	415	6	
YH5W-15	340	210	415	7	
YH5W-18	365	235	485	8	
YH5W-21	390	260	540	9	
YH5W-24	415	285	610	10	
YH5W-27	465	335	750	12	
YH5W-30	465	335	750	12	
YH5W-33	490	360	820	13	
YH5W-36	515	385	890	14	

Shed numbers and terminals can be changed to meet specific.

OEM and custom size of polymer-housed surge arresters are available upon request.



**Polymeric Housed Metal Oxide Surge Arrester without Gaps**

**Nominal Discharge Current: 10kA**

Model	Rated Voltage (kV)	MCOV (kV)	1/4 $\mu$ s Lightning Current Impulse	8/20 $\mu$ s Lightning Current Impulse	30/60 $\mu$ s Switching Current Impulse	2000 $\mu$ s Rectangular Current Impulse Withstand	4/10 $\mu$ s High Current Impulse Withstand
YH10W--3	3	2.55	11.3	9	8.90	250	100
YH10W--6	6	5.10	22.6	18	16.8	250	100
YH10W--9	9	7.05	33.7	27	23.8	250	100
YH10W-10	10	8.40	36.0	30	23.0	250	100
YH10W-11	11	9.40	40.0	33	30.0	250	100
YH10W-12	12	10.2	42.2	36	27.0	250	100
YH10W-15	15	12.7	51.0	45	38.5	250	100
YH10W-18	18	15.3	61.5	54	46.2	250	100
YH10W-21	21	17.0	71.8	63	54.2	250	100
YH10W-24	24	19.5	82.0	72	62.0	250	100
YH10W-27	27	22.0	92.0	81	69.8	250	100
YH10W-30	30	24.4	102	90	79.0	250	100
YH10W-33	33	27.5	112	99	86.7	250	100
YH10W-36	36	29.0	123	108	92.4	250	100

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YH10W-12	315	185	415	6	
YH10W-15	340	210	415	7	
YH10W-18	365	235	485	8	
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YH10W-36	515	385	890	14	

Shed numbers and terminals can be changed to meet specific requirements.

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**Polymeric Housed Metal Oxide Surge Arrester without Gaps**

**Nominal Discharge Current: 5kA**

Model	Rated Voltage (kV)	MCOV (kV)	1/4 $\mu$ s Lightning Current Impulse	8/20 $\mu$ s Lightning Current Impulse	30/60 $\mu$ s Switching Current Impulse	2000 $\mu$ s Rectangular Current Impulse Withstand	4/10 $\mu$ s High Current Impulse Withstand
YH5W--3	3	2.55	11.3	9	8.90	150	65
YH5W--6	6	5.10	22.6	18	16.8	150	65
YH5W--9	9	7.05	33.7	27	23.8	150	65
YH5W-10	10	8.40	36.0	30	23.0	150	65
YH5W-11	11	9.40	40.0	33	30.0	150	65
YH5W-12	12	10.2	42.2	36	27.0	150	65
YH5W-15	15	12.7	51.0	45	38.5	150	65
YH5W-18	18	15.3	61.5	54	46.2	150	65
YH5W-21	21	17.0	71.8	63	54.2	150	65
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YH5W-27	27	22.0	92.0	81	69.8	150	65
YH5W-30	30	24.4	102	90	79.0	150	65
YH5W-33	33	27.5	112	99	86.7	150	65
YH5W-36	36	29.0	123	108	92.4	150	65

**Physical Specifications for Polymer-Housed Surge Arrester**

Model	Dimensions (mm)		Leakage Distance (mm)	Shed No. PCS	Drawing Reference
	A	B			
YH5W--3	222	95	264	3	
YH5W--6	242	115	307	4	
YH5W--9	242	115	307	4	
YH5W-10	265	138	372	5	
YH5W-11	265	138	372	5	
YH5W-12	285	158	415	6	
YH5W-15	308	181	480	7	
YH5W-18	328	201	523	8	
YH5W-21	328	201	523	8	
YH5W-24	371	244	631	10	
YH5W-27	414	287	739	12	
YH5W-30	457	330	847	14	
YH5W-33	457	330	847	14	
YH5W-36	480	353	912	15	

Shed numbers and terminals can be changed to meet specific requirements.

OEM and custom size of polymer-housed surge arresters are available upon request.



**Polymeric Housed Metal Oxide Surge Arrester without Gaps**

**Nominal Discharge Current: 10kA**

Model	Rated Voltage (kV)	MCOV (kV)	1/4 $\mu$ s Lightning Current Impulse	8/20 $\mu$ s Lightning Current Impulse	30/60 $\mu$ s Switching Current Impulse	2000 $\mu$ s Rectangular Current Impulse Withstand	4/10 $\mu$ s High Current Impulse Withstand
YH5W--3	3	2.55	11.3	9	8.90	250	100
YH5W--6	6	5.10	22.6	18	16.8	250	100
YH5W--9	9	7.05	33.7	27	23.8	250	100
YH5W-10	10	8.40	36.0	30	23.0	250	100
YH5W-11	11	9.40	40.0	33	30.0	250	100
YH5W-12	12	10.2	42.2	36	27.0	250	100
YH5W-15	15	12.7	51.0	45	38.5	250	100
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YH5W-30	30	24.4	102	90	79.0	250	100
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YH5W-10	265	138	372	5	
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YH5W-12	285	158	415	6	
YH5W-15	308	181	480	7	
YH5W-18	328	201	565	8	
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YH5W-30	457	330	847	14	
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