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Pin Insulators

Specifications

Porcelain pin Insulator

1. Material: Porcelain
2. OEM and ODM are available

Detail Description

Pin insulators of One peice or Multipiece construction are widely used in low cost distribution lines. Multipiece construction makes these insulators less vulnerable to damage as with one shell broken a multipiece insulator can normally withstand the line voltage for a considerable time without difficulty.

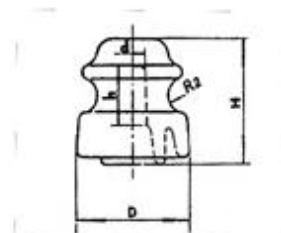


Fig.NO.1

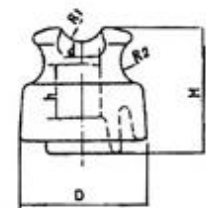


Fig.NO.2

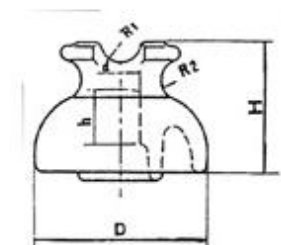


Fig.NO.3

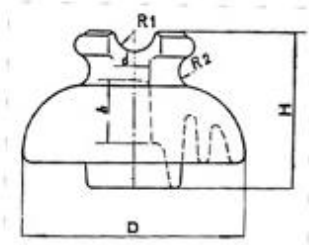


Fig.NO.4

Main Dimensions and standard particulars

Class ANSI		55-1	55-2	55-3	55-4	55-5	
Fig.NO		1	2	3	4	4	
NO.Used Before		P-3M	P-6-M	P-10-M	P-10-M	PG15-M	
Main Dimensions mm	H	89	82.6	95.3	111.2	123.9	
	h	44.5	38.1	38.1	44.5	50.8	
	D	82.6	95.3	120.7	129.6	177.8	
	d	25.4	25.4	25.4	25.4	25.4	
	R1	-	15.9	14.3	25.4	25.4	
	R2	16	16	14.3	14.3	14.3	
Nominal Voltage/KV		3	6	10	10	15	
Creepage Distance/mm		102	127	179	229	305	
Minimum Flashover Voltage	Power-Frequency	Dry/KV	35	50	65	70	85
		Wet/KV	20	25	30	40	45
	50% Impulse	Positive/KV	50	75	100	110	140
		Negative/KV	70	95	130	140	170
Radio-Influence-voltage Data	Test Voltage to Ground/KV		5	5	10	10	15
	Maximum RIV at 1000kHz/KV		2500	2500	5500	5500	8000
Low Frequency Puncture Voltage Average/KV		50	70	90	95	115	
Dry Arcing Distance(mm)		57	86	114	127	159	
Cantilever Failing Load(ib)		3000	2500	2500	3000	3000	
Weight/kg		0.8	0.84	1.33	2.25	3.38	

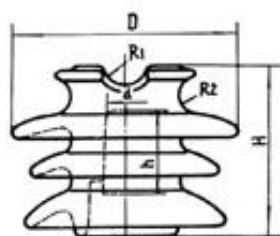


Fig.NO.1

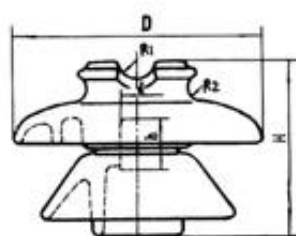


Fig.NO.2

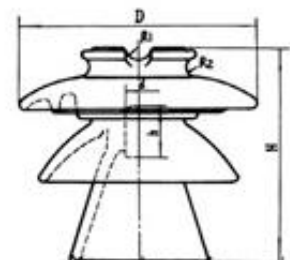


Fig.NO.3

Main Dimensions and standard particulars

Class ANSI		56-1	56-2	56-3	56-4	56-5	
Fig.NO		1	1	2	2	3	
Main Dimensions mm	H	146	165	191	241	318	
	h	50.8	50.8	50.8	50.8	63.5	
	D	191	228	267	305	343	
	d	34.9	34.9	34.9	34.9	34.9	
	R1	19	19	19	19	19	
	R2	14	14	14	14	14	
Nominal Voltage /KV		23	23	35	46	69	
Creepage Distance/mm		330	430	533	685	865	
Minimum Flashover Voltage	Power-frequency	Dry/KV	95	110	125	140	175
		Wet/KV	60	70	80	95	125
	50% Impulse	Positive/KV	150	175	200	225	270
		Negative/KV	190	225	265	310	340
Radio-Influence Voltage Data	Test Voltage to Ground/KV		15	22	30	30	44
	Maximum RIV.at 1000kHz/KV		100	100	200	200	200
Low Frequency Puncture Voltage Average/KV		130	145	165	186	225	
Dry Arcing Distance(mm)		178	210	241.3	285	356	
Cantilever Failing Load(kgf)		1134	1360	1360	1360	1360	
Weight/kg		3.7	5.3	7	10.8	13.5	

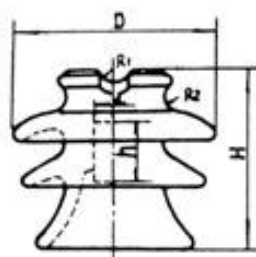


Fig.NO.1

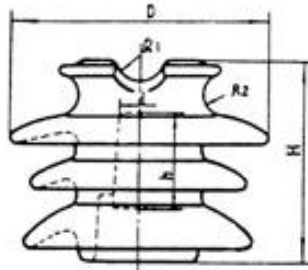


Fig.NO.2

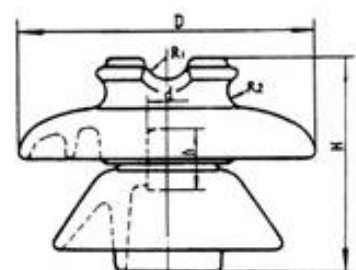


Fig.NO.3

Main Dimensions and standard particulars

Class BS			P-11-Y	P-15-Y	P-22-Y	P-33-Y
Fig.NO			1	1	2	3
Main Dimensions mm	H		133	137	195	244
	h		48	48	52.63	52.63
	D		140	152	230	279
	d		18.29	18.29	27.78	27.78
	R1		13	13	19	19
R2		9.5	12.7	14.3	13	
Nominal Voltage/KV			11	15	22	33
Creepage Distance/mm			240	298	432	630
Minimum Flashover Voltage	Power Frequency	Dry /KV	75	80	100	135
		Wet/KV	45	55	60	85
	50%Impulse	Positive/KV	100	130	160	185
		Negative/KV	110	175	205	-
Withstand Voltage	One Minute Power-Frequency	Dry/KV	65	70	90	110
		Wet/KV	40	50	55	75
	Impulse/KV			110	150	-
Radio-Influence-voltage Data	Tist Voltage to Ground/KT		15	15	22	30
	Maximum RIV at 1000kHz/uV		8000	8000	12000	16000
Power Frequency Puncture Voltage/KV			135	150	145	185
Cantilever Falling Load(kgf)			1080	1090	1090	1350
Weight/kg			1.8	2	5	11.5

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