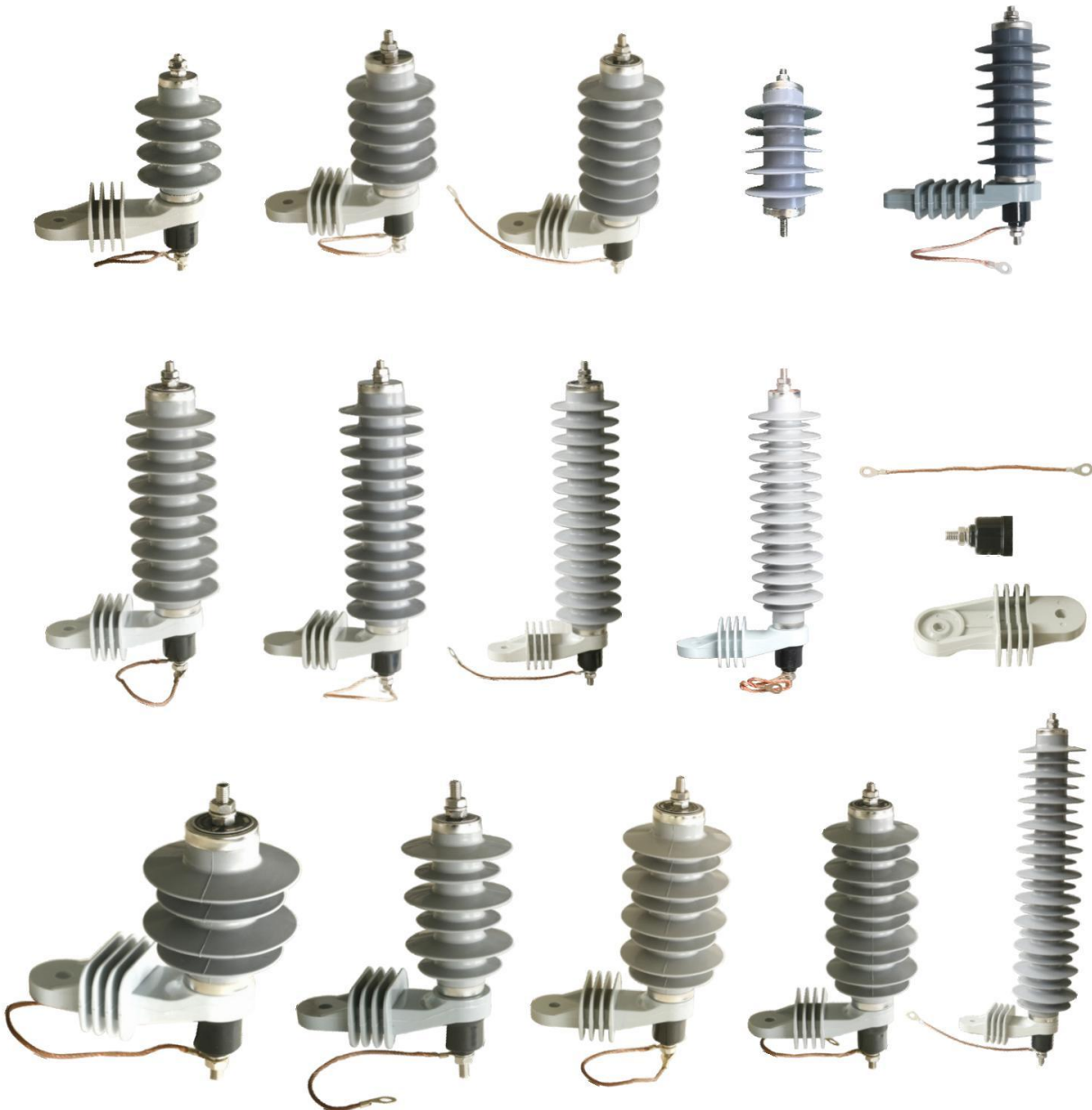


Surge arrester

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. LANGAO supplies both polymer-housed and porcelain-housed surge arresters up to 48kV.

