

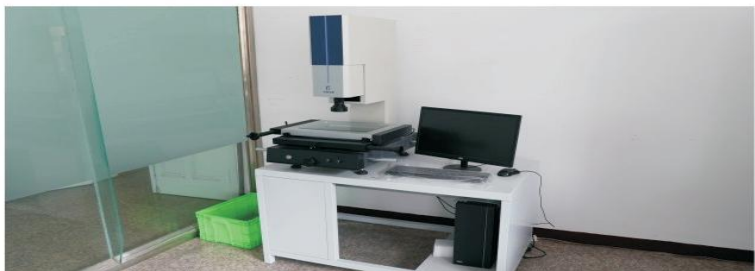
Catalogue

Wenzhou Xucky Electric Co.,Ltd

www.xucky.com



Lightning Arrester&Fuse Cutout&Insulator



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LIGHTNING ARRESTOR, POLYMER INSULATOR, FUSE CUTOUT

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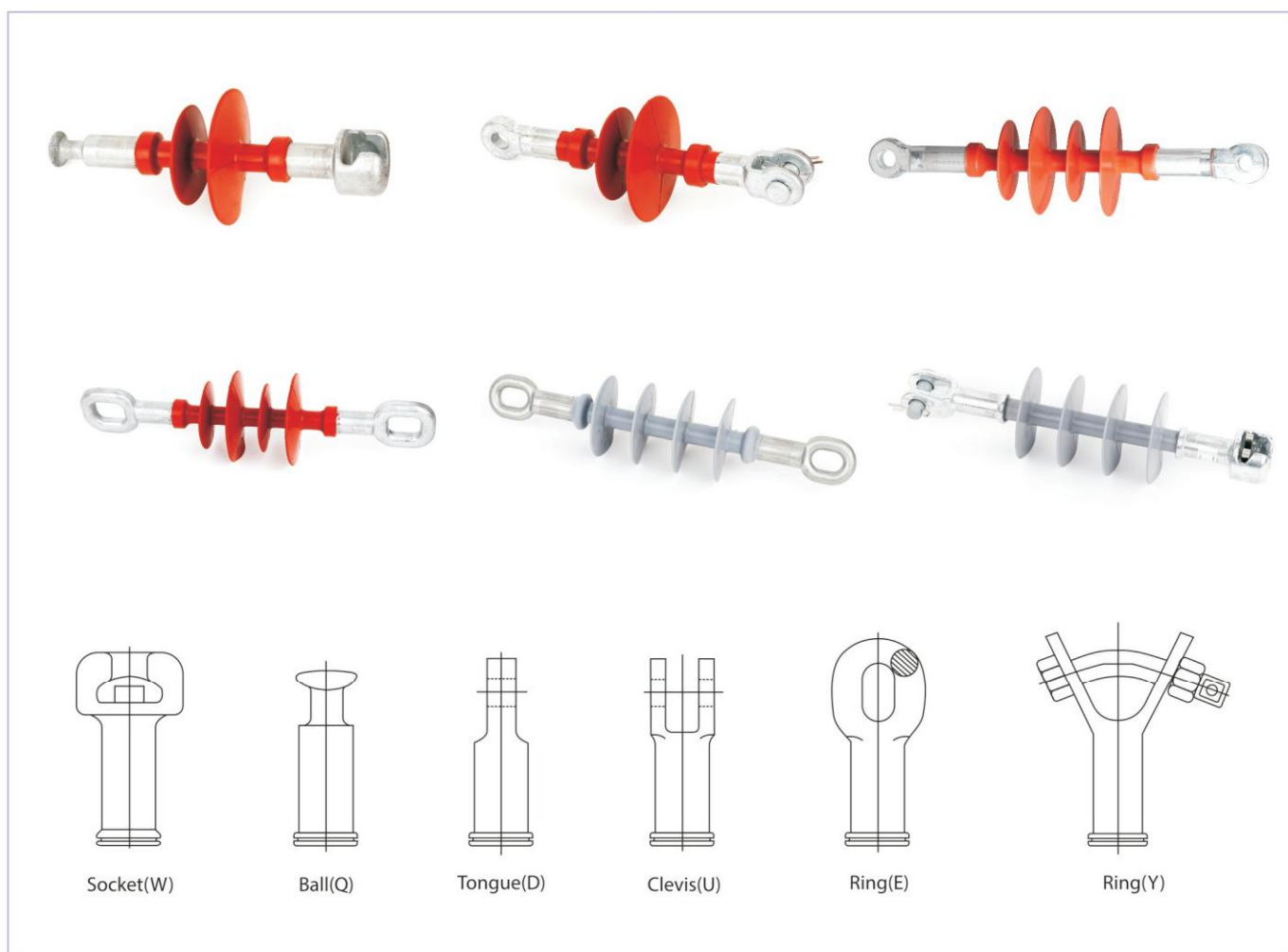
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Composite Tension & Suspension Insulator

Composite tension & suspension insulator mainly consists of a core rod (ECR type or FRP type), silicone rubber housing and metal end fittings.

- Material of end fittings: #45 forged steel, hot dip galvanized, thickness of the galvanization: $\geq 86\mu\text{m}$.
- Material of the core: Epoxy & glass fiber (ECR type or FRP type).
- Material of the weather sheds: HTV silicone.
- Corona ring: Made of high grade aluminum alloy, which is suitable for insulators voltage above 110 kV.
- Housing to core: They are chemically bonded and the interface strength between the housing and core is higher than the tearing strength of housing itself.
- Sealing: Juncture between end fitting and core rod is totally embedded in HTV silicone rubber, eliminating conventional and traditional sealing defects: (The other type is available that use RTV silicone sealant to seal the juncture between end fitting and core rod).
- Standard: IEC61109.



The connecting hardware in two ends	Socket-Ball	Socket-Tongue	Socket-Clevis	Ball-Ball	Tongue-Clevis	Tongue-Tongue	Clevis-Clevis	Clevis-Ring	Ring-Ring
Abbreviation in China	WQ	WD	WU	QQ	DU	DD	UU	UE	EE
Connection Mark	16-16	16-7	16-7	16-16	7-7	7-7	7-7	7-7	7-7



FXBW-1/70



FXB-11/70



FXBO-11/70



FXB-11/70UD



FXB-12/70WU



FXB-12/70WU



FXB-24/70DU



FXBW-24/70



FXBW-24/70QQ



FXB-33/70DU



FXBW-33/70



FXBW-33/70



FXBW-33/70



FXBW-230/120

Item No.	Dimensions					Mechanical		Electrical		
	Height (mm)	Min Dry Arcing Distance (mm)	Min Creepage Distance (mm)	Diameter of the rod (mm)	Number of sheds	Specified Mechanical Load(SML) (kN)	Routine Test Load(RTL) (kN)	Rated Voltage kV	Critical Impulse Flashover Voltage (Pos/Neg) kV	Power Frequency Flashover Voltage (Dry/Wet) kV
FXB 11-15kV	335	200	460	17	4	70	35	11-15	140/145	70/60
FXB 24-27kV	460	235	675	17	6	70	35	24-27	170/190	75/65
FXB 33-36kV	545	350	900	17	8	70	35	33-36	230/250	105/95
FXB 33-36kV	440	360	900	18	9	40	20	33-36	230/250	95/85
FXB 33-36kV	440	360	900	18	9	70	35	33-36	230/250	95/85
FXBW-69kV	970±10	780	2130	18	18	100	50	69	410	200/185
FXBW-132kV	1475±15	1300	3850	18	30	100	50	132	550	275/235
FXBW-230kV	2380±30	1900	6000	24	60	160	80	230	1315	780/700

Composite Pin Insulator

Composite pin insulator is made of glass fiber epoxy core rod, silicone rubber shed and metal fittings.

- The silicone rubber shed adopt the whole packing pressure technique, and then to solve the key problem – interface electric spark puncture, which would affect the reliability of composite insulator.
- The connection of the glass fiber rod and metal fittings adopts the pressure welding technique of the international advanced level and have the full automatic sound wave detection of defects system, high intension, beautiful outline, small volume, light weight, and the metal fitting of galvanization can corrosion prevention and exchange used with porcelain insulator.
- This product is reliable structure, can't damage the core rod, and take full advantage of the mechanical strength.
- The dimension can be customized as per client's requirement.
- Material of end fittings: #45 forged steel, hot dip galvanized, thickness of the galvanization: 86 μ m.
- Material of the core: Epoxy & glass fiber (ECR type or FRP type).
- Material of the weather sheds: HTV silicone, color grey.
- Standard: IEC61109.



Item No.	Dimensions					Mechanical		Electrical			
	Height (mm)	Min Dry Arcing Distance (mm)	Min Creepage Distance (mm)	Diameter of the rod (mm)	Number of sheds	Max Design Cantilever Load (MDCL) (kN)	Specified Cantilever Load (SCL) (kN)	Rated Voltage kV	Highest Voltage kV	Lightning Impulse Withstand BIL kV	Power Frequency Flashover Voltage (Dry/Wet) kV
FPQ-11/4	235	200	345	24	2	4	2	11	12	95	38
FPQ-18/5	245	210	450	24	3	5	2.5	18	15	95	45/40
FPQ-27/3	340	290	660	24	5	3	1.5	24	27	160	60
FPQ-33/12.5	430	370	1040	38	5	12.5	6.25	33	36	230	95

Composite Post Insulator

Good bending resistance performance, strong anti-fouling ability and impact resistance, vibration and anti-brittle fracture performance, small volume, light weight, convenient installation, free maintenance.



Item No.	Rated voltage kV	Rated bending load kN	Structure Height (mm)	Min Arcing Distance (mm)	Min Nominal Creepage Distance (mm)	Lighting full-wave impulse withstand voltage (kV)	Power Frequency Withstand Voltage (wet)	Mounting Dimensions	
								Mounting Hole	Lower mounting hole
FZN4-12/4	12	4	230±3	125	330	75	75	M10	4×Φ14-Φ76
FZSW-12/4	12	4	235±3	125	330	75	75	2×M12-Φ76	4×M12-Φ76
FZSW-24/8	24	8	345±3	200	540	150	150	4×M12-Φ76	4×M12-Φ76
FZSW-24/8	24	8	345±3	200	540	150	150	4×Φ14-Φ140	4×Φ14-Φ140
FZSW-33/10	33	10	618±10	450	1080	220	220	4×Φ14-Φ140	4×Φ14-Φ140
FZSW-35/6-76	40.5	6	435±3	290	1260	185	185	2×M8-Φ36	4×Φ14-Φ76
FZSW-40.5/6L(IEC)	40.5	6	435±3	340	1260	200	200	4×M12-Φ76	4×M12-Φ76
FZSW-72.5/8	72.5	8	780±5	600	1850	350	350	4×Φ14-Φ140	4×Φ14-Φ140
FZSW-72.5/10	72.5	10	780±5	600	1950	350	350	4×Φ14-Φ140	4×Φ14-Φ140
FZSW-126/8	126	8	1240±5	1050	3150	550	550	4×M12-Φ140	4×Φ18-Φ140
FZSW-126/10	126	10	1240±5	1050	3150	550	550	4×M12-Φ140	4×Φ14-Φ140
FZSW-126/12.5	126	12.5	1440±5	1050	3500	550	550	4×M12-Φ140	4×Φ14-Φ140
FZSW-252/6K	252	6	2240±15	2070	6300	1050	1050	4×M16-Φ140	8×Φ20-Φ225
FZSW-252/8	252	8	2340±15	2000	6700	1050	1050	4×M16-Φ190	8×Φ20-Φ225

Polymer Type Lightning Arrester

ZnO lightning arrester is one of the 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 through ability of resistance, therefore it brings fundamental change to features of arrester.

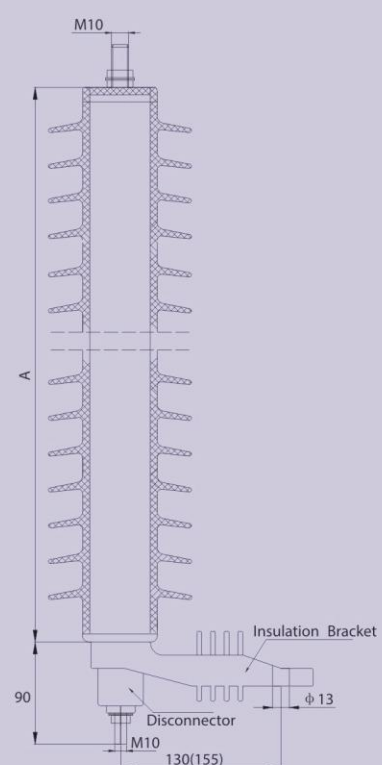
Under normal working voltage, the current passing arrester only A class, when bearing over voltage, the excellent non-linear V-A features of arrester would make effect, the current passing through the arrester increase high to thousands of Ampere instant, the arrester is under getting through state,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



From 3 sheds 22 sheds

Polymer Type Lightning Arrester Without Gaps: Nominal Discharge Current:5kA

Item No.	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	8.9	150	65
(HY)YH5W-6	6	5.1	22.6	18	16.8	150	65
(HY)YH5W-9	9	7.05	33.7	27	23.8	150	65
(HY)YH5W-10	10	8.4	36	30	23	150	65
(HY)YH5W-11	11	9.4	40	33	30	150	65
(HY)YH5W-12	12	10.2	42.2	36	27	150	65
(HY)YH5W-15	15	12.7	51	45	38.5	150	65
(HY)YH5W-18	18	15.3	61.5	54	46.2	150	65
(HY)YH5W-21	21	17	71.8	63	54.2	150	65
(HY)YH5W-24	24	19.5	82	72	62	150	65
(HY)YH5W-27	27	22	92	81	69.8	150	65
(HY)YH5W-30	30	24.4	102	90	79	150	65
(HY)YH5W-33	33	27.5	112	99	86.7	150	65
(HY)YH5W-36	36	29	123	108	92.4	150	65

Item No.	Dimensions A (mm)	Leakage Distance (mm)	Shed No. PCS	Drawing Reference
(HY)YH5W-3	110	215	3	 <p>Regular model (The product can be specially made as anti-pollution model)</p>
(HY)YH5W-6	135	300	4	
(HY)YH5W-9	160	372	5	
(HY)YH5W-10	160	372	5	
(HY)YH5W-11	160	372	5	
(HY)YH5W-12	160	372	5	
(HY)YH5W-15	210	480	7	
(HY)YH5W-18	235	575	8	
(HY)YH5W-21	260	630	9	
(HY)YH5W-24	285	680	10	
(HY)YH5W-27	310	750	11	
(HY)YH5W-30	335	820	12	
(HY)YH5W-33	385	950	14	
(HY)YH5W-36	385	950	14	

Polymer Type Lightning Arrester Without Gaps: Nominal Discharge Current:10kA

Item No.	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	8.9	250	100
(HY)YH10W-6	6	5.1	22.6	18	16.8	250	100
(HY)YH10W-9	9	7.05	33.7	27	23.8	250	100
(HY)YH10W-10	10	8.4	36	30	23	250	100
(HY)YH10W-11	11	9.4	40	33	30	250	100
(HY)YH10W-12	12	10.2	42.2	36	27	250	100
(HY)YH10W-15	15	12.7	51	45	38.5	250	100
(HY)YH10W-18	18	15.3	61.5	54	46.2	250	100
(HY)YH10W-21	21	17	71.8	63	54.2	250	100
(HY)YH10W-24	24	19.5	82	72	62	250	100
(HY)YH10W-27	27	22	92	81	69.8	250	100
(HY)YH10W-30	30	24.4	102	90	79	250	100
(HY)YH10W-33	33	27.5	112	99	86.7	250	100
(HY)YH10W-36	36	29	123	108	92.4	250	100
(HY)YH10W-48	48	39	165.6	144	122.4	250	100

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

Anti-pollution model

Drop Type Fuse Cutout

Drop type fuse cutouts are outdoor high voltage protection facilities. The fuse is installed at high voltage side of transformer or branch line of distribution line to protect transformer or transmission line from short circuit and overload, to break and connect load current.

Fuse cutout consist of insulation bracket and fuse tube, fixed contact is installed at both ends of insulation bracket, moving contact is installed at both ends of fuse tube. Fuse tube consist of two parts, arcing extinguish tube in inner side and epoxy glass tube outside. Tension load fuse cutout increase the flexible auxiliary contact and arcing-extinguish shield to break or connect load current.

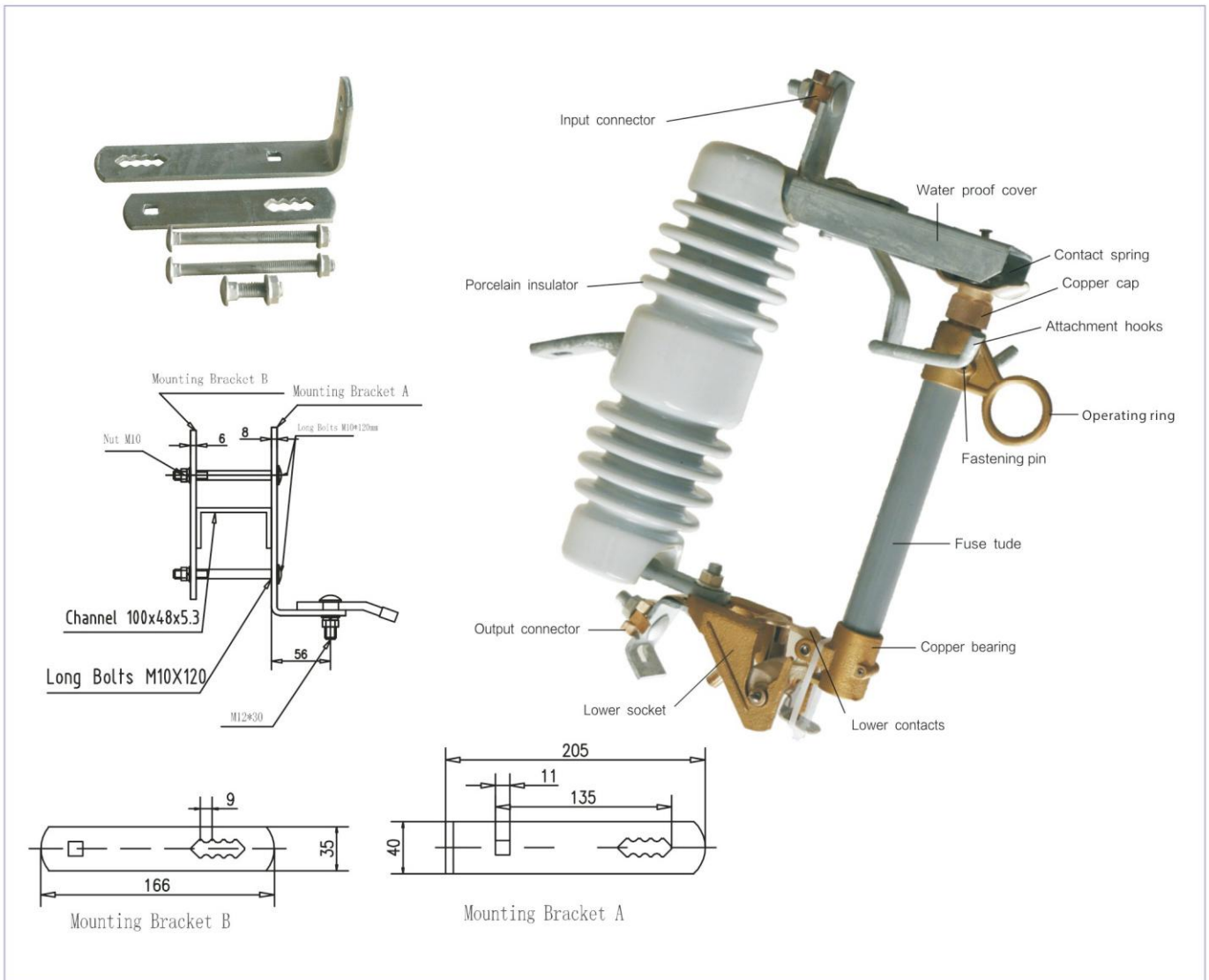
Drop type fuse cutout is a low cost line protection, primarily used on remote overhead electrical transmission lines. The visual display of the status of the fuse cutout quickly and accurately helps field inspectors to locate the faulty segment of the overhead transmission line. Upon clearing of the line fault and replacing the fuse link, each of the phases can then be individually switched back into operation using operating poles, which are available in desired lengths.

