

5KA

ELECAL



1.Main Principle

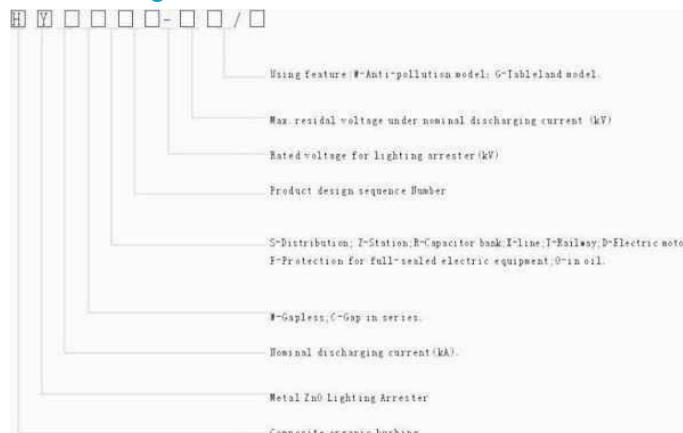
Zno lighting arrester is one kind most world advanced over-voltage protector at present.due to its core components of resistance applying zno and other metal oxide to make of,comparing with traditional carborundum arrester,it improves greatly V-A characteristics of resistance,increases the getting trough ability of resistance,there by it brings fundamental change to features of arrester.

Under normal working voltage,the current passing arrester only ua class,when bearing over voltage,the escellent non-linear V-A features of arrester would make effect,the current passing through the arrester increase high to thousands of Ampere instant,the arrester is under getting through state,to release over-voltage energy,there fore it effective limits the damage to power transmission equipments due to over voltage.

2.Usage & Feature

Zno lighting arrester is one kind protecting equipment preventing electric equipments in AC power system from high voltage and over-ovltage operation.

3.Model and Meaning



4.Main Technical Parameters

Type	Rated Voltage(kV)	MCOV(kV)	Residual voltage(kV)			2000s square wave impulse current withstand current	4/μs high
			Steep current impulse	switching current impulse	8/20μs Lightning current impulse		
HY5W-3	3	2.55	9.5	7.7	9	100	65
HY5W-6	6	5.1	19.5	15.4	18	100	65
HY5W-9	9	7.65	28.5	23.1	27	100	65
HY5W-12	12	1.2	38.0	30.8	36	100	65
HY5W-15	15	12.7	47.5	38.5	45	100	65
HY5W-18	18	15.3	57.0	46.2	54	100	65
HY5W-21	21	17.0	66.5	53.9	63	100	65
HY5W-24	24	19.2	76.0	61.6	72	100	65
HY5W-27	27	21.9	85.5	69.3	81	100	65
HY5W-30	30	24.4	95.0	76.5	90	100	65
HY5W-33	33	26.8	104.5	84.7	99	100	65
HY5W-36	36	29	114.0	92.4	108	100	65
HY5W-42	42	34.1	132.3	100.1	126	100	65

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Type	Rated Voltage(KV)	MCOV(KT)	Residual voltage(KV)			2000s square wave impulse current withstand	4/ μ s high current impulse
			Steep current impulse	switching current impulse	8/20 μ s Lightning current impulse		
HY10W-3	3	2.55	9.5	7.7	9	1	100
HY10W-6	6	5.1	19.5	15.4	18	1	100
HY10W-9	9	7.65	28.5	23.1	27	1	100
HY10W-12	12	1.2	38.0	30.8	36	1	100
HY10W-15	15	12.7	47.5	38.5	45	1	100
HY10W-18	18	15.3	57.0	46.2	54	1	100
HY10W-21	21	17.0	66.5	53.9	63	1	100
HY10W-24	24	19.2	76.0	61.6	72	1	100
HY10W-27	27	21.9	85.5	69.3	81	1	100
HY10W-30	30	24.4	95.0	76.5	90	1	100
HY10W-33	33	26.8	104.5	84.7	99	1	100
HY10W-36	36	29	114.0	92.4	108	1	100
HY10W-42	42	34.1	132.3	100.1	126	1	100
HY10W-48	48	39	152.0	126.0	150	1	100
HY10W-54	54	43	171.0	139.0	162	1	100
HY10W-60	60	48	208.0	160.0	180	1	100
HY10W-66	66	52.8	230.0	172.0	198	1	100