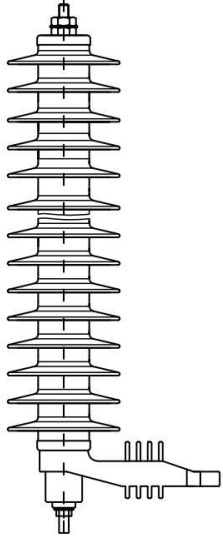
Polymer Housed Surge Arrester Photo Reference (3 Sheds to 22 Sheds)



Polymeric Housed Metal Oxide Surge Arrester without Gaps Nominal Discharge Current: 5kA

Model	Rated Voltage (kV)	MCOV (kV)	1/4 μ s Lightning Current Impulse	8/20 μ s Lightning Current Impulse	30/60 μ s Switching Current Impulse	2000 μ s Rectangular Current Impulse Withstand	4/10 μ s High Current Impulse Withstand
(HY)YH5W--3	3	2.55	11.3	9	8.90	150	65
(HY)YH5W--6	6	5.10	22.6	18	16.8	150	65
(HY)YH5W--9	9	7.05	33.7	27	23.8	150	65
(HY)YH5W-10	10	8.40	36.0	30	23.0	150	65
(HY)YH5W-11	11	9.40	40.0	33	30.0	150	65
(HY)YH5W-12	12	10.2	42.2	36	27.0	150	65
(HY)YH5W-15	15	12.7	51.0	45	38.5	150	65
(HY)YH5W-18	18	15.3	61.5	54	46.2	150	65
(HY)YH5W-21	21	17.0	71.8	63	54.2	150	65
(HY)YH5W-24	24	19.5	82.0	72	62.0	150	65
(HY)YH5W-27	27	22.0	92.0	81	69.8	150	65
(HY)YH5W-30	30	24.4	102	90	79.0	150	65
(HY)YH5W-33	33	27.5	112	99	86.7	150	65
(HY)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			
(HY)YH5W--3	110	200	215	3	
(HY)YH5W--6	135	225	300	4	
(HY)YH5W--9	160	250	372	5	
(HY)YH5W-10	160	250	372	5	
(HY)YH5W-11	160	250	372	5	
(HY)YH5W-12	160	250	372	5	
(HY)YH5W-15	210	300	480	7	
(HY)YH5W-18	235	325	575	8	
(HY)YH5W-21	260	350	630	9	
(HY)YH5W-24	285	375	680	10	
(HY)YH5W-27	310	400	750	11	
(HY)YH5W-30	335	425	820	12	
(HY)YH5W-33	385	475	950	14	
(HY)YH5W-36	385	475	950	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 μ s Lightning Current Impulse	8/20 μ s Lightning Current Impulse	30/60 μ s Switching Current Impulse	2000 μ s Rectangular Current Impulse Withstand	4/10 μ s High Current Impulse Withstand
(HY)YH10W--3	3	2.55	11.3	9	8.90	250	100
(HY)YH10W--6	6	5.10	22.6	18	16.8	250	100
(HY)YH10W--9	9	7.05	33.7	27	23.8	250	100
(HY)YH10W-10	10	8.40	36.0	30	23.0	250	100
(HY)YH10W-11	11	9.40	40.0	33	30.0	250	100
(HY)YH10W-12	12	10.2	42.2	36	27.0	250	100
(HY)YH10W-15	15	12.7	51.0	45	38.5	250	100
(HY)YH10W-18	18	15.3	61.5	54	46.2	250	100
(HY)YH10W-21	21	17.0	71.8	63	54.2	250	100
(HY)YH10W-24	24	19.5	82.0	72	62.0	250	100
(HY)YH10W-27	27	22.0	92.0	81	69.8	250	100
(HY)YH10W-30	30	24.4	102	90	79.0	250	100
(HY)YH10W-33	33	27.5	112	99	86.7	250	100
(HY)YH10W-36	36	29.0	123	108	92.4	250	100
(HY)YH10W-48	48	39.0	165.6	144	122.4	250	100

Physical Specifications for Polymer-Housed Surge Arrester

Model	Dimensions (mm)		Leakage Distance (mm)	Shed No. PCS	Drawing Reference
	A	B			
(HY)YH10W--3	106	196	180	4	
(HY)YH10W--6	134	224	300	6	
(HY)YH10W--9	162	252	372	8	
(HY)YH10W-10	162	252	372	8	
(HY)YH10W-11	162	252	372	8	
(HY)YH10W-12	162	252	372	8	
(HY)YH10W-15	190	280	480	10	
(HY)YH10W-18	218	308	575	12	
(HY)YH10W-21	246	336	630	14	
(HY)YH10W-24	274	364	750	16	
(HY)YH10W-27	274	364	750	16	
(HY)YH10W-30	302	392	925	18	
(HY)YH10W-33	302	392	925	18	
(HY)YH10W-36	358	448	1120	22	
(HY)YH10W-48	522	612	1450	22	