Service condition:

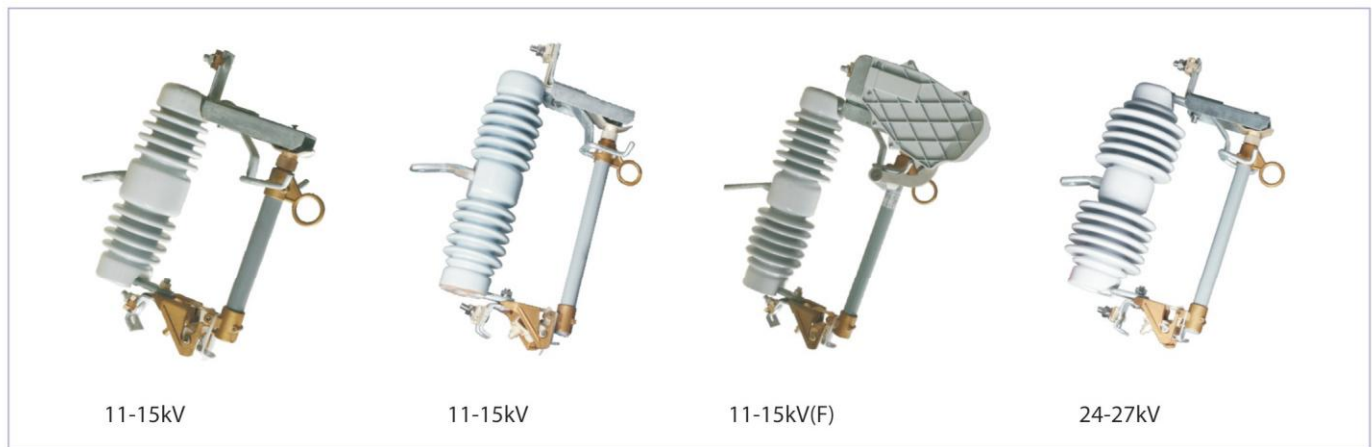
- The ambient air temperatures: -40 to 40°C.
- The altitude above sea level: 1000m.
- Wind speed doesn't exceed 700Pa (not exceed 34m/s).
- The earthquake intensity doesn't exceed 8 degrees.

The product is not applicable to the following locations:

- Combustion or explosion risk areas.
- With severe vibration or shock sites.
- A conductive, chemical gas and serious pollution, salt fog area.



Fuse Cutout Series



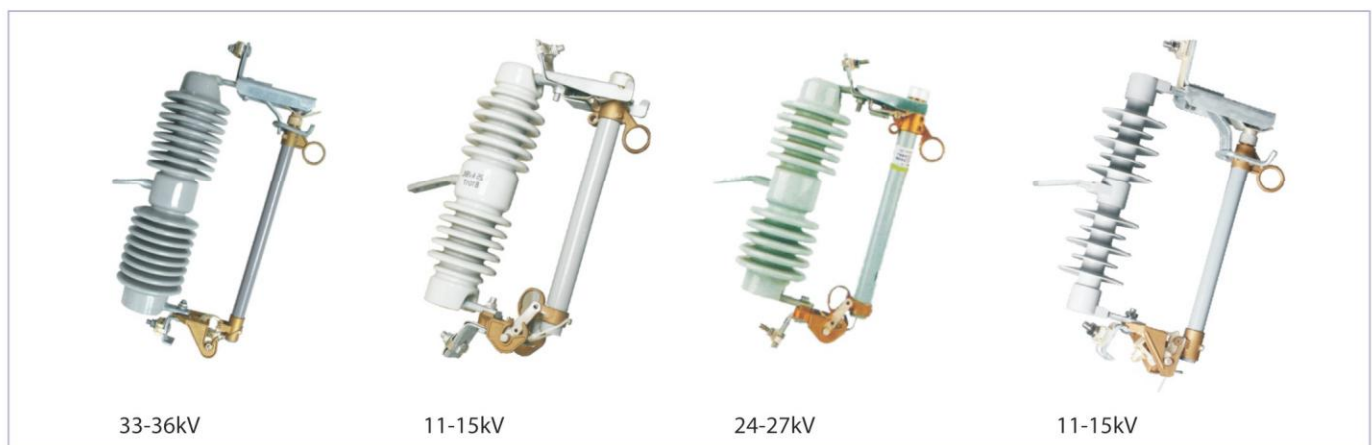
11-15kV

11-15kV

11-15kV(F)

24-27kV

Item No.	Rated Voltage (kV)	Rated Current (A)	Breaking Current (A)	Impulse Voltage (BIL)	Power Frequency Withstand Voltage	Leakage Distance (mm)	Weight (KG)	Dimension (cm)
YJF-1	12	100	6300	110	40	250	6.5	40×36×11.5
YJF-1	12	200	10000	110	40	250	6.5	40×36×11.5
YJF-2	15	100	8000	125	45	320	7.5	50×36×12.5
YJF-2	15	200	12500	125	45	320	7.5	50×36×12.5
YJF2(F)-2	15	100	8000	125	45	320	8	58×40×15
YJF2(F)-2	15	200	12500	125	45	320	8	58×40×15
YJF-3	24	100	8000	150	65	530	12	50×38×16
YJF-3	24	200	12500	150	65	530	12	50×38×16



33-36kV

11-15kV

24-27kV

11-15kV

Item No.	Rated Voltage (kV)	Rated Current (A)	Breaking Current (A)	Impulse Voltage (BIL)	Power Frequency Withstand Voltage	Leakage Distance (mm)	Weight (KG)	Dimension (cm)
YJF-4	33	100	8000	170	70	720	15	64×35×18
YJF-4	33	200	12500	170	70	720	15	64×35×18
YJF-5	12	100	6300	110	40	250	6.5	40×36×11.5
YJF-5	12	200	10000	110	40	250	6.5	40×36×11.5
YJF-6	24	100	8000	150	65	540	10	60×38×16
YJF-6	24	200	12500	150	65	540	10	60×38×16
HYJF-2	15	100	6300	110	40	250	6	40×36×11.5
HYJF-2	15	200	10000	110	40	250	6	40×36×11.5

Fuse Cutout Series



11-15kV



24-27kV



33-36kV



24-27kV

Item No.	Rated Voltage (kV)	Rated Current (A)	Breaking Current (A)	Impulse Voltage (BIL)	Power Frequency Withstand Voltage	Leakage Distance (mm)	Weight (KG)	Dimension (cm)
HYJF-2	15	100	6300	110	40	250	6	40×38×16
HYJF-2	15	200	10000	110	40	250	6	40×38×16
HYJF-3	24	100	8000	150	65	530	7	50×38×16
HYJF-3	24	200	12500	150	65	530	7	50×38×16
HYJF-4	33	100	8000	125	45	320	7.5	50×38×12.5
HYJF-4	33	200	12500	125	45	320	7.5	50×38×12.5
HYJF-3	24	100	8000	150	65	540	7	50×38×16
HYJF-3	24	200	12500	150	65	540	7	50×38×16



33-36kV



24-27kV



33-36kV



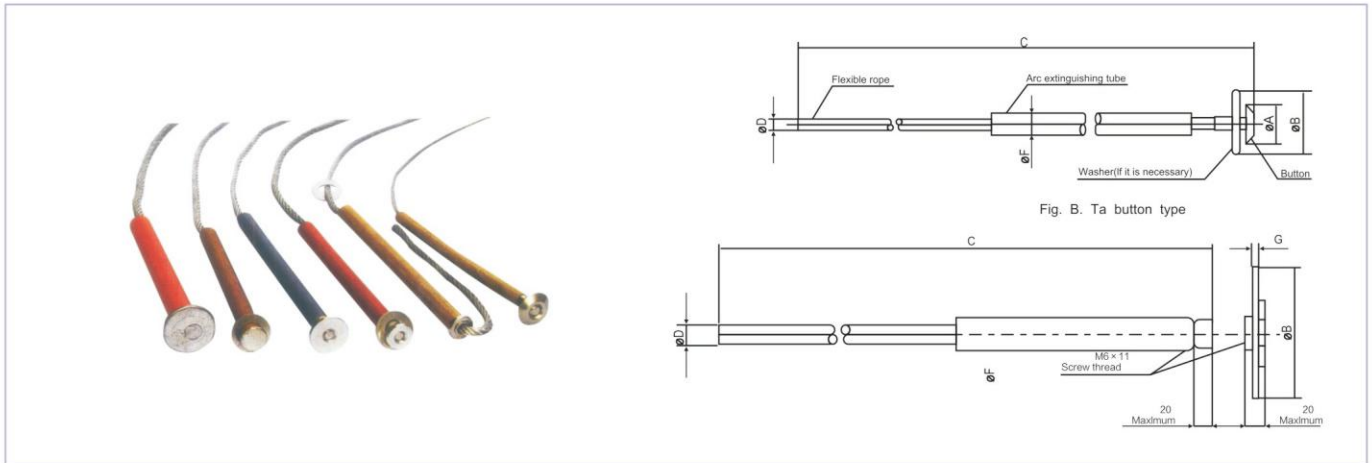
11-15kV

Item No.	Rated Voltage (kV)	Rated Current (A)	Breaking Current (A)	Impulse Voltage (BIL)	Power Frequency Withstand Voltage	Leakage Distance (mm)	Weight (KG)	Dimension (cm)
HYJF-4	33	100	8000	170	70	720	8	64×35×18
HYJF-4	33	200	12500	170	70	720	8	64×35×18
HYJF-7	24	100	8000	150	65	540	10	50×36×16
HYJF-7	24	200	10000	150	65	540	10	50×36×16
HYJF-8	33	100	10000	170	70	720	15	64×35×18
HYJF-8	33	200	12500	170	70	720	15	64×35×18
RW11	12	100	6300	110	42	260	7.5	48×32×27
RW11	12	200	8000	110	42	260	7.5	48×32×27

"KB、KU、KS" Type Fuse Links

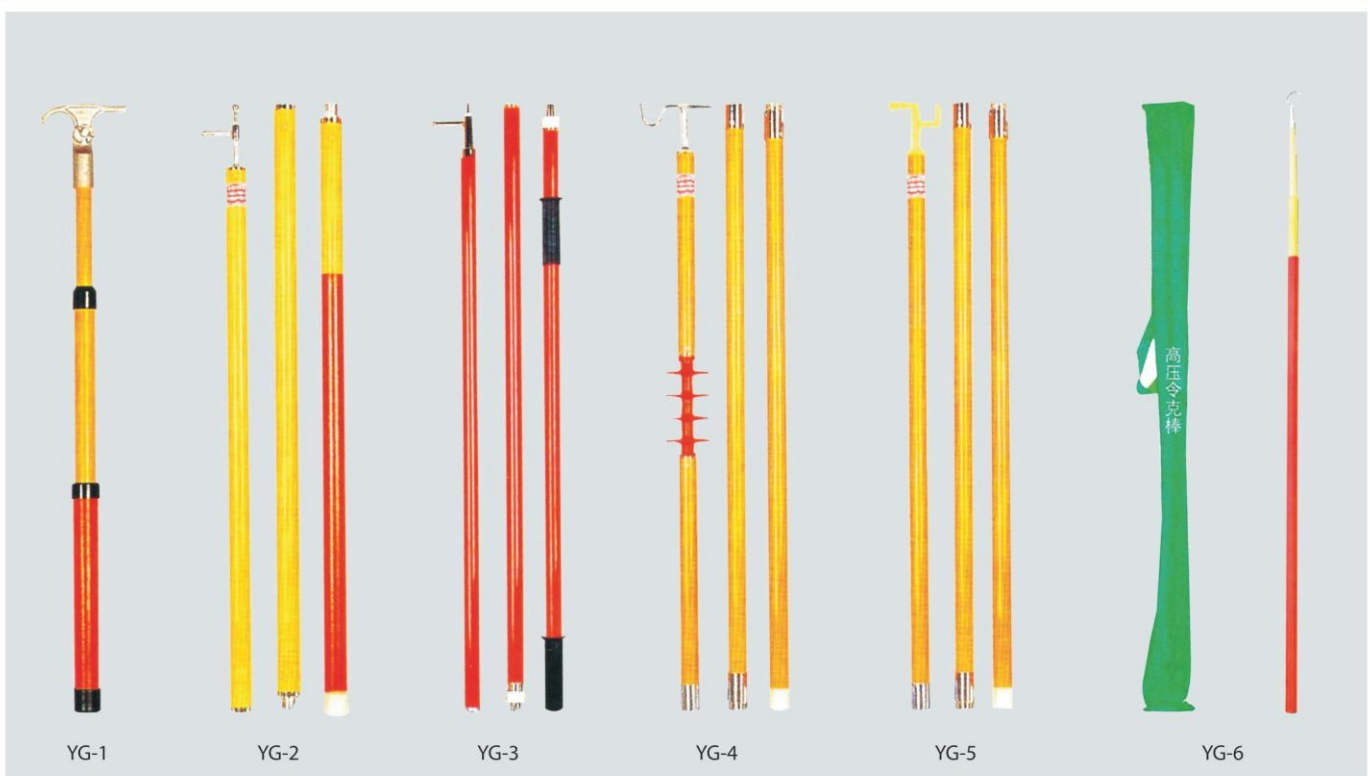
"KB、KU、KS" type fuse links belong to "K" and "T" type fuse,

• It has general type, universal type and screw type available according to IEC-282 standard. 11-36V grade.



Item No.	Dimension(mm)					Quantity/carton
	A	B	C	D	F	
1 to 25	12.5±0.2	19.0±0.2	Note 1	2	6.5	500
30 to 40	12.5±0.2	19.0±0.2	Note 1	3	8	500
50 to 100	19.0±0.3	Not applicable	Note 1	5	10	250
140 to 200	19.0±0.3	Not applicable	Note 1	7	12	150

Operating Rod



Head of Operating Rod



Disconnecting Switch



HGWR1/GWR1 0.5-1600V

Fuse Rated Current	120A	150A	220A	300A	360A	470A	600A
Fuse Specification	0.15	0.20	0.30	0.50	0.60	0.80	0.90
Transformer Volume	80	100	150	180-220	250	315-320	400

Disconnecting Switch



12-15kV

Item No.	Rated Voltage (kV)	Rated Current (A)	4s Heat Steady Current (A)	Shock Steady Current(A)	Impulse Withstand Voltage(kV)		Power-Frequency Withstand Voltage (kV)	
					To earth	Across the isolating distance	To earth	Across the isolating distance
GW9-12W/400	12	400	12500	31500	75	85	38	42
GW9-12W/630	12	630	12500	31500	75	85	38	42
GW9-12W/1250	12	1250	20000	50000	75	85	38	42
HGW9-12W400	12-15	400	12500	31500	75	85	38	42
HGW9-12W630	12-15	630	12500	31500	75	85	38	42

12-15kV

Item No.	Rated Voltage(kV)	Rated Current(A)	Limit Passing Current(kA)		10 sec Heat Stabilization Current(A)
			Reak Value	r.m.s	
GW9-10	10,12,15	200	5	9	5
	10,12,15	400	21	15	10
GW9-12	10,12,15	600	35	25	14
GW9-15	10,12,15	1000	50	35	20

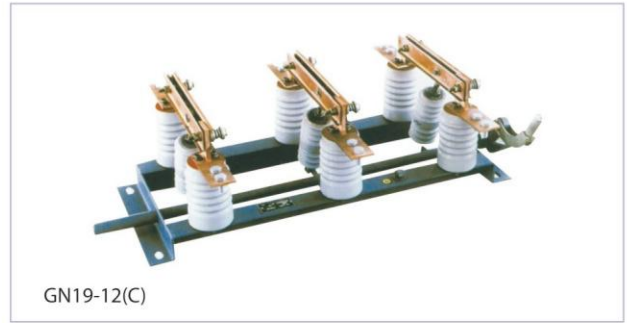
500V

Item No.	Rated Voltage(kV)	Rated Current(A)	Breaking Current(A)
JDW2-500	500	500	30-500
JDW2-800	500	800	30-500

GN19-12(C) Indoor High Voltage Disconnecting Switch

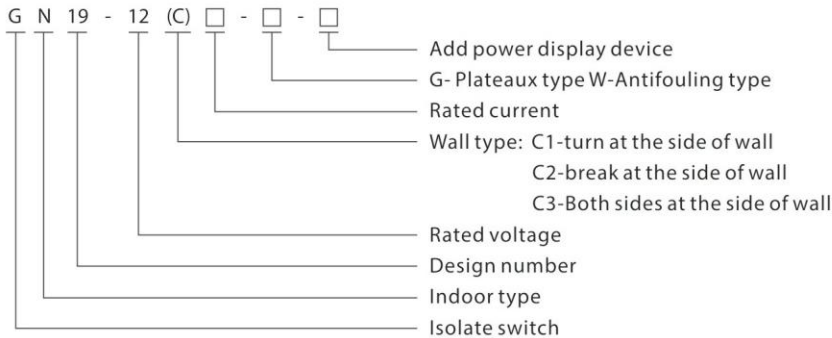
Summary

GN19-12(C) indoor disconnecting switch is applied in power system with rated voltage 12kV, AC 50Hz and below, it uses with CS6-1 manual operating mechanism, for making and breaking the circuit with voltage and without load, it has pollution proof type, plateau type and adding electrification indication type.



