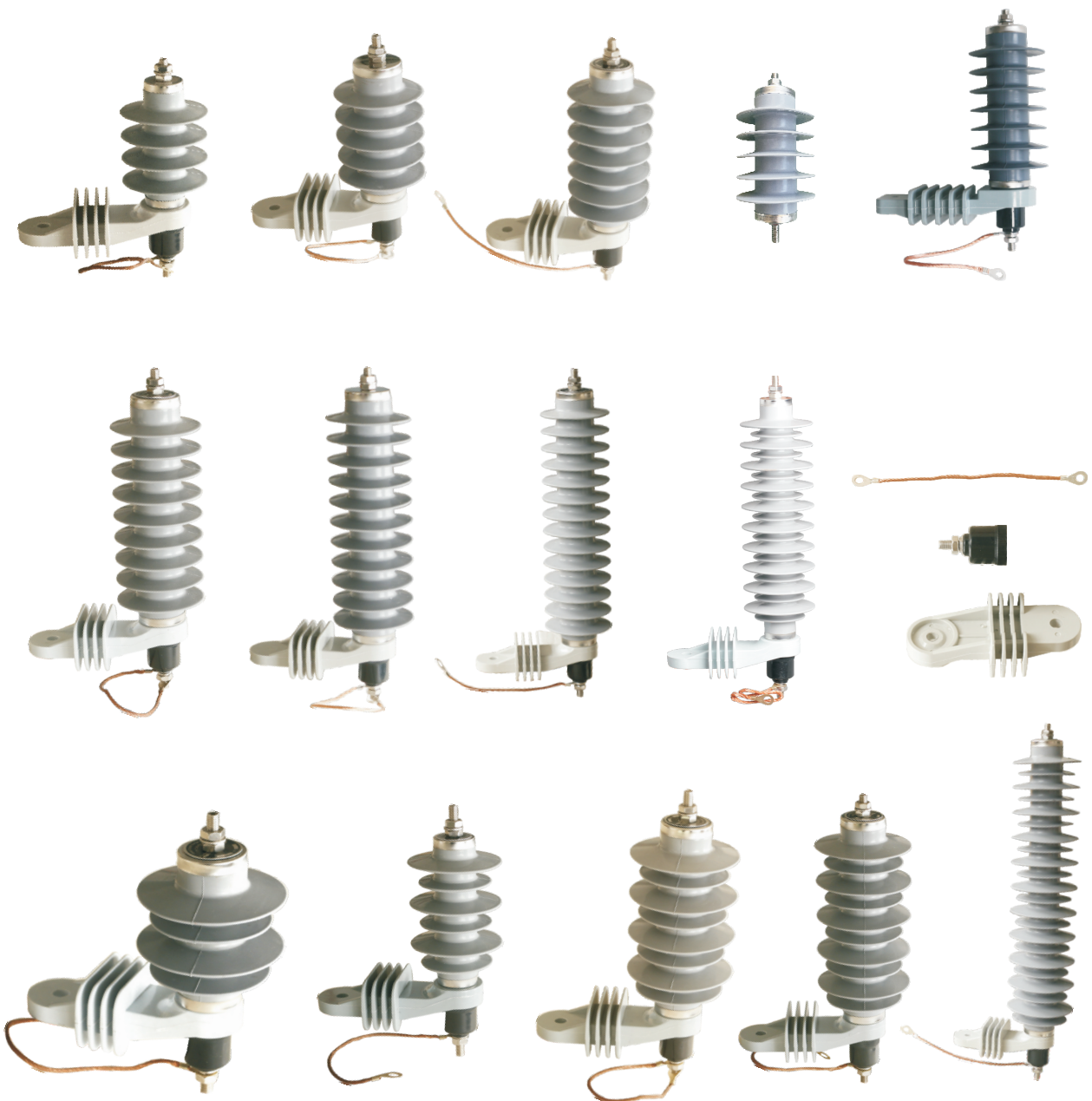


Surge arrester

Overview

The distribution class surge arrester is the most common type of protective device used on power systems today. The primary function of the distribution surge arrester is to protect the insulation of distribution class oil-filled transformers. GRL both polymer-housed and porcelain-housed surge arresters up to 48kV.

