APT 2015	

Jonsson Overhead line equipment

- COMPOSITE INSULATOR
- SURGE ARRESTER
- SURGE PROTECTIVE DEVICE
- FUSE CUTOUT
- FUSE LINKS
- HIGH VOLTAGE HRC FUSE
- LOW VOLTAGE FUSE
- DISCONNECTOR SWITCH
- POLYESTER RESIN INSULATOR
- PORCELAIN INSULATOR
- DISTRIBUTION TRANSFORMER ■ GUY GRIP & DEAD END GRIP
- EARTH ROD & LUGS
- INSULATION PIERCING CONNECTORS&CABLE GLAND
- PARALLEL-GROOVE CLAMP
- STRAIN & SUSPENSION CLAMP
- OVERHEAD LINE EQUIPMENT
- LIGHTING





Company introduction

Yueqing Sarah Electric Technology Co Ltd, Jonsson Overhead Line Equipment Specializes in the design and manufacture of Surge Arrestors, Drop Out Fuse Units (Fuse Cutout), Composite Insulators, Porcelain Insulators, Surge Protection Devices (SPD), Disconnect Switches, Fuse and Fuse gear, metal enclosures and a complete range of low and medium voltage equipment.

Sarah Electric Technology Co Ltd, Jonsson Overhead Line Equipment is approved by China National Test Centre for quality supervision and testing of insulators and surge arrestors. Tested by China National High Voltage Apparatus Quality Supervision Testing Centre.

Sarah Electric Technology Co Ltd, Jonsson Overhead Line Equipment together with the management of the company recognizes the importance of having a proactive Quality Management System in order for the company to have satisfied customers allowing for continuous growth and improvement. Therefore, we are committed to the implementation and maintenance of Quality Systems in accordance with the requirements of our customers and the ISO 9001:2000 Quality Standards, which will be reviewed periodically to ensure continuing suitability.

Sarah Electric Technology Co Ltd, Jonsson Overhead Line Equipment provides high quality products where customer satisfaction can be ensured by adherence to the performance criteria in accordance with our customers' specifications, technical and delivery requirements. Our Quality Policy is thus directed towards achievement of these objectives.

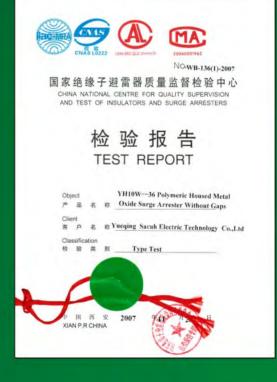
Jonsson











Jonsson

54R24H







国家绝缘子避雷器质量监督检验中心 AND TEST OF INSIII ATORS AND SURGE ARRESTEDS

检验报告 TEST REPORT

F75W-12/10 Object 产 畫 名 版 Line post composite insulator YUEQING SARAH S A S E ELECTRIC TECHNOLOGY CO., LTO Classification 枝 畦 黄 刧 28 Dec. 2008



国家绝缘子避雷器质量监督检验中心 AND TEST OF INSULATORS AND SURGE ARRESTEDS

检验报告 TEST REPORT

FZSW-24/8 Object 产 墨 名 数 Line post composite insulator YUEQING SARAH Client

S P S ELECTRIC TECHNOLOGY CO., LTD Type tests 2008 年 12 月 28 日







国家绝缘子避雷器质量监督检验中心 AND TEST OF INSULATORS AND SURGE ARRESTER

检验报告 TEST REPORT

F750 76/6 Object 产品 & 版 Line post composite insulator
YUEQING SARAH S C S ELECTRIC TECHNOLOGY CO., LTD 2008 年 12 月 27 日









国家绝缘子避雷器质量监督检验中心 AND TEST OF INSIII ATORS AND SURGE ARRESTERS

检验报告 TEST REPORT

FZSW-66/10 Object 产品名验 Line post composite insulator YUEQING SARAH S P S M ELECTRIC TECHNOLOGY CO., LTD 中 同 页 安 2008 年 12 月 29 日 XIAN P.R.CHIMA