GN19-12(C)

Definition of model



Service condition

- The altitude above sea level: 2000m.
- The ambient air temperatures: -40 to 40°C.
- Wind speed doesn't exceed 700Pa (not exceed 34m/s).
- The earthquake intensity doesn't exceed 8 degrees.
- The working situation: without frequent violent vibration.
- The installation site of ordinary type isolator should be kept away from gas, smoke chemical deposition, salt-spray fog, dust and other explosive and corrosive matters that affect seriously insulation and conduction capability of the isolator.
- Pollution proof type isolator applies to sever filthy conduction area. However, it shouldn't be any explosive matters and matters causing fire.

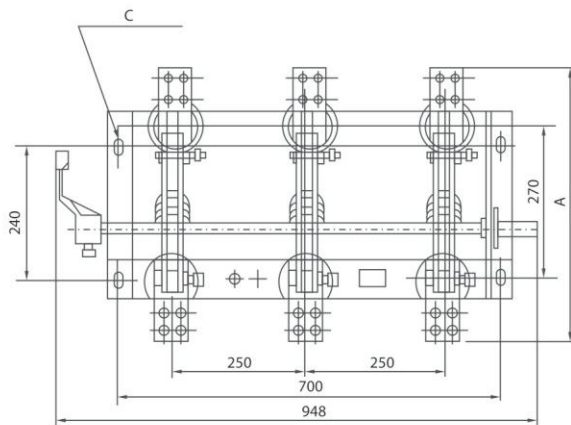
Key Technical Parameters

Items		Units	Technical parameters
Rated voltage		kV	12-15
1 min Power frequency withstand voltage	To earth	kV	38
	Across open DS	kV	42
Lightning impulse withstand voltage	To earth	kV	75
	Across open DS	kV	85
Rated frequency		Hz	50
Rated current		A	200/400/630/1000/1250
Short time withstand current(4s)		kA	6.3/12.5/20/31.5/40
Rated peak withstand current		kA	16/31.5/50/80/100
Rated duration of short/circuit		S	4/2
Creepage Distance		mm	300-380
Mechanical life		times	2000

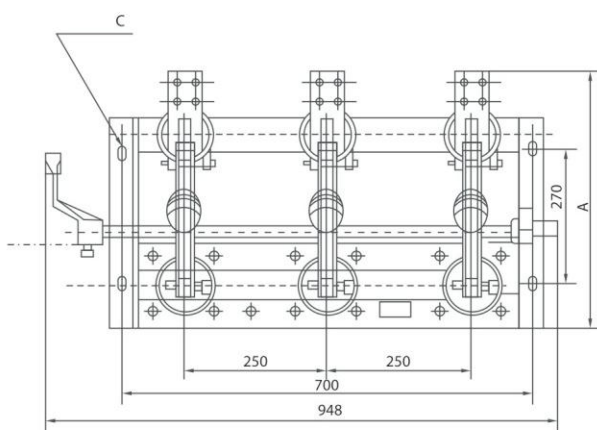
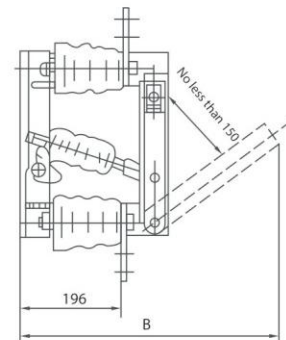
Key Technical Parameters

Item No.	Rated Voltage(kV)	Rated Current(A)	Short time withstand current(4s) kV	Rated peak withstand current kV
GN119-12/400-12.5	12	400	12.5	31.5
GN19-12/630-20	12	630	20	50
GN19-12/1000-31.5	12	1000	31.5	80
GN19-12/1250-31.5	12	1250	31.5	80
GN19-12/400-12.5	12	400	12.5	31.5
GN19-12/630-20	12	630	20	50
GN19-12/1000-31.5	12	1000	31.5	80
GN19-12/1250-31.5	12	1250	31.5	80

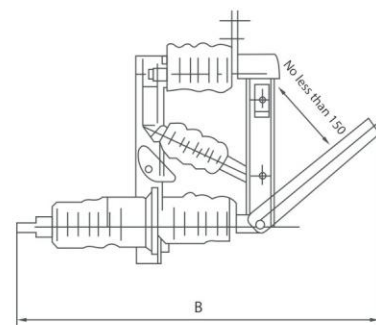
Overall And Installation Dimension



GN19-12 Series



GN19-12C Series



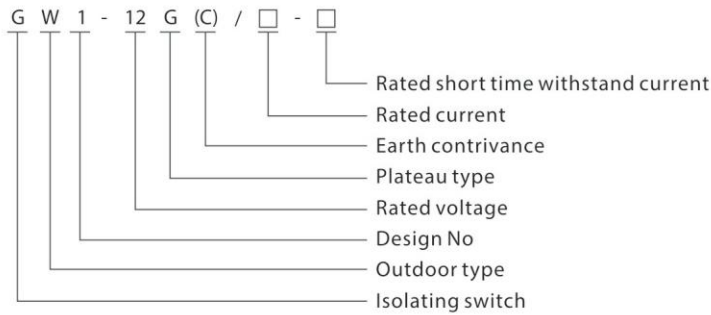
GW1-12G(D) Series Outdoor High Voltage Disconnecting Switch

Summary

GW1-12G(D) series outdoor high voltage disconnecting switch is the high voltage switch equipment of composite structure, it is suitable for outdoor 12kV line net with voltage and no load to make opening and close.

With CS □ type manpower operate machinery, can avoid earth line with power and composite flash-locks, wrong operate. The operator is no need to put another earth line. Pollution-proof type isolate switch satisfy customer in filthy conduction area. It can solve the pollution of shed when it is working.

Definition of model

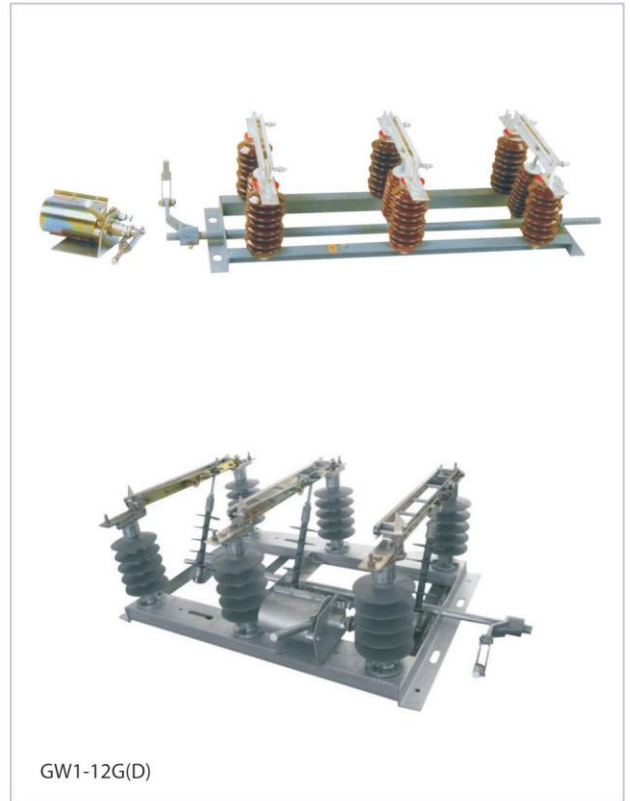


Service condition

- The altitude above sea level: 2000m.
- The ambient air temperatures: -40 to 40°C.
- Wind speed doesn't exceed 700Pa (not exceed 34m/s).
- The earthquake intensity doesn't exceed 8 degrees.
- The installation site of ordinary type isolator should be kept away from gas, smoke chemical deposition, salt-spray fog, dust and other explosive and corrosive matters that affect seriously insulation and conduction capability of the isolator.
- Pollution proof type isolator applies to sever filthy conduction area. However, it shouldn't be any explosive matters and matters causing fire.

Key Technical Parameters Of GW1

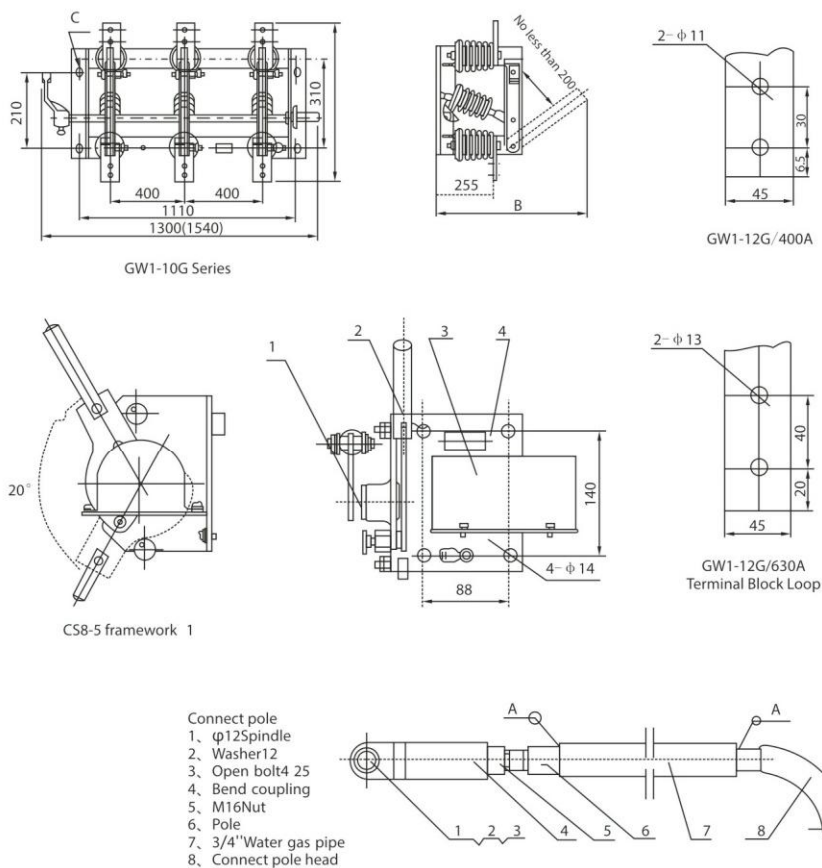
Items		Units	Technical parameters			
Rated voltage		kV	10	15	20	
Max. operating voltage			12	17.5	24	
1 min Power frequency withstand voltage	To earth	kV	38	42	50	
	Across open DS	kV	42	48	60	
Lightning impulse withstand voltage	To earth	kV	75	105	125	
	Across open DS	kV	85	120	145	
Rated frequency		Hz	50			
Rated current		A	200	400	630	1250
Short time withstand current(4s)		kA	6.3	12.5	20	31.5
Rated peak withstand current		kA	10	31.5	50	80
Mechanism supplied for disconnecter		CS8-1、CS8-D、CD8-8 Rain type manual mechanism or CX6 motor drive mechanism				



Key Technical Parameters HGW1

Items		Units	Technical parameters			
Rated voltage		kV	12	24	33	
Max. operating voltage			15	27	35	
1 min Power frequency withstand voltage	To earth	kV	40	50	80	
	Across open DS	kV	47	60	90	
Lightning impulse withstand voltage	To earth	kV	105	125	180	
	Across open DS	kV	120	145	210	
Rated frequency		Hz	50			
Rated current		A	200	400	630	1250
Short time withstand current(4s)		kA	6.3	12.5	20	31.5
Rated peak withstand current		kA	10	31.5	50	80
Mechanism supplied for disconnect		CS8-1、CS8-D、CD8-8 Rain type manual mechanism or CX8-5 motor drive mechanism				

Overall And Installation Dimension



Item No.	A	B	C
GW1-12G/400A	510	555	18×24=4
GW1-12G/630A	530	555	18×24=4
GW1-24G/400A	510	555	18×24=4
GW1-24G/630A	530	555	18×24=4

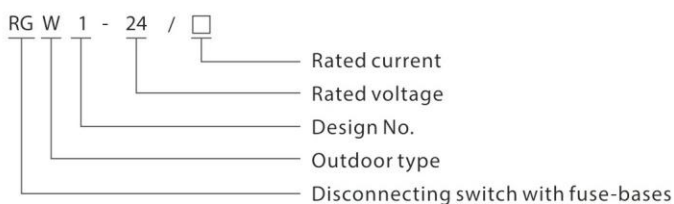
RGW1-24 Type Three Pole Outdoor Disconnecting Switch With Fuse-bases

Summary

RGW1-24 series three pole outdoor disconnecting switch with fuse-bases is the high voltage switch equipment, in the suitable for outdoor 24kV line internet with voltage and no load, to make separate and fabricate. With CS8 type manpower operate machinery to avoid earth line with power and composite flash-locks and wrong operate. The operator no need put another earth line. Pollution-proof type isolate switch of customer in filthy conduction area. It can solve the pollution of shed when it is work.



Definition of model



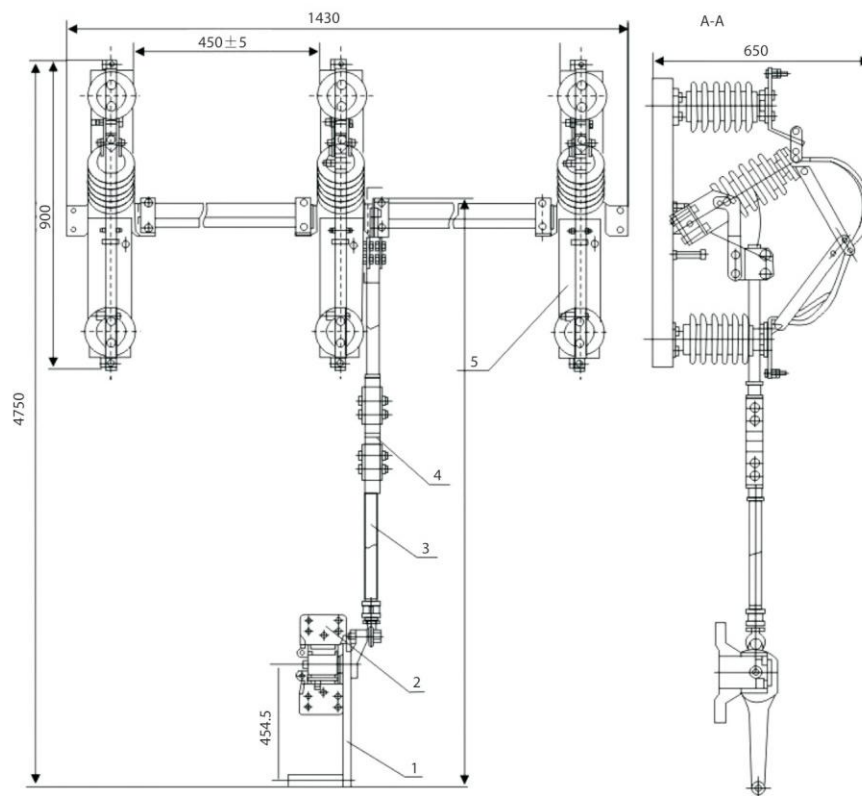
Service condition

- The altitude above sea level: 2000m.
- The ambient air temperatures: -40 to 40°C
- Wind speed doesn't exceed 700Pa (not exceed 34m/s)
- The earthquake intensity doesn't exceed 8 degrees.
- The working situation: without frequent violent vibration.
- The installation site of ordinary type isolator should be kept away from gas, smoke chemical deposition, salt-spray fog, dust and other explosive and corrosive matters that affect seriously insulation and conduction capability of the isolator.
- Pollution proof type isolator applies to sever filthy conduction area. However, it shouldn't be any explosive matters and matters causing fire.

Key Technical Parameters

Items	Units	Technical parameters	
Rated voltage	kV	24	
Rated frequency	Hz	50	
Rated current	A	630	
Rated short time current	kA	25	
Rated duration of short circuit	S	3	
Rated impulse withstand voltage	To earth	kV	125
	Across the open gap	kV	145
Rated power frequency withstand voltage	To earth	kV	50
	Across the open gap	kV	60

Overall And Installation Dimension



RGW-B 11-33kV

Item No.	Rated Voltage (kV)	Rated Current (A)	4s Heat Steady Current(A)	Shock Steady Current(A)	Impulse Withstand Voltage(kV)	Power-Frequency Withstand Voltage (kV)
RGW-B	11	400	12500	31500	95	42
RGW-B	33	600	12500	31500	195	80

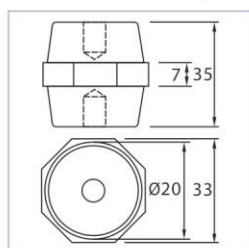
Busbar Insulator

It is the special part to fix, install and insulate on communication, electric power, lightning protection, machinery, medical, wind energy, frequency conversion equipment, new energy vehicles (integrated chassis cabinets, locker, etc.) to provide meet the fixed support, installation and insulation isolation effect of special parts.

- Its appearance is usually the cylinder, hexagonal.
- Operating Temperature: -40°C to +140°C.
- Insert: Brass Steel with Zn coating.
- Material: BMC (Bough Moulding Compound).
- OEM can be provide.