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

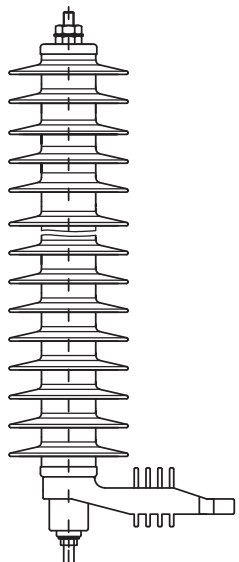


Surge arrester

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
DNYH5W--3	3	2.55	11.3	9	8.90	150	65
DNYH5W--6	6	5.10	22.6	18	16.8	150	65
DNYH5W--9	9	7.05	33.7	27	23.8	150	65
DNYH5W-10	10	8.40	36.0	30	23.0	150	65
DNYH5W-11	11	9.40	40.0	33	30.0	150	65
DNYH5W-12	12	10.2	42.2	36	27.0	150	65
DNYH5W-15	15	12.7	51.0	45	38.5	150	65
DNYH5W-18	18	15.3	61.5	54	46.2	150	65
DNYH5W-21	21	17.0	71.8	63	54.2	150	65
DNYH5W-24	24	19.5	82.0	72	62.0	150	65
DNYH5W-27	27	22.0	92.0	81	69.8	150	65
DNYH5W-30	30	24.4	102	90	79.0	150	65
DNYH5W-33	33	27.5	112	99	86.7	150	65
DNYH5W-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			
DNYH5W--3	110	200	215	3	
DNYH5W--6	135	225	300	4	
DNYH5W--9	160	250	372	5	
DNYH5W-10	160	250	372	5	
DNYH5W-11	160	250	372	5	
DNYH5W-12	160	250	372	5	
DNYH5W-15	210	300	480	7	
DNYH5W-18	235	325	575	8	
DNYH5W-21	260	350	630	9	
DNYH5W-24	285	375	680	10	
DNYH5W-27	310	400	750	11	
DNYH5W-30	335	425	820	12	
DNYH5W-33	385	475	950	14	
DNYH5W-36	385	475	950	14	

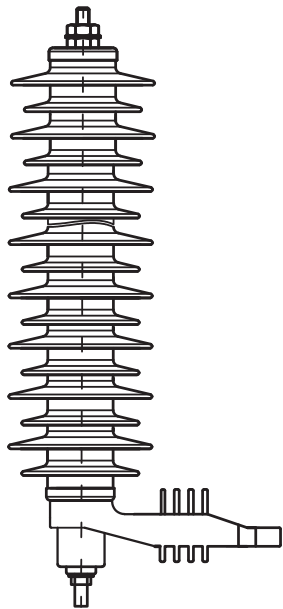
Shed numbers and terminals can be changed to meet specific.
OEM and custom size of polymer-housed surge arresters are available upon request.

Surge arrester

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
DNYH10W--3	3	2.55	11.3	9	8.90	250	100
DNYH10W--6	6	5.10	22.6	18	16.8	250	100
DNYH10W--9	9	7.05	33.7	27	23.8	250	100
DNYH10W-10	10	8.40	36.0	30	23.0	250	100
DNYH10W-11	11	9.40	40.0	33	30.0	250	100
DNYH10W-12	12	10.2	42.2	36	27.0	250	100
DNYH10W-15	15	12.7	51.0	45	38.5	250	100
DNYH10W-18	18	15.3	61.5	54	46.2	250	100
DNYH10W-21	21	17.0	71.8	63	54.2	250	100
DNYH10W-24	24	19.5	82.0	72	62.0	250	100
DNYH10W-27	27	22.0	92.0	81	69.8	250	100
DNYH10W-30	30	24.4	102	90	79.0	250	100
DNYH10W-33	33	27.5	112	99	86.7	250	100
DNYH10W-36	36	29.0	123	108	92.4	250	100
DNYH10W-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			
DNYH10W--3	106	196	180	4	
DNYH10W--6	134	224	300	6	
DNYH10W--9	162	252	372	8	
DNYH10W-10	162	252	372	8	
DNYH10W-11	162	252	372	8	
DNYH10W-12	162	252	372	8	
DNYH10W-15	190	280	480	10	
DNYH10W-18	218	308	575	12	
DNYH10W-21	246	336	630	14	
DNYH10W-24	274	364	750	16	
DNYH10W-27	274	364	750	16	
DNYH10W-30	302	392	925	18	
DNYH10W-33	302	392	925	18	
DNYH10W-36	358	448	1120	22	
DNYH10W-48	522	612	1450	22	