29 Dec. 2008

国家绝缘子避雷器质量监督检验中心

CHINA NATIONAL CENTRE FOR QUALITY SUPERVISION AND TEST OF INSULATORS AND SURGE ARRESTERS

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国家绝缘子避雷器质量监督检验中心

检验报告



NO-WB-136(2)-2007









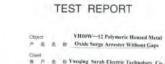


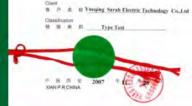
国家绝缘子避雷器质量监督检验中心

检验报告 TEST REPORT

Object VH10W—15 Polymeric Housed Metal

A & W Oxide Surge Arrester Without Gaps Clerk 客户名称Yueqing Sarah Electric Technology Co.,Ltd











检验报告 检验报告 TEST REPORT TEST REPORT

YH10W-24 Polymeric Housed Metal 产品名类 Oxide Surge Arrester Without Gap Clert 本 户 名 珠 Yucqing Sarah Electric Technology Co.,Ltd Client Ynequing Sarah Electric Technology CO.,LTD 第 点 图 Classification 检验类别 Type Test 中 田 田 安 2007 年 XIAN PR CHINA



Jonsson













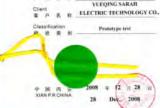


国家绝缘子避雷器质量监督检验中心 CHINA NATIONAL CENTRE FOR QUALITY SUPERVISIO AND TEST OF INSULATORS AND SURGE ARRESTERS

检验报告 TEST REPORT

CS 100 S16 B16-1S0/1000 CS 70 S16 B16-1S0/1000 Composite insulator for Object Composite instance in 产品名数 high-oltage overhead lines

VUEQING SARAH Electric Technology Co., LTD













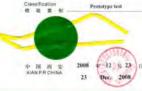




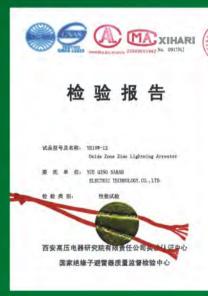
国家绝缘子避雷器质量监督检验中心 CHINA NATIONAL CENTRE FOR QUALITY SUPERVISION AND TEST OF INSULATORS AND SURGE ARRESTERS

检验报告 TEST REPORT

CS 100 S16 B16-550/3200 CS 70 S16 B16-550/3200 Composite insulator for YUEQING SARAH ELECTRIC TECHNOLOGY CO., LTD









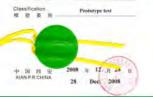








Client 客户 表 新 ELECTRIC TECHNOLOGY CO.. LTD





OUTDOOR ALTERNATING-CURRENT HIGH-VOLTAGE DROP-OUT FUSES VICEOTING SARAH FLECTRIC TECHNOLOGY CO., LTD.



XI'AN HIGH VOLTAGE APPARATUS RESEARCH INSTITUTE HIGH VOLTAGE APPARATUS TESTING LABORATORY









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APPARATUS: \$10-24/100-6 3 OUTDOOR ALTERNATING-CURRENT HIGH-VOLTAGE DROP-OUT PUSES YUEGING SARAH ELECTRIC TECHNOLOGY CO., LTD.

XI'AN HIGH VOLTAGE APPARATUS RESEARCH INSTIT



A

DEST CATEGORY Entrusted Test

nspection Center of Products' Quality of Low Voltage Electrical Apparatus is Zhejiang Province