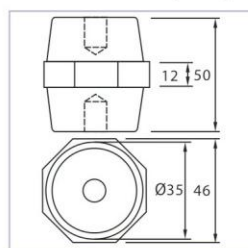


SM-7100×35(mm)



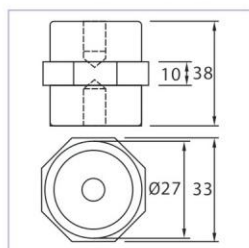
Tensile Strength(LBS)	500
Voltage Withstand(kV)	6
Torgue Strength(FTLBS)	6
Screw(mm)	6
Screw Depth(mm)	9

SM-7120A×50(mm)



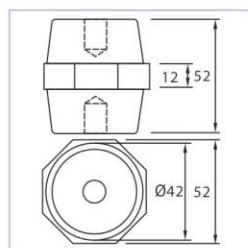
Tensile Strength(LBS)	1200
Voltage Withstand(kV)	15
Torgue Strength(FTLBS)	12 35
Screw(mm)	8 10
Screw Depth(mm)	15 15

SM-7105×38(mm)



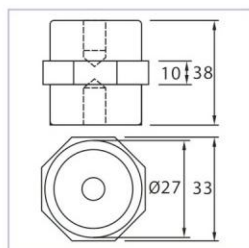
Tensile Strength(LBS)	650
Voltage Withstand(kV)	8
Torgue Strength(FTLBS)	8
Screw(mm)	6
Screw Depth(mm)	10

SM-7120A×52(mm)



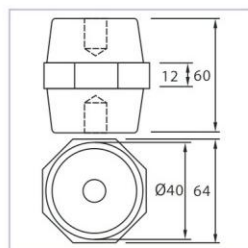
Tensile Strength(LBS)	1200
Voltage Withstand(kV)	15
Torgue Strength(FTLBS)	12 35
Screw(mm)	10 10
Screw Depth(mm)	15 15

SM-7105×38(mm)



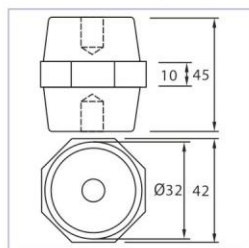
Tensile Strength(LBS)	650
Voltage Withstand(kV)	8
Torgue Strength(FTLBS)	8
Screw(mm)	8
Screw Depth(mm)	10

SM-7120A×60(mm)



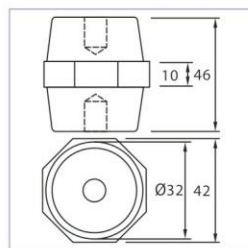
Tensile Strength(LBS)	1200
Voltage Withstand(kV)	15
Torgue Strength(FTLBS)	12 35
Screw(mm)	10 12
Screw Depth(mm)	15 15

SM-7110×45(mm)



Tensile Strength(LBS)	800
Voltage Withstand(kV)	10
Torgue Strength(FTLBS)	10
Screw(mm)	8
Screw Depth(mm)	12

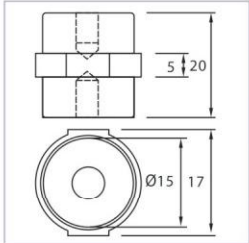
SM-7110×45(mm)



Tensile Strength(LBS)	800
Voltage Withstand(kV)	10
Torgue Strength(FTLBS)	10
Screw(mm)	10
Screw Depth(mm)	12

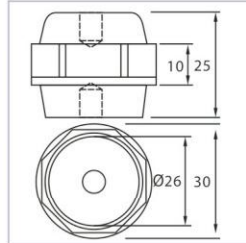
Busbar Insulator

SM-20(mm)



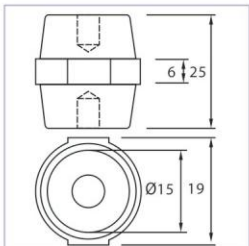
Tensile Strength(LBS)	300
Voltage Withstand(kV)	5
Torgue Strength(FTLBS)	4
Screw(mm)	6
Screw Depth(mm)	7

SM-25(mm)



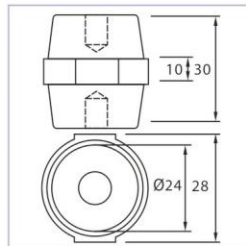
Tensile Strength(LBS)	600
Voltage Withstand(kV)	6
Torgue Strength(FTLBS)	6
Screw(mm)	6(8)
Screw Depth(mm)	9

SM-25S(mm)



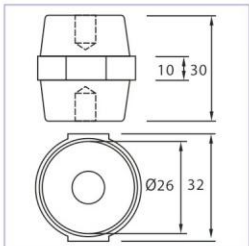
Tensile Strength(LBS)	400
Voltage Withstand(kV)	6
Torgue Strength(FTLBS)	5
Screw(mm)	6
Screw Depth(mm)	8

SM-30(mm)



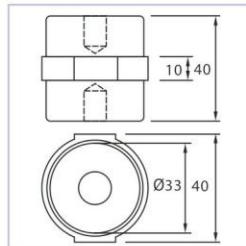
Tensile Strength(LBS)	600
Voltage Withstand(kV)	6
Torgue Strength(FTLBS)	6
Screw(mm)	6(8)
Screw Depth(mm)	9

SM-35(mm)



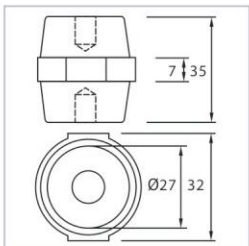
Tensile Strength(LBS)	600
Voltage Withstand(kV)	10
Torgue Strength(FTLBS)	10
Screw(mm)	8
Screw Depth(mm)	11

SM-40(mm)



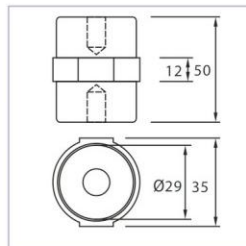
Tensile Strength(LBS)	660
Voltage Withstand(kV)	12
Torgue Strength(FTLBS)	12
Screw(mm)	6(8)(10)
Screw Depth(mm)	11

SM-32×30(mm)



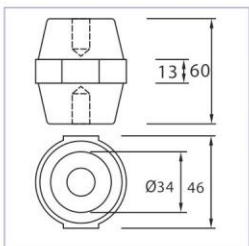
Tensile Strength(LBS)	550
Voltage Withstand(kV)	8
Torgue Strength(FTLBS)	8
Screw(mm)	6(8)
Screw Depth(mm)	11

SM-51(mm)



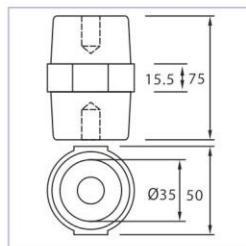
Tensile Strength(LBS)	1000
Voltage Withstand(kV)	15
Torgue Strength(FTLBS)	20
Screw(mm)	6(8)(10)
Screw Depth(mm)	11

SM-60(mm)



Tensile Strength(LBS)	1200
Voltage Withstand(kV)	20
Torgue Strength(FTLBS)	35
Screw(mm)	(8)(10)
Screw Depth(mm)	15

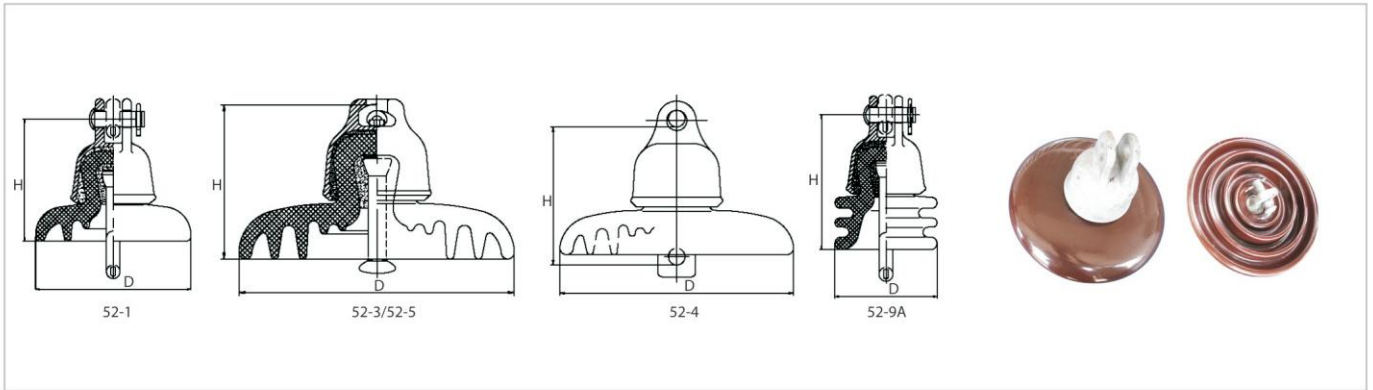
SM-76(mm)



Tensile Strength(LBS)	1600
Voltage Withstand(kV)	25
Torgue Strength(FTLBS)	40
Screw(mm)	10
Screw Depth(mm)	15

Suspension Insulator

- 52 Series Ball-Socket and Clevis-Tongue Type.
- Standard: ANSI C29.1 ANSI C29.2.
- Voltage: 6-33kV.

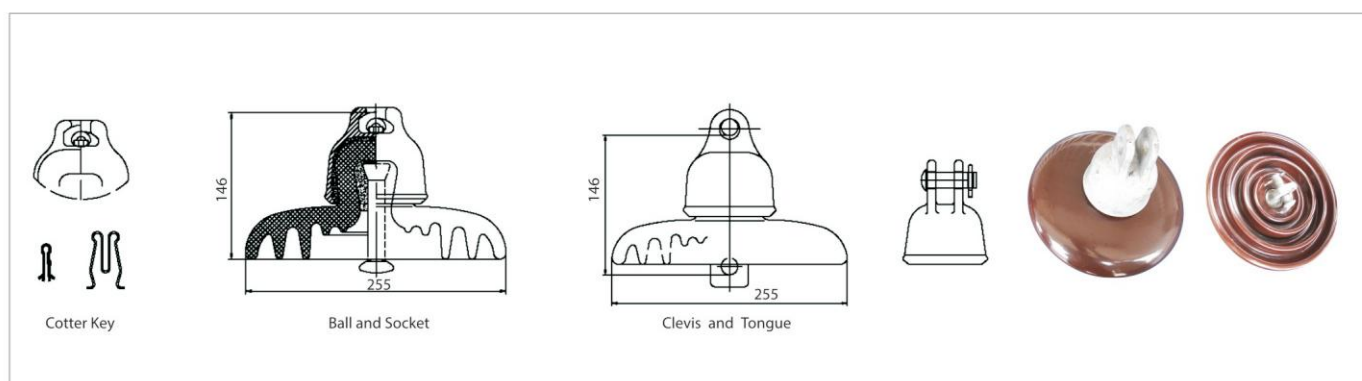


ANSI CLASS		52-1	52-2	52-3	52-4	52-5	52-9A/B
Porcelain Shell Diameter, D, mm		165	190	254	254	254	108
Unit Spacing, H, mm		140	146	146	146	146	159
Leakage Distance, mm		178	210	292	292	292	171
Combined M & E Strength, kN		44	70	70	70	111	44
Impact Strength, N-m		5	5	6	6	7	5
Tension Proof Load, kN		22	33.5	33.5	33.5	55.5	22
Low-Frequency Flashover Voltage	Dry, kV	60	65	80	80	80	60
Low-Frequency Flashover Voltage	Wet, kV	30	35	50	50	50	30
Critical Impulse Flashover Voltage	Pos., kV	100	115	125	125	125	100
Critical Impulse Flashover Voltage	Neg., kV	100	115	130	130	130	90
Lower- Frequency Puncture Voltage, kV		80	90	110	110	110	80
Radio Influence Voltage Data	Test Voltage to Ground, kV	7.5	7.5	10	10	10	7.5
Radio Influence Voltage Data	Max. RIV at 1000 KHz, uV	50	50	50	50	50	50
Net Weight, Each, Approx., kg		2.5	3.8	4.6	4.9	5.6	2.6

Each suspension shell undergoes rigorous electrical testing before and after assembly before being shipped.

Suspension Insulator

- Ac Disc Porcelain Insulators (Normal Type).
- Standard: IEC60383.
- Voltage:6-33kV.
- Suspension insulators are available for ball & socket or clevis-tongue coupling.
- Standard caps are constructed of hot-dip galvanized malleable iron.
- Cotter keys for locking ball & socket and clevis pin connections are stainless steel.
- The normal type disc suspension insulators include standard type and large creepage distance type, which are widely used in clean area and light pollution area.

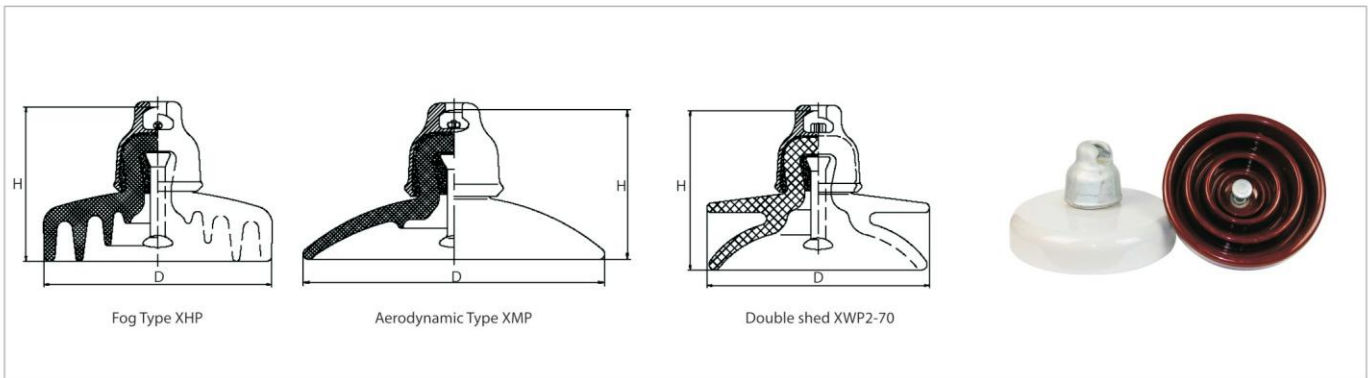


IEC CLASS		U70BL	U70C	U80BL	/	U100BL	U120B
Item No.		XP-70	XP-70C	XP-80	XP-90	XP-100	XP-120
Porcelain Nominal Diameter,D.mm		255	255	255	255	255	255
Unit Spacing,H.mm		146	146	146	146	146	146
Standard Coupling Size		16	16C	16	16	16	16
Nominal Creepage Distance,mm		295/320	295	295	295	295/320	295/320
		70	70	80	90	100	120
Routine Tension Load,kN		35	35	40	45	50	60
Impact failing load,N-m		6	6	6	6	7	7
Power Frequency Withstand Voltage	Dry, kV	70	70	70	70	70	70
Power Frequency Withstand Voltage	Wet, kV	40	40	40	40	40	40
Dry Lightning Impulse Withstand Voltage, kV		100	100	100	100	100	100
Power Frequency Puncture Voltage,kV		110	110	110	110	110	110
Radio Influence Voltage Data	Test Voltage to Ground, kV	10	10	10	10	10	10
Radio Influence Voltage Data	Max. RIV at 1000 KHz, uV	50	50	50	50	50	50
Net Weight,Each, Approx., kg		4.6	4.8	4.9	5.3	5.7	6

Each suspension shell undergoes rigorous electrical testing before and after assembly before being shipped.

Suspension Insulator Fog Type, Double-shed and Aerodynamic Type

- The fog type insulators usually serve in coastlands and rainy areas with large creepage distance structure and well flashover performance in wet condition.
- The aerodynamic type insulators, with streamline structure, low deposit rate of insoluble material and great self-clean function take the special protection effect in insulator strings.
- The double-shed and tri-shed type insulator with big diameter, large creepage distance, great self-clean function and strong resistance to pollution, especially serving in droughty, rainless and windy areas.

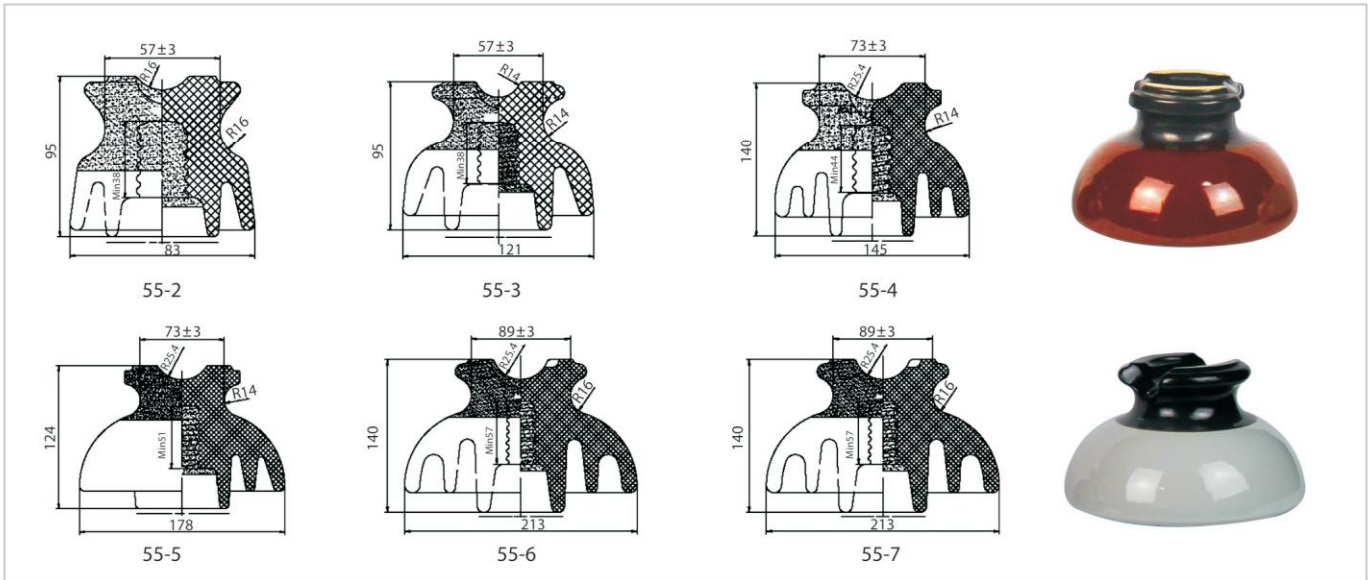


IEC CLASS		U70BLP	U80BLP	U100BLP	U120BP	U70BL	U70BLP
Item No.		XHP-70	XHP-80	XHP2-100	XHP1-120	XMP-70	XWP2-70
Porcelain Nominal Diameter,D.mm		255	255	255	255/280	350	255
Unit Spacing,H.mm		146	146	146	146	146	146
Standard Coupling Size		16	16	16	16B	16	16
Nominal Creepage Distance,mm		432/450	432	432/450	432/450	300	400/450
Rated E&M Failing load,kN		70	80	100	120	70	70
Routine Tension Load,kN		35	40	50	60	35	35
Impact failing load,N-m		6	6	7	7	/	/
Power Frequency Withstand Voltage	Dry, kV	80	80	80	80	70	80
Power Frequency Withstand Voltage	Wet, kV	42	42	42	42	40	42
Dry Lightning Impulse Withstand Voltage, kV		120	120	120	120	105	120
Power Frequency Puncture Voltage, kV		120	120	120	120	120	120
Radio Influence Voltage Data	Test Voltage to Ground, kV	10	10	10	10	10	10
Radio Influence Voltage Data	Max. RIV at 1000 KHz, uV	50	50	50	50	50	50
Net Weight, Each, Approx., kg		6.1/6.3	6.5	7.7/7.9	8/8.2	5.7	5.9/6.4

Each suspension shell undergoes rigorous electrical testing before and after assembly before being shipped.

Pin Type Insulator

- 55 Series Low and Medium Voltage Pin Type.
- Standard: ANSI C29.1, ANSI C29.5.
- Voltage:4-12kV.

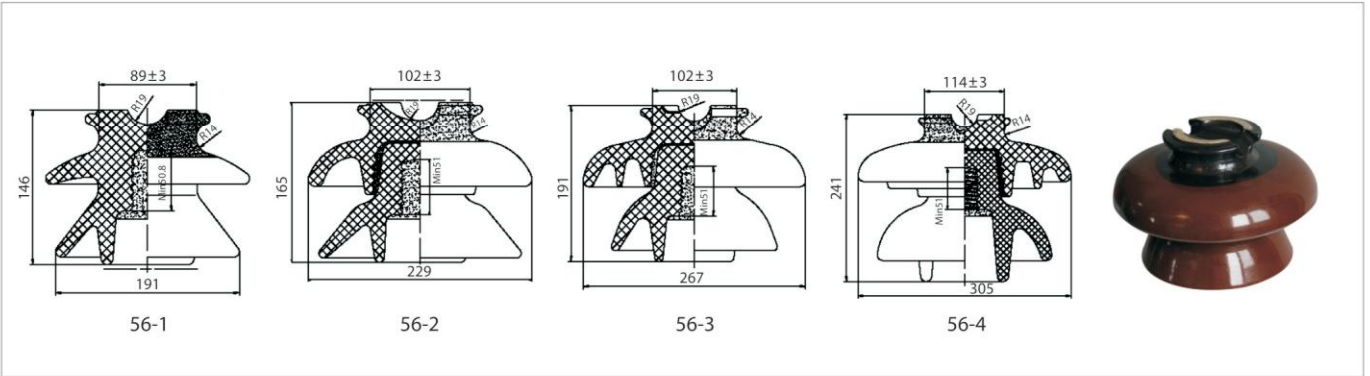


ANSI CLASS		55-2	55-3	55-4	55-5	55-6	55-7
Neck Type		C	C	F	F	J	J
Leakage Distance, mm		127	178	229	305	381	381
Dry Arcing Distance, mm		86	114	127	159	203	203
Minimum Pin Length, mm		102	127	127	152	190	190
Cantilever Strength, kN		11	11	13	13	13	13
Low-Frequency Flashover Voltage	Dry, kV	45	55	65	80	100	100
Low-Frequency Flashover Voltage	Wet, kV	25	30	35	45	50	50
Critical Impulse Flashover Voltage	Pos., kV	70	90	105	130	150	150
Critical Impulse Flashover Voltage	Neg., kV	85	110	130	150	170	170
Lower- Frequency Puncture Voltage, kV		70	90	95	115	135	135
Radio Influence Voltage Data	Test Voltage to Ground, kV	5	10	10	15	22	22
Radio Influence Voltage Data	Max. RIV at 1000 KHz, uV	50	50	50	100	100	100
Net Weight, Each, Approx., kg		0.75	1.1	1.7	2.9	4.4	4.4

Above data for radio -freed type. Plain type are available if required.

Pin Type Insulator

- 56 Series High -Voltage Pin Type.
- Standard: ANSI C29.1, ANSI C29.6.
- Voltage:11-36kV.

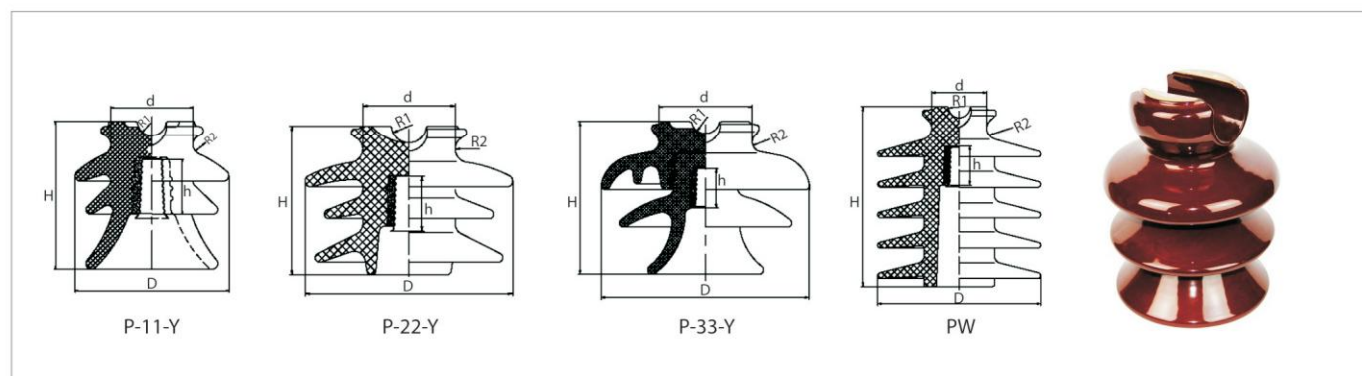


ANSI CLASS			56-1	55-2	56-3	56-4	56-5
Neck Type			J	K	K	/	/
Leakage Distance, mm			330	432	533	685	864
Dry Arcing Distance, mm			178	210	241	285.8	355.6
Min. Pin Length, mm			152	178	203	254	305
Main Dimensions, mm	D-Diameter		191	229	267	305	343
Main Dimensions, mm	H-Height		146	165	191	241	318
Main Dimensions, mm	N-Neck Diameter		89	102	102	114	140
Main Dimensions, mm	E-Pin Diameter		35	35	35	35	35
Main Dimensions, mm	S-Saddle Groove Radius		19	19	19	19	19
Main Dimensions, mm	Wire Grooves Radius		14	14	14	14	14
Cantilever Strength, kN			2500 (11)	3000 (13.2)	3000 (13.2)	3000 (13.2)	3000 (13.2)
Min Flashover Voltage	Power Frequency	Dry, kV	95	110	125	140	175
Min Flashover Voltage	Power Frequency	Wet, kV	60	70	80	95	125
Min Flashover Voltage	Critical Impulse	Pos., kV	150	175	200	225	270
Min Flashover Voltage	Critical Impulse	Neg., kV	190	225	265	310	340
Radio Influence Voltage Data	Test Voltage to Ground, kV		15	22	30	30	44
Radio Influence Voltage Data	Max.RIV at 1000 KHz, uV		100	100	200	200	200
Power Frequency Puncture Voltage, kV			130	145	165	185	225

Each suspension shell undergoes rigorous electrical testing before and after assembly before being shipped.

Pin Type Insulator

- BS 11kV 22kV 33kV Pin Type.
- Standard: BS 137, IEC60383.
- Voltage:11-36kV.

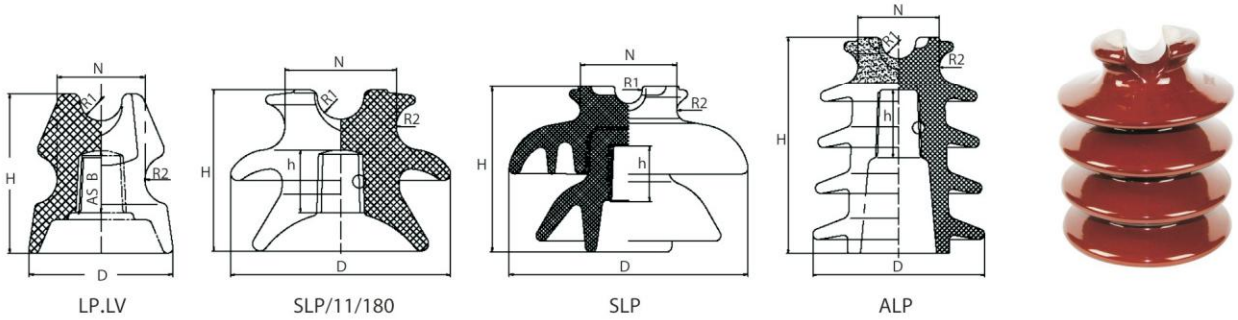


BS CLASS			P-11-Y	P-15-Y	P-22-Y	P-33-Y	PW-15-Y	PW-22-Y
Creepage Distance, mm			254	298	432	630	432	673
Dry Arcing Distance, mm			102	133	200	360	197	267
Dimensions, mm	H - Height		130	137	165	244	185	255
Dimensions, mm	h- Depth of Thread		140	152	229	280	170	205
Dimensions, mm	D-Diameter		48	48	52.6	52.6	52.6	52.6
Dimensions, mm	d- Pin Diameter		18.3	18.3	27.8	27.8	27.8	27.8
Dimensions, mm	R1-Saddle Groove Radius		13	13	19	11	16	16
Dimensions, mm	R2-Wire Grooves Radius		9.5	11	14.3	13	16	16
Cantilever Strength, kN			11	11	11	13	11	11
Min Flashover Voltage	Power Frequency	Dry, kV	75	80	100	135	100	125
Min Flashover Voltage	Power Frequency	Wet, kV	50	55	60	95	65	95
Min Flashover Voltage	Critical Impulse	Pos., kV	115	130	160	180	150	190
Min Flashover Voltage	Critical Impulse	Neg., kV	150	175	205	290	190	235
Withstand Voltage	One Minute Power Frequency	Dry, kV	65	70	90	110	90	110
Withstand Voltage	One Minute Power Frequency	Wet, kV	40	50	55	75	60	90
Impulse Withstand Voltage, kV			90	110	150	170	140	180
Radio Influence Voltage Data	Test Voltage to Ground, kV		15	15	22	30	22	30
Radio Influence Voltage Data	Max.RIV at 1000 KHz, uV		8000	8000	12000	16000	12000	16000
Power Frequency Puncture Voltage, kV			150	150	145	210	150	199

Above data for radio -freed type. Plain type are available if required.

Pin Type Insulator

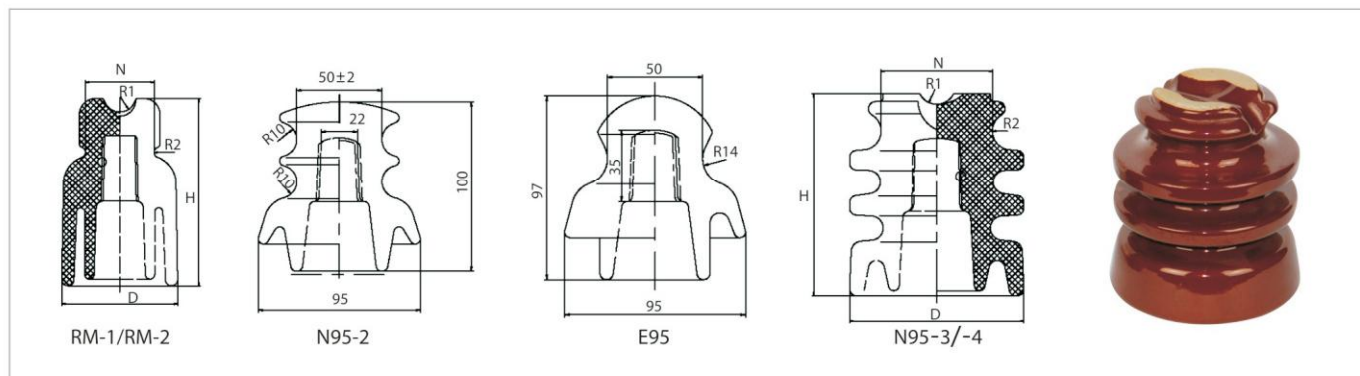
- AS Pin Type Insulators.
- Standard: AS 4899-2007, IEC60383.
- Voltage:0.4-36kV.



ANSI CLASS		LP.LV	SLP/11/180	SLP/22/420	SLP/33/534	ALP/11/275	ALP/22/450
Nominal Voltage, kV		-	11	22	33	11	22
Creepage Distance, mm		-	180	420	534	275	450
Dimensions, mm	H - Height	91	110	170	200	160	203
Dimensions, mm	D-Diameter	82	150	229	250	150	160
Dimensions, mm	N-Neck Diameter	50	76	113	113	76	76
Dimensions, mm	R1-Top Groove Radius	12	16	16	16	16	16
Dimensions, mm	R2-Side Grooves Radius	14	16	13	13	16	16
Dimensions, mm	Thread Form, Pattern	B	A	C	C	C	C
Cantilever Strength, kN		7	7	11	11	7	11
Power Frequency Withstand Voltage Wet, kV		-	28	50	70	28	50
Lighting Impulse Withstand, kV		-	95	145	200	95	145
Recommended Spindle		1	A/130/7	C/200/11	C/200/7	C/150/7	C/200/11

Pin Type Insulator

- RM and Other Type Insulators.
- Voltage:0.4-36kV.

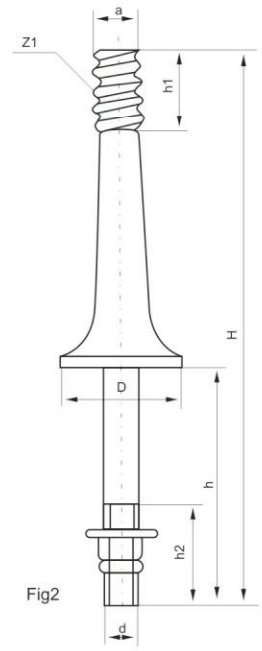
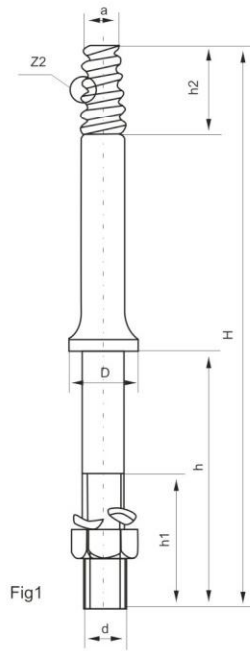
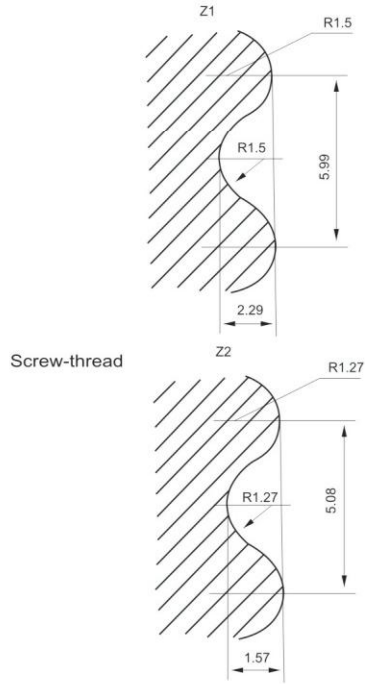


NBR		N95-3	N95-4
Dimensions, mm	D-Diameter	100	130
	H-Height	120	152
	N-Neck Diameter	60	80
	T-Top Diameter	80	100
	R1-Top Groove Radius	14	14
	R2-Wire Grooves Radius	14	14
Minimum leakage Distance, mm		230	318
Dry arcing distance, mm		152	180
Cantilever Strength , kN		9.8	13.5
Low frequency Puncture voltage, kv		95	115
Critical Impulse flashover (1.2*50μs), kV	Positive	115	140
Critical Impulse flashover (1.2*50μs), kV	Negative	140	170
Low frequency Flashover, kV	Dry	70	85
Low frequency Flashover, kV	Wet	45	55
Net Weight, Each, Approx. kg		1.34	2.6

INSULATOR		RM-1	RM-2
Dimensions, mm	D-Diameter	86	70
	H-Height	140	100
	N-Neck Diameter	51	47
	T-Top Diameter	/	/
	R1-Top Groove Radius	12	8.5
	R2-Wire Grooves Radius	4	4
Insulation Resistance M Ω		50000	40000
Net Weight, Each, Approx. kg		1.1	0.5

Item No.	E95	N95-2
Leakage distance, mm	140	130
Minimum Breaking Load, kg	1250	1250
1 minute withstand voltage wet, kV	10	10
Weight, kg	0.55	0.63

Spindles (For Use With Pin Type Insulators)