Jonsson





COMPOSITE INSULATOR 01-11



PORCELAIN INSULATOR 42-47



SURGE ARRESTER 12-22



DISTRIBUTION TRANSFORMER 48-49



SURGE PROTECTIVE DEVICE 23



GUY GRIP & DEAD END GRIP 50-52



FUSE CUTOUT 24-33



EARTH ROD & LUGS 53-54



FUSE LINKS



INSULATION PIERCING CONNECTORS CABLE GLAND 55-57



HIGH VOLTAGE HRC FUSE



PARALLEL-GROOVE CLAMP 58-59



LOW VOLTAGE FUSE



STRAIN & SUSPENSION CLAMP 60-65



DISCONNECTOR SWITCH 37-38



OVERHEAD LINE EQUIPMENT 66-80



POLYESTER RESIN INSULATOR



LIGHTING 81





COMPOSITE INSULATOR

Manufactured By Sarah Electric



Product Introduction

SARAH/JONSSON HV insulators are manufactured from fibreglass rod core, to which the end fittings (socket, ball, clevis etc according to IEC 120 and ANSI C 29.2 standards, in zinc hot dip forged steel) are fixed and later applied to set the insulating covered in silicone rubber, obtaining a high quality insulator: compact, light, with great mechanical and environmental resistance and excellent closing (immune to moisture penetration to the core).

The main advantages with the use of the HV polymeric insulator Balestro, SARAH/JONSSON series are:

- Compact sizes, resulting in lighter insulators than the conventional (it reduces the weight up to 90%), reducing the cost of the structures, the transportation and storage, the handling of installation etc.
- Immunity to vandalism. The compression of the fitting to the fibreglass core gives a high lasting tensile strength without significant changes.
- Excellent environmental performance, mainly in places with a high pollution rate due to the silicone rubber covering performance characteristics. The hydrophobicity gives high superficial resistance and even in rainy conditions, the formation of continuous layers of water, dry channels and arcs in the surface of the insulator are prevented. This reduces the risk of flashover and tracking. Another important property of silicone rubber is its ability to transfer its hydrophobicity to pollution deposits on the surface of the covering, keeping the same in polluted conditions.
- · High resistance to tracking, erosion and also to growth of fungus.
- · High thermal stability, not affected even under high temperature conditions, keeping its electric characteristics.
- Low toxicity.
- · The silicone rubber properties maintain its characteristics for a long time. This does not happen with the other polymeric composite.

Mode and Implication



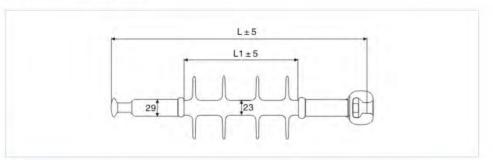


Manufactured By Sarah Electric



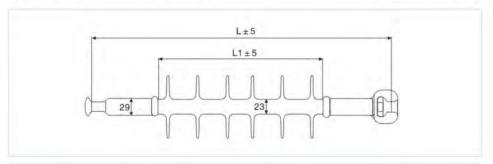






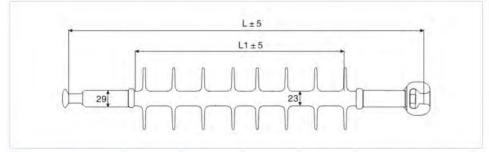
Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI1-12	12–15	70/100	355	169	440	95	45
SJI6-12	12-15	70/100	345	169	440	95	45





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI2-24	24-27	70/100	446	261	690	185	95
SJI5-24	24-27	70/100	436	261	690	185	95





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI3-35	33–38	70/100	538	353	900	230	105
SJI4-35	33-38	70/100	528	353	900	230	105



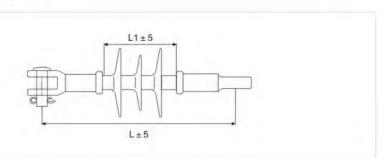
COMPOSITE INSULATOR

Manufactured By Sarah Electric



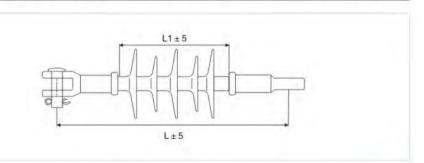
(Long Rod) Suspension Composite Insulator