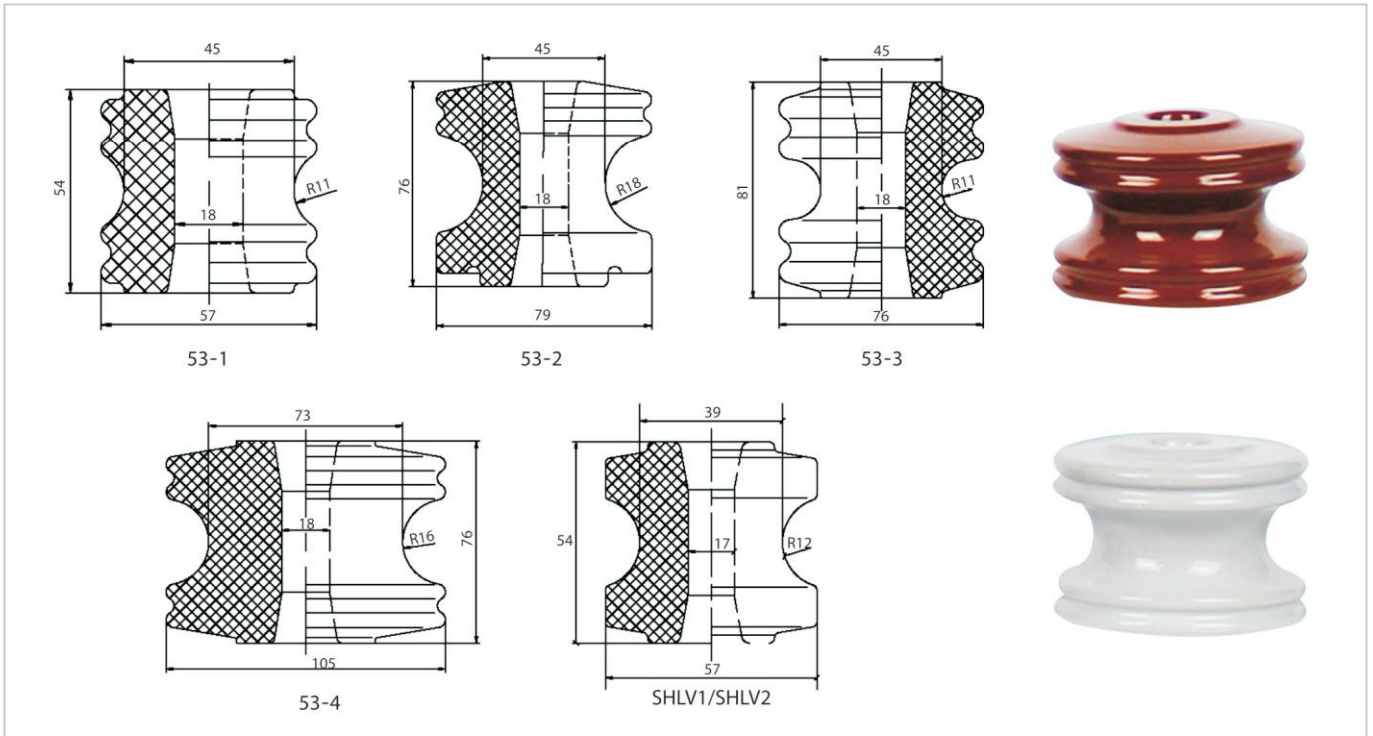
PORCELAIN INSULATOR

30 Specializing In line Fittings Industry From 1989

Item No.	A1022	A1023	A1024	A1025	A1026	
Old Cat.No.	B2201	B2041	B2202	BS.16	BS.29	
Fig	1	1	1	2	2	
Class GB	BS Small steel			BS Large Steel		
Main Dimensions mm	H	305	352	215	261	369
	D	38	41	38	60	51
	h	140	127	50	46	140
	h1	74	80	44	41	78
	h2	44.45	44.45	44.45	47	47
	a	18.29	18.29	18.29	27.78	27.78
	d	20	22	20	22	22
Mechanical strength(KN)	5	5	5	10	10	
Weight(kg)	1	1.2	0.75	1.5	2	

Spool Insulator

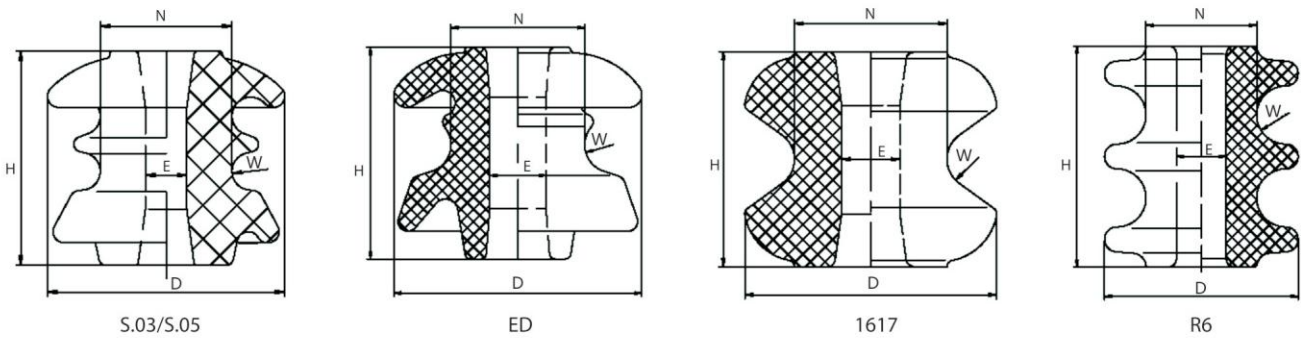
- 53 Series and AS Type.
- Standard: ANSI C29.3, ANSI C29.1, AS 3608.
- Voltage: Low voltage.



SPOOL INSULATORS		ANSI					AS
Item No.		53-1	53-2	53-3	53-4	53-5	SHLV1
Mechanical Failing Load, kN		8.9	13.3	17.8	20	26.7	9
Low Frequency Dry Flashover Voltage, kV		20	25	25	25	35	/
Low Frequency Wet Flashover Voltage, kV	Vertical, kV	8	12	12	12	18	/
	Horizontal, kV	10	15	15	15	25	/
Dimensions, mm	H - Height	54	76	81	76	105	54
	D - Diameter	57	79	76	105	102	57
	N - Neck Diameter	45	45	45	73	73	39
	E - Hole Diameter	18	18	18	18	18	17
	W-Wire Grooves Radius	11	18	11	16	11	12
Net Weight, Each, Approx, kg		0.2	0.55	0.6	1.1	1.16	2.4

Shackle (Spool) Insulator

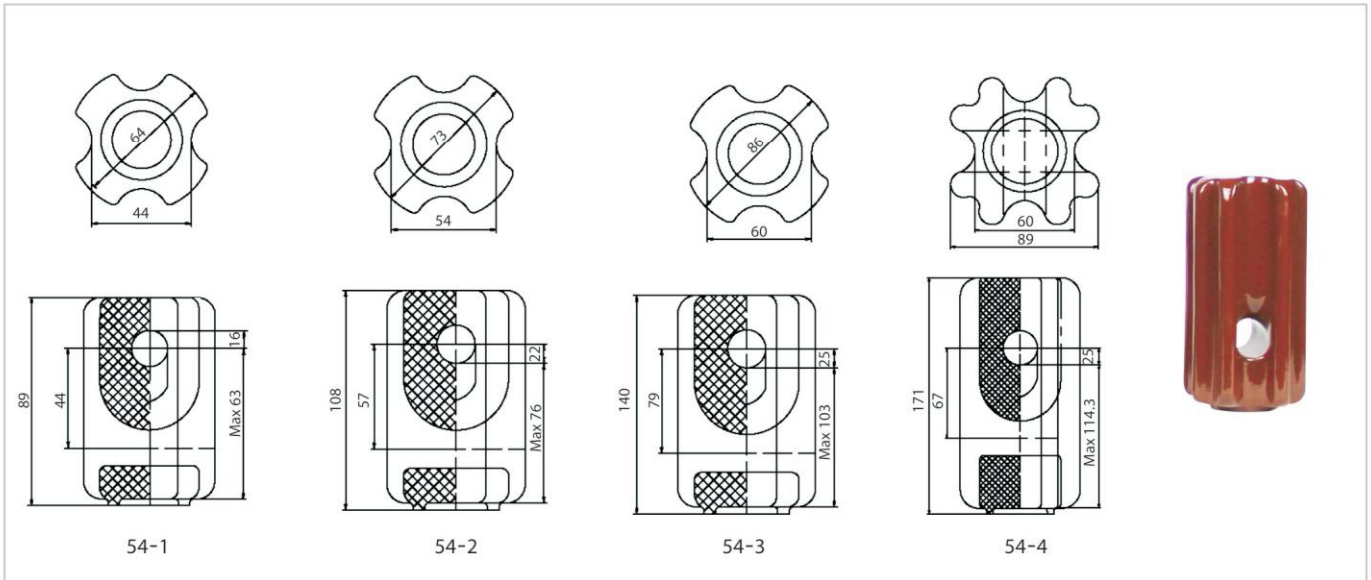
- Standard: IEC60383.
- Voltage: Low voltage.



BS CLASS		Shackle					Spool	
Item No.		S.03	S.05	ED-2	ED-2B	ED-3	1617	R6
Dimensions, mm	H - Height	57	75	75	76	65	65	80
	D - Diameter	63	88	80	89	70	76	70
	N - Neck Diameter	35	41	42	48	36	46	40
	E - Hole Diameter	11	17	20	21	16	17.5	18
	W-Wire Grooves Radius	5	8	10	10	8	9	10
Mechanical Failing Load, kN		6.25	15	10	12.5	8	9	240N
Power Frequency Flashover Voltage	Dry, kV	17	22	18	23	16	20	12
Power Frequency Flashover Voltage	Wet, kV	8	11	9	12	7	9	15
Net Weight, Each, Approx., kg		0.3	0.48	0.4	0.48	0.25	0.4	0.4

Guy Strain Insulator 54 Series

- Strain insulators are mainly used on the guy wire structure to balance the tension strength and also provide the insulating.
- Standard: ANSI C29.4.
- Voltage: 0.4-33kV.



Item No.		54-1	54-2	54-3	54-4
Dimensions, mm	A - Height	89	108	140	171
	B - Hole Centers Spacing	44	57	79	67
	C - Inner Diameter	44	54	60	60
	D - Outer Diameter	64	73	86	89
	E - Cable Hole Diameter	16	22	25	25
	F - Height To Hole	Max63	Max76	Max103	Max114.3
Mechanical Failing Load, kN		44	53	89	89
Low Frequency Flashover Voltage	Dry, kV	25	30	35	40
Low Frequency Flashover Voltage	Wet, kV	12	15	18	23
Net Weight, Each, Approx. kg		0.5	0.65	1.2	2.2

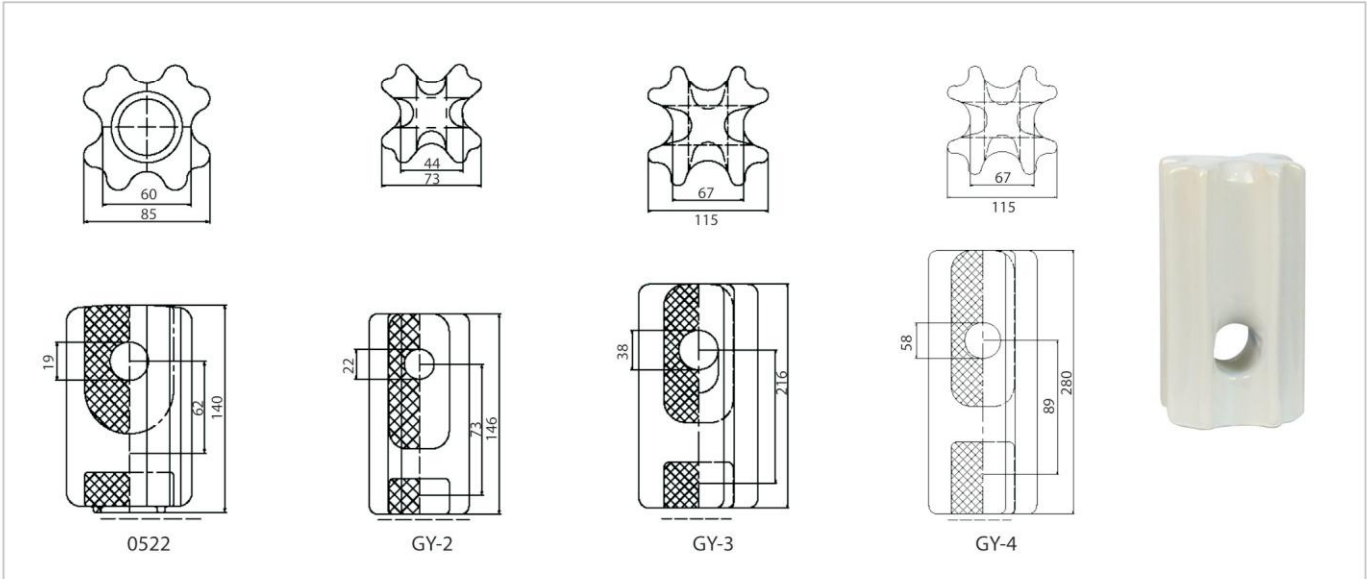
Guy Strain Insulator GY and BS Series

- Strain insulators are mainly used on the guy wire structure to balance the tension strength and also provide the insulating.
- Standard: BS 137, AS 3609.
- Voltage: 0.4-33kV.

PORCELAIN INSULATOR

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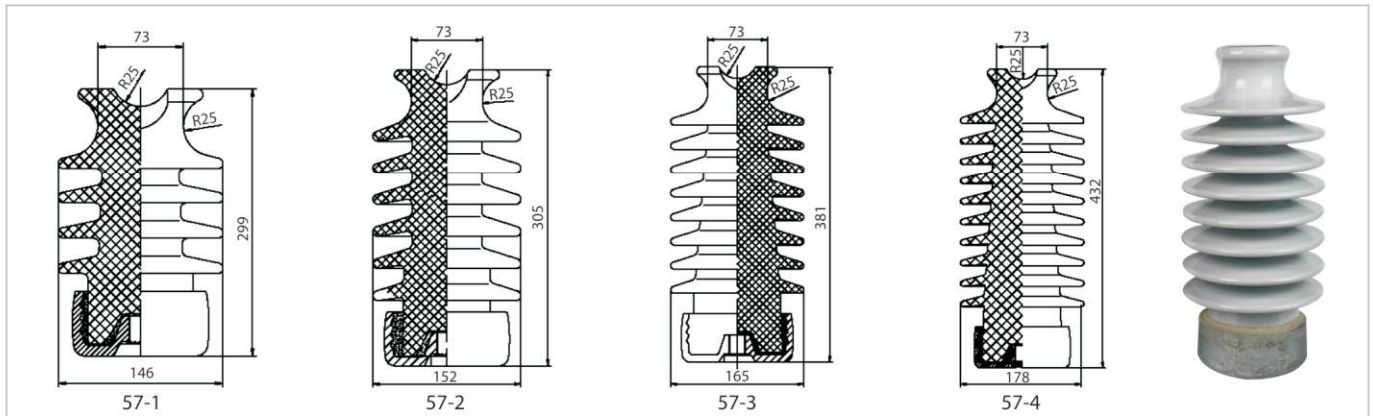
Specializing In line Fittings Industry From 1989



ANSI CLASS		BS-137			AS-3609			
Item No.		11.1075	11.0522	11-3257G	GY-1	GY-2	GY-3	GY-4
Dimensions, mm	A - Height	78	140	220	90	146	216	280
	B - Hole Centers Spacing	50	62	80	48	73	89	89
	C - Inner Diameter	37	60	120	40	44	67	67
	D - Outer Diameter	57	85	135	68	73	115	115
	E - Cable Hole Diameter	19	19	22	16	22	38	38
	F - Height To Hole				60	99	133	165
Mechanical Failing Load, kN		45	110	110	27	71	222	222
Low Frequency Flashover Voltage	Dry, kV	30	35	23	/	/	/	/
Low Frequency Flashover Voltage	Wet, kV	15	18	48	10	15	20	30
Net Weight, Each, Approx. kg		1	1.4	4.8	0.7	1.25	3.8	5

Line Post Insulator 57 Series Tie-Top Type

- Standard: ANSI C29.7-2015.
- Voltage: 11-66kV.



ANSI CLASS	57-1	57-2	57-3	57-4
Creepage Distance (mm)	356	559	737	1015
Dry Arcing Distance (mm)	165	241	311	368
Cantilever Strength (kN)	12.5	12.5	12.5	12.5
Low Frequency Flashover Voltage-Dry (kV)	70	100	125	140
Low Frequency Flashover Voltage-Wet (kV)	50	70	95	110
Critical Impulse Flashover Voltage-Pos. (kV)	120	160	200	230
Test Voltage to Ground (kV)	15	22	30	44
Maximum RIV at 1000KHZ (μ v)	100	100	200	200
Net Weight (kg)	4.8	7.8	11.0	18.0

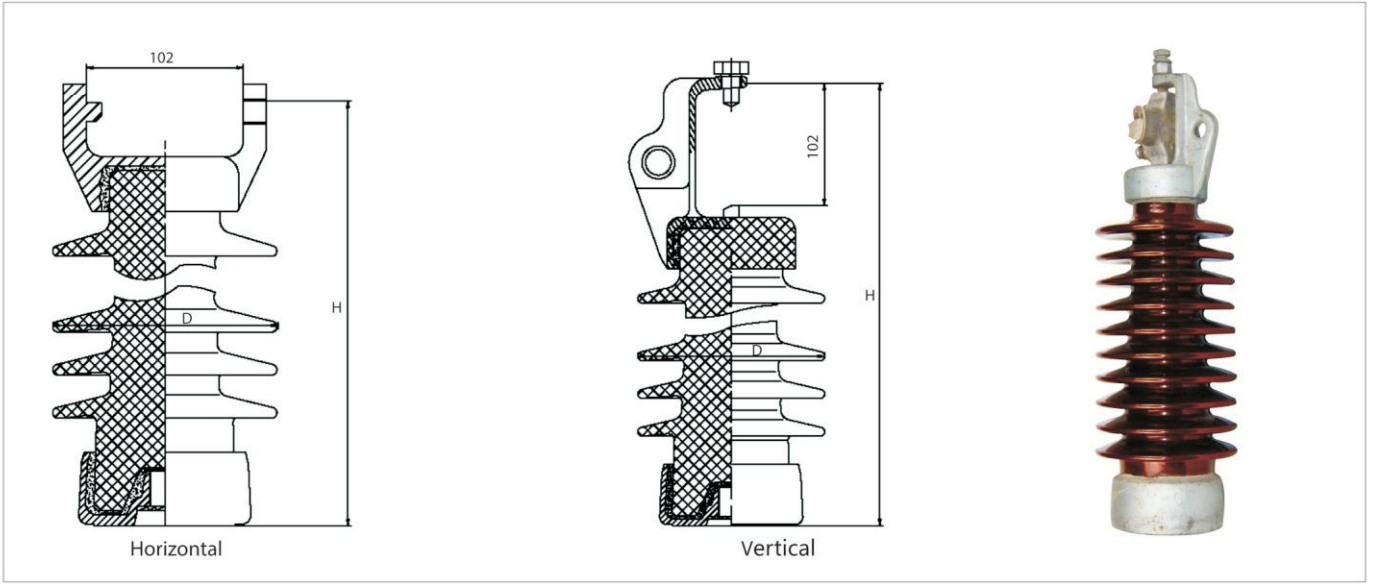
Line Post Insulator 57 Series Vertical Clamp Type and Horizontal Clamp Type

- Standard: IEC60383, ANSI C29.1, ANSI C29.7.
- Voltage: 15-45kV.
- Vertical clamp type line post mounted upright on crossarms and structures.
- Horizontal clamp type line post assemblies for ratings 15 kV through 45 kV.

PORCELAIN INSULATOR

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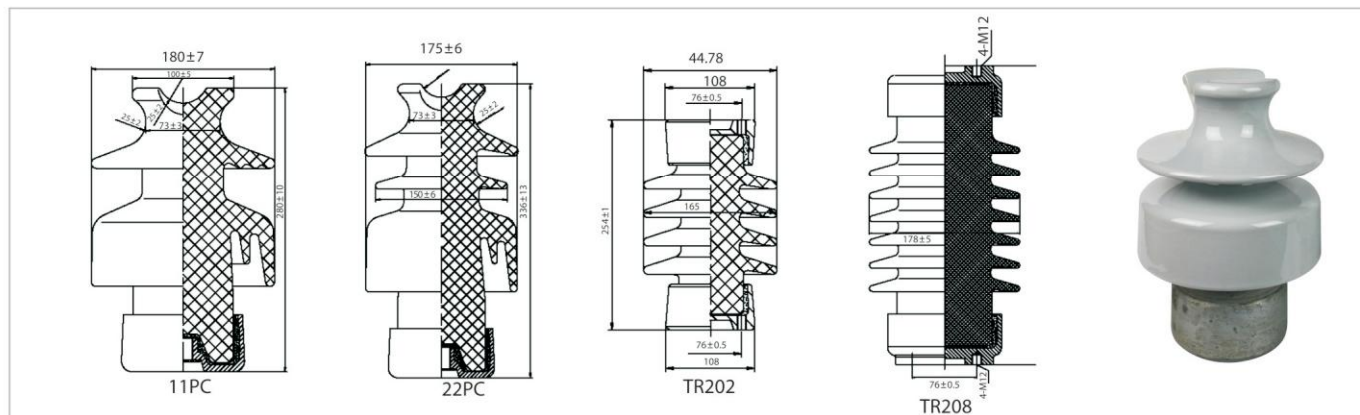
Specializing In line Fittings Industry From 1989



ANSI CLASS	57-11	57-21	57-12	57-22	57-13	57-23
Creepage Distance (mm)	356	356	559	559	737	737
H - Height To Middle of Clamp Assembly	257	276	333	352	400	419
D - Diameter	146	146	160	160	160	160
C - Clamp Throat Width	102	102	102	102	102	102
Dry Arcing Distance(mm)	165	165	241	241	311	311
Cantilever Strength(kN)	12.5	12.5	12.5	12.5	12.5	12.5
Low Frequency Flashover Voltage-Dry(kV)	70	70	100	100	125	125
Low Frequency Flashover Voltage-Wet(kV)	50	50	70	70	95	95
Critical Impulse Flashover Voltage-Pos.,(kV)	120	120	160	160	200	200
Test Voltage to Ground(kV)	15	15	22	22	30	30
Maximum RIV at 1000KHZ(μ v)	100	100	100	100	200	200

Pin Post And Tr Station

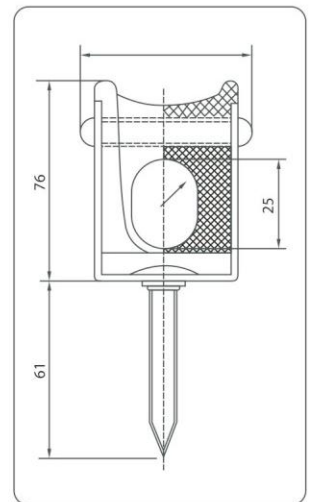
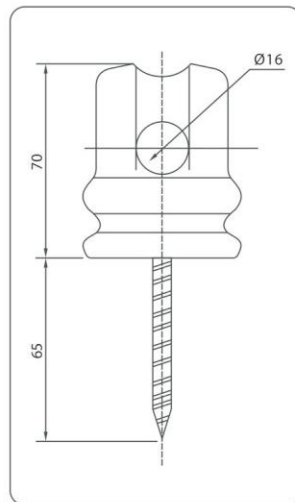
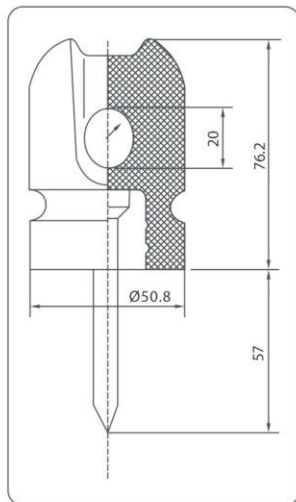
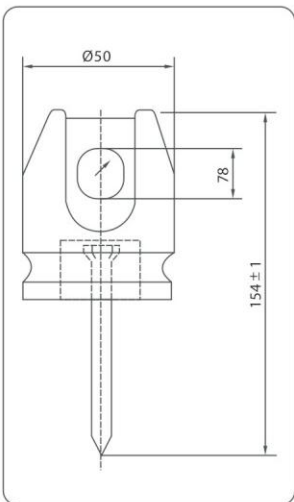
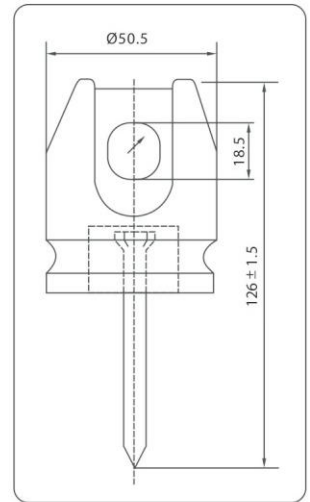
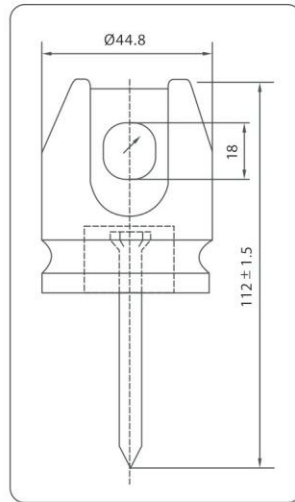
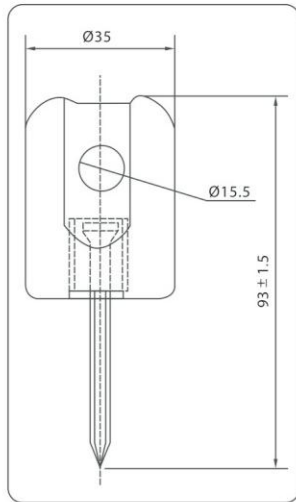
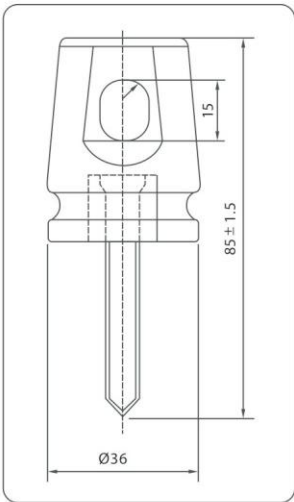
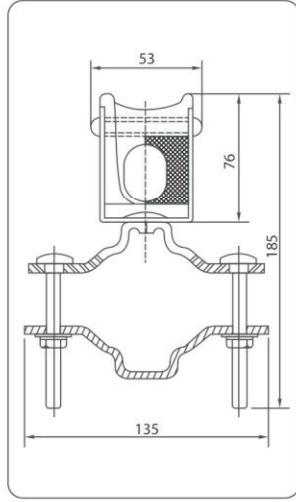
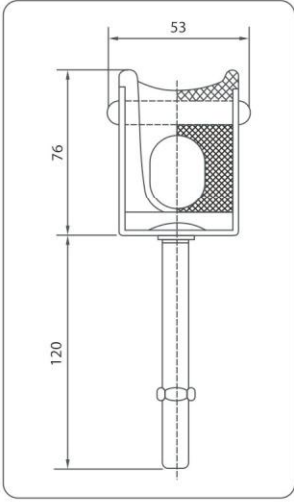
- Standard: IEC60383, ANSI C29.1, ANSI C29.9.
- Voltage: 11-330kV.



CLASS	TR 202	TR 205	TR 208
Creepage Distance(mm)	267	394	610
H - Height	190.5	254	356
D - Diameter	178	178/160	178/160
Cantilever Strength(kN)	8.9	8.9	8.9
Tension Strength	31.2	38	44.5
Torision Strength, N-m	678	791	904
Compression Strength, kN	44.5	44.5	44.5
Low Frequency Flashover Voltage-Dry(kV)	60	85	110
Low Frequency Flashover Voltage-Wet(kV)	40	55	75
Critical Impulse Flashover Voltage-Pos., (kV)	105	125	170
Critical Impulse Flashover Voltage-Neg., (kV)	120	200	250
Power frequency withstand voltage kV	30	50	70
Impulse withstand voltage kV	95	110	150

CLASS	11PC	22PC	33PC
Rated Voltage	11kV	22 kV	33kV
H - Height	280	336	390
D - Diameter	180	175	180
Creepage Distance mm	465	565	720
Cantilever Strength kN	12.5	12.5	12.5
Low frequency	70	95	110
Flashover Voltage (kV)	40	65	85

Wiring And Other Insulator



Glass Insulator

- Standard: IEC60383, ANSI C29.1, ANSI C29.9.
- Voltage: 11-330kV.

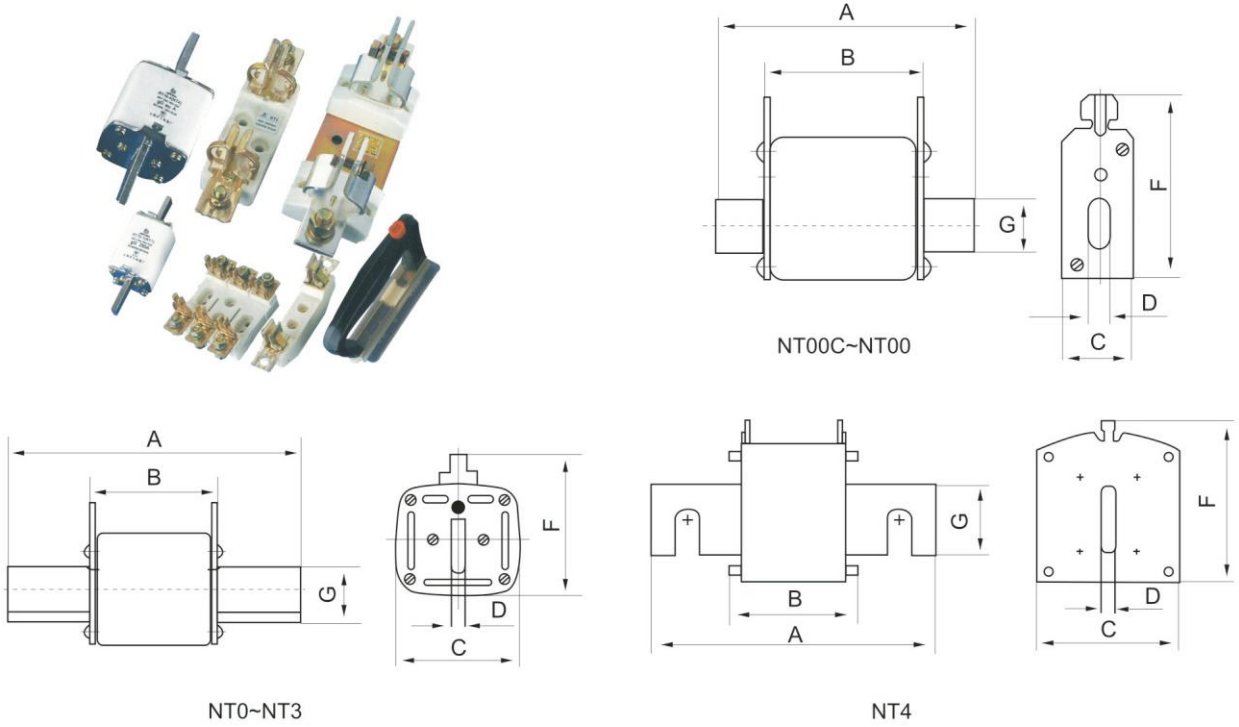


TYPE	IEC	Min Mechanical Failing Load (kN)	H (mm)	D (mm)	Nominal Creepage Distance (mm)	Dry Lightning Impulse Withstand Voltage (kV)	Power Frequency		Standard Coupling	Puncture Withstand Voltage (kV)	Weight (Kg)
							Dry, 1 min	Wet, 1 min			
LXY-40	U40B	70	110	175	190	75	55	30	11	90	2
LXY2-70	U70BL	70	127	255	320	100	70	40	16	130	3.5
LXY1-70	U70BL	70	146	255	320	100	70	40	16	130	3.9
LXY2-100	U100BS	100	127	255	320	100	70	40	16	130	3.9
LXY-100	U100BL	100	146	255	320	100	70	40	16	130	4
LXY2-120	U120BS	120	127	255	320	100	70	40	16	130	3.9
LXY-120	U120BL	120	146	255	320	100	70	40	16	130	4
LXY4-160	U160BS	160	146	280	380	110	75	45	20	130	6.1
LXY3-160	U 1 60S	160	155	280	380	110	75	45	20	130	6.3
LXY-160	U160BL	160	170	280	380	110	75	45	20	130	6.5
LXY3-210	U210B	210	170	280	400	110	75	45	20	130	6.9
LXY-240	U240B	240	170	280	400	110	75	45	24	130	7.6
LXY3-300	U300B	300	195	320	485	130	85	50	24	130	10.6
LXHY5-70	-	70	146	255	400	120	85	45	16	130	4.7
LXHY5-70	U70BLP	70	146	280	450	125	85	50	16	130	5.9
LXHY4-100	U100BLP	100	146	280	450	125	85	50	16	130	5.9
LXHY4-120	U120BLP	120	146	280	450	125	85	50	16	130	5.9
LXHY3 -160	-	160	155	280	450	125	85	50	20	130	7
LXHY4-160	-	160	170	280	450	125	85	50	20	130	7.3
LXHY7-160	U160BSP	160	146	320	540	140	90	55	20	130	8.5
LXHY6-160	U160BP	160	155	320	540	140	90	55	20	130	8.7
LXHY5-160	U160BLP	160	170	320	540	140	90	55	20	130	9
LXHY3-210	U210BP	210	170	320	540	140	90	55	20	130	9.2
LXHY3-240	U240BP	240	170	320	540	140	90	55	24	130	9.9

Blade Knife Fuse Link NT Series

NT series blade knife fuse links are used for overload and short circuit protection of distributing line.

- Rated Voltage: 500/590V.
- Breaking Capability: 500V-120KA,660v-50KA.
- Function Grade: gG/gL/aM/gM.
- Rated current up to 1250A (AC 50Hz).
- Standard: GB13539, IEC60269 and VDE0636.

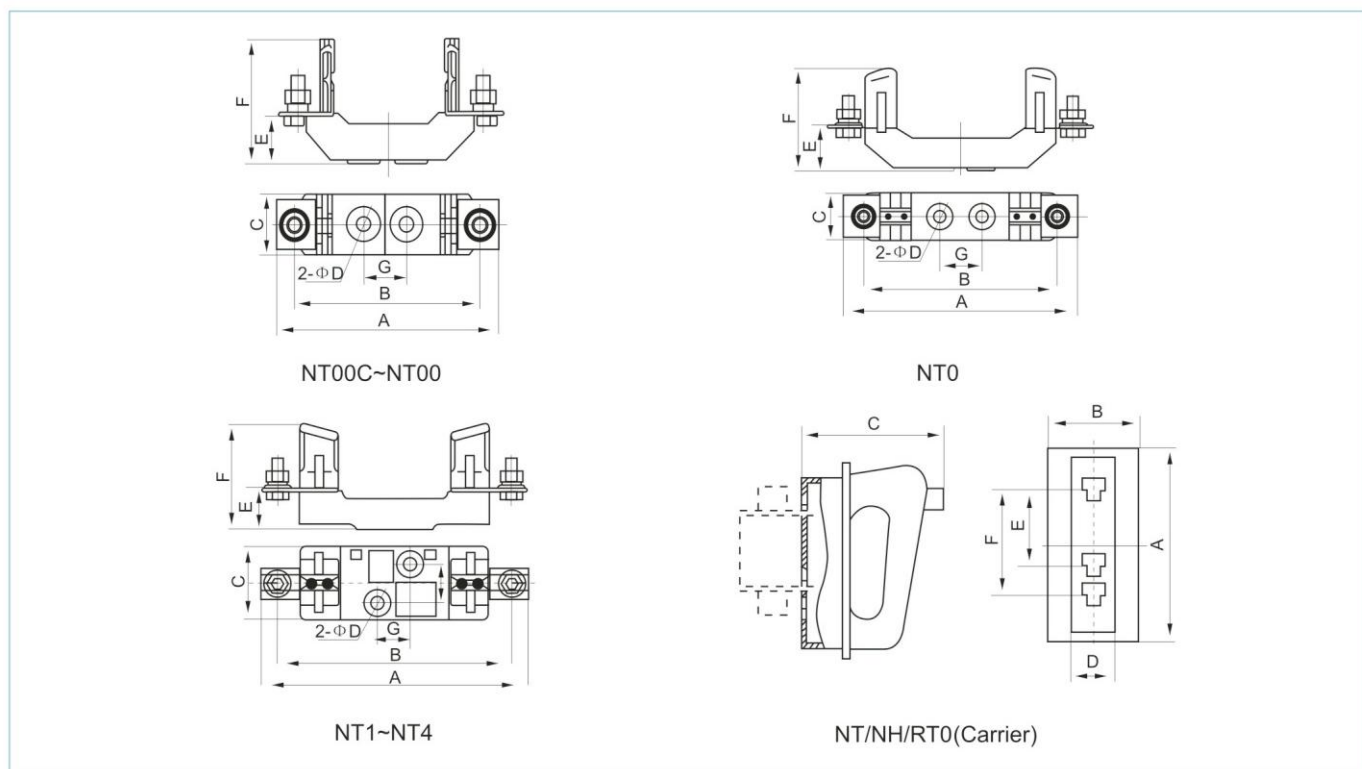


Item No.	Competitor part number	Class rating(A)	Dimension(mm)					
			A	B	C	D	F	G
NT00C	RO30A、3NA3、RT16-000、RT20-000	4-100	78	49	21	6	52.5	15
NT00	RO31、3NA3、RT16-00、RT20-000	4-160	78	49	30	6	55.5	15
NT0	RO31B、3NA3、RT16-0、RT20-0	4-160	125	65	30	6	55.5	15
NT1	RO32、3NA3、RT16-1、RT20-1	80-250	135	68	48	6	60	20
NT2	RO33、3NA3、RT16-2、RT20-2	125-400	150	68	58	6	70	25
NT3	RO34、3NA3、RT16-3、RT20-3	315-630	150	68	67	6	82	32
NT4	RO39、3NA3、RT16-4、RT20-4	800-1250	200	90	97	6	113	50

Fuse Carrier NT/NH/RTO Series

NT/NH/RTO series fuse carriers are used as a mounting and replacing tool for NT/NH/RTO body.

- Rated Voltage: 500/590V.
- Breaking Capability: 500V-120KA,660v-50KA.
- Function Grade: gG/gL.
- Rated current up to 1250A (AC 50Hz).
- Standard: GB13539, IEC60269 and VDE0636.



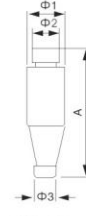
Item No.	Competitor part number	Class rating(A)	Dimension(mm)							
			A	B	C	ØD	E	F	G	H
NT00	sist101	160	120	100	30	7	23	60	25	-
NT0	sist160	160	170	150	30	7	35	73	25	-
NT1	sist201	250	200	175	58	9.5	38	82	25	30
NT2	sist401	400	225	200	64	9.5	40	100	25	30
NT3	sist601	630	240	216	64	9.5	40.5	105	25	30
NT4	sist1001	1250	304	260	96	13	44	145	30	45

NT/NH/RTO fuse carrier technical data.

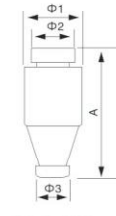
Item No.	Competitor part number	Class rating(A)	Dimension(mm)					
			A	B	C	D	F	G
NT/NH/RTO		4-1250	145	65	93	26	46	65

Fuse RL6 Series

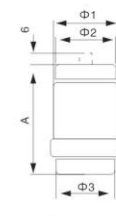
- Rated Voltage: 500V.
- Breaking Capability: 50KA. Function Grade: Gg/Gl/Gtr/Am/Gm.



RL6-16



RL6-25/63

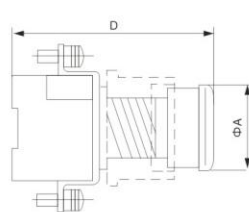


RL6-100

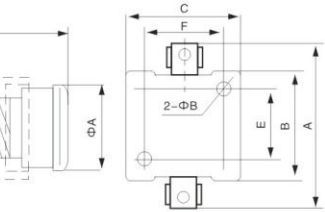
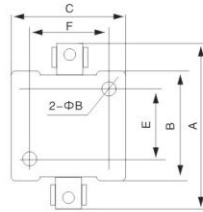
Item No.	Competitor part number	Class rating(A)	Dimension(mm)			
			A	Ø1	Ø2	Ø3
RL6-16	R024、E16、DI、5SA	2-6.	50	12.5	11.3	6
RL6-16	R024、E16、DI、5SA	10	50	12.5	11.3	8
RL6-16	R024、E16、DI、5SA	16	50	12.5	11.3	10
RL6-16	R024、E16、DI、5SA	20	50	12.5	11.3	12
RL6-16	R024、E16、DI、5SA	25	50	12.5	11.3	12
RL6-25	R021、E24、DII、5SB	2-6.	50	21	13	6
RL6-25	R021、E24、DII、5SB	10	50	21	13	8
RL6-25	R021、E24、DII、5SB	16	50	21	13	10
RL6-25	R021、E24、DII、5SB	20	50	21	13	12
RL6-25	R021、E24、DII、5SB	25	50	27	13	14
RL6-63	R022、E33、DIII、5SB	35	50	27	20	16
RL6-63	R022、E33、DIII、5SB	50	50	27	20	18
RL6-63	R022、E33、DIII、5SB	63	50	27	20	20
RL6-100	R0201、DIV	30-100	56	34	32	32

Fuse Carrier RL Series

- Rated Voltage: 500V.
- Breaking Capability: 50KA.
- Function Grade: gG/gL.



RL6-16

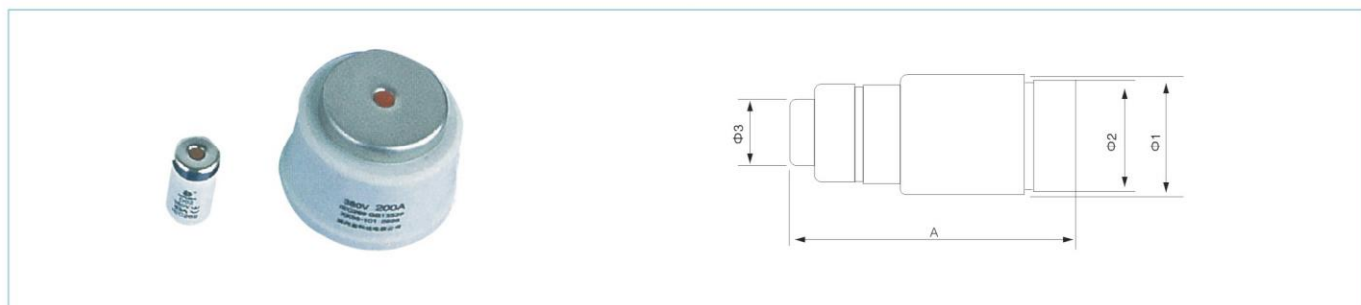


RL6-25/63/100

Item No.	Competitor part number	Class rating(A)	Dimension(mm)							
			A	B	C	D	E	F	ØA	ØB
RL3-16	R024、E16、DI、5SA	25	55	32	30	80	26	22	26	5
RL6-25	R021、E27、DII、5SB	25	65	39	35	80	30	27	38	5
RL6-63	R022、E33、DIII、5SB	63	80	48	44	82	37	34	48	5
RL3-100	R0201、DIV	100	120	76	66	104	55	45	70	8.5

Fuse RL8 Series

- Rated Voltage: 380V.
- Breaking Capability: 50KA.
- Function Grade: gG/gL/gtr/aM/gM.

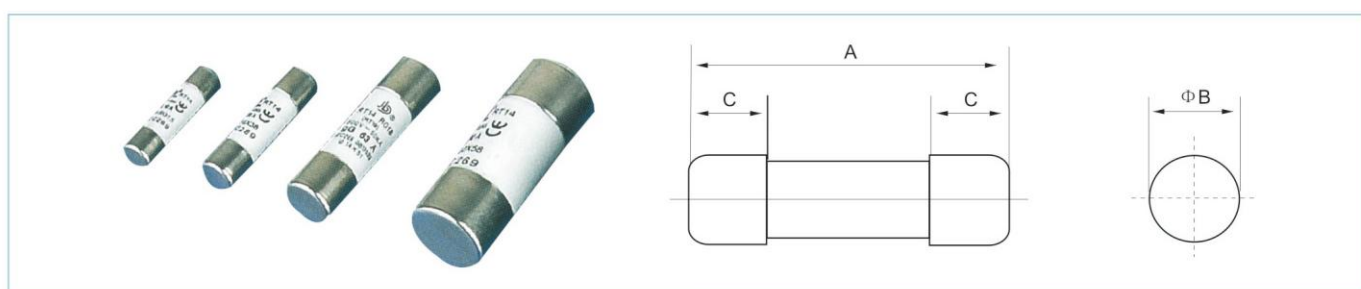


Item No.	Competitor part number	Class rating(A)	Dimension(mm)			
			A	Ø1	Ø2	Ø3
RL8-16	R026-16、E14、D01	2-16.	36	10.5	10.3	5.9
RL8-63	R026-63、E18、D02	20-63.	36	15	14.3	9.8
RL8-100	R026-100、D03	80-100.	43	22	21	16

Cylindrical Fuse Link RT14/RT19 Series

RT14/RT19 series cylindrical fuse series are used for overload and short circuit protection of distributing line.

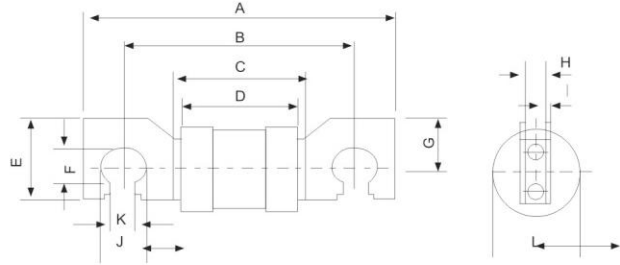
- Rated Voltage: 380/500V.
- Breaking Capability: 80KA.
- Function Grade: gG/gL/gtr/aM/gM.
- Rated current up to 125A (AC 50Hz).
- Standard: GB13539 and VDE0636.



Item No.	Competitor part number	Class rating(A)	Dimension(mm)		
			A	ØB	C
RT14-20		2-20.	38	10.3	10
RT14-32		2-32	51	14.3	12
RT14-63		10-63	58	22.2	14
RT19-16	aM1	2-16.	31.5	8.5	6.3
RT19-25	aM2	2-25.	38	10.3	10
RT19-40	aM3	10-40	51	14.3	12
RT19-125	aM4	25-125	58	22.2	14

J Type Fuse RGJ Series

- Rated Voltage: 415V.
- Breaking Capability: 80KA.
- Function Grade: Gg/GI/Am/Gm.

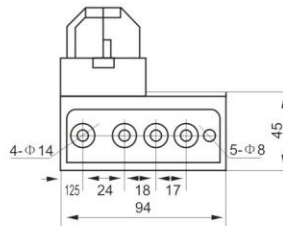
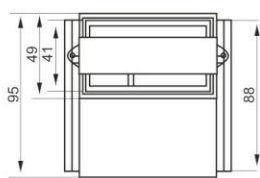
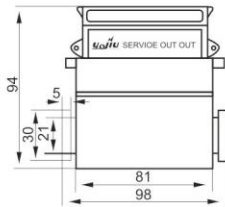


Item No.	Competitor part number	Rated voltage	Class rating (A)	Dimension(mm)											
				A	B	C	D	E	F	G	H	I	J	K	L
RGJ30G82	MJ30-8	415	32-315	110	82	45.2	40.5	30	14.8	18	6.5	2.4	17.5	9.8	30.8
RGJ38G82	MJ30-7	415	355-400	110	82	45.2	40.5	30	14.4	18	6.5	2.4	17.5	9.8	30.8

Service Cut Out Fuse JG Series

JG series service cut out fuses are used for overload and short circuit protection of distributing line.

- Rated Voltage: 415V.
- Breaking Capability: 80KA.
- Function Grade: Gg/GI.
- Rated current up to 125A (AC 50Hz).
- Standard: GB13539 and IEC60269 and BS88.

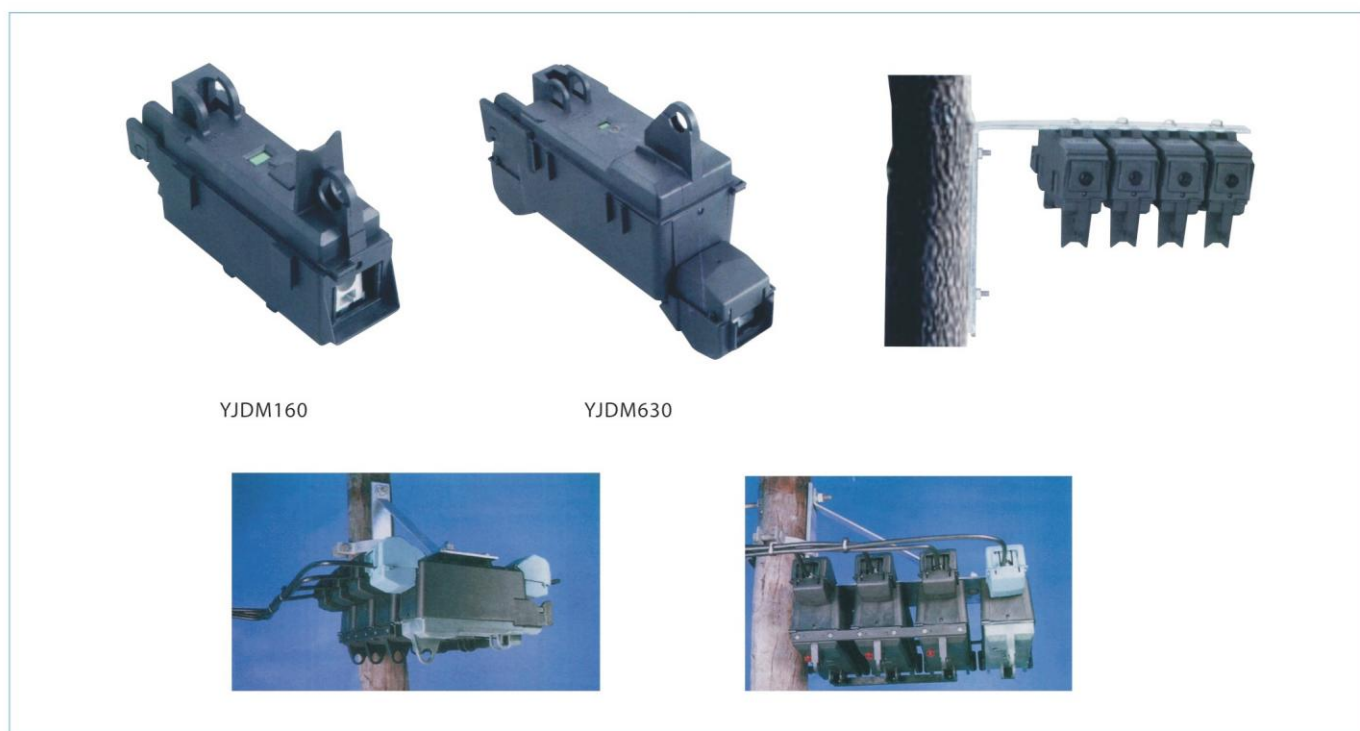


Item No.	Competitor part number	Rated voltage(V)	Class rating (A)	Dimension(mm)
JG14-63	RT94(Ø22×57)	415	30-63	Attached drawing
JG14-125	RT94(Ø30×57)	415	80-125	Attached drawing

Phase Switch YJDM630-3 For NH Fuses Up To 630A, With Three Phase Operation

YJDM630-3 phase switch is suitable for switching and protecting LV overhead lines.

- It provides a protection when doing a connection to low voltage underground systems.
- The design of this equipment allows the opening and closing of the three phases simultaneously and independently from the neutral, which is clearly identified to prevent its disconnection in rigidly landed systems.
- If required, it can be easily transformed in a single phase operation switch as the standard model YJDM630. It can be connected with terminals lugs or directly with its connectors.
- Each phase and the neutral have an indicator which show if the fuse or the blade are installed. The closure of the cap allows the switch to be closed with or without the fuse preventing the risk of leaving live parts exposed.
- It can also be provided with a led to show the fusion of the fuses.



YJDM160

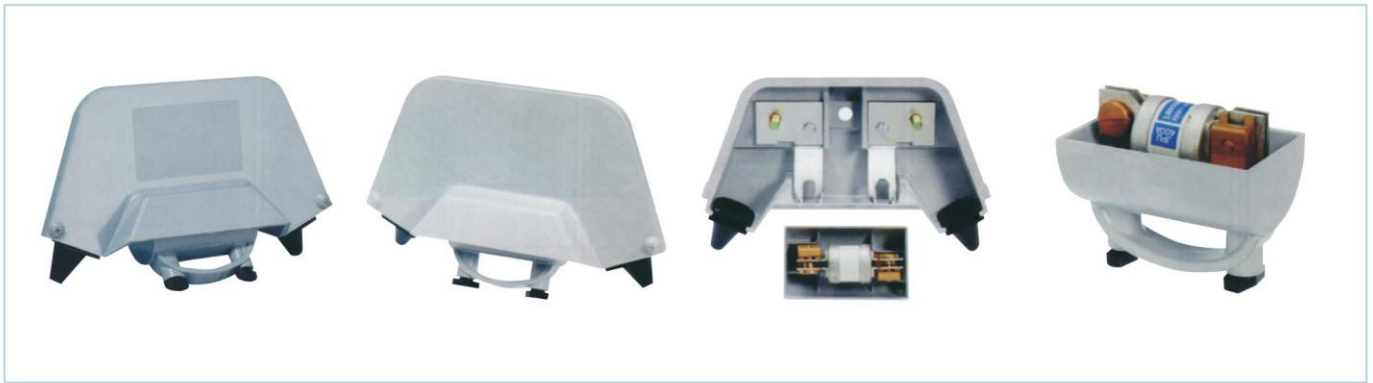
YJDM630

Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operational current with fuses	630A
Operational current with blades	800A
Installation category	AC22
Short lasting current(1s)	12kA
Dynamic current(crest)	50kA
Interruption capacity	100kA
Operations behavior without load (oper)	800
Operations behavior(operation)(400A Cos fi 0,65)	200
Weight	1.8kg
Protection range	IP23

400A Overhead Service Fuse Cutout Carrier

400A overhead service fuse cutout carrier is designed with ease of use and simplicity in mind, this pole mountable fuse cutout is the ideal method of providing rural dwellings with a safe, protected and reliable low voltage power supply.

- The body is made of glass reinforced polyester, this fuse cutout is unobtrusive in appearance and vandal resistant, when compared to many of the more traditional materials such as porcelain.
- The fuse carrier accepts "J" type fuses to BS88 rated up to 400A. The terminals will accept solid or stranded aluminium and solid copper conductors in the range 70 to 300mm². An adaptor is available for 25/35mm² copper or aluminium conductors. With the PVC cable sealing grommets in place the cut-out is IP43 rated and has been designed to fully comply with the performance requirements specified in BS7656:1993 for LV pole mounting fuses.
- It has fuse contacts and cable terminal plates which are made of tin-plated copper. These plates incorporate M12 captive studs with nuts and washers for the reception of cable sockets (lugs) up to 300mm² (compression type only at 300mm²) with copper or aluminium conductors.
- For ease of mounting to either a wall or a wooden pole, the M12 coach screw is supplied.
- For cross-arm type mounting, the M12 nut, bolt and washer are supplied.



Model	Fixing Arrangement
54611-18	400A fused cut-out for pole or wall mounting c/w M12 coach screw
54611-06	400A fused cut-out for cross-arm mounting c/w M12 bolt, nut and washer
58424-03	Spare fuse carrier

Note:

- Stepped washer is recommended if the hole on the palm of lug is 16mm or greater.

Fuse links

- This fuse cutout is designed to accommodate standard wedge type fuse link to BS88 part 5:1988.
- Tested and approved for category of duty 415 AC 80.
- Fixing center requirement is 82mm.
- Standard fuse link ratings range from 20 to 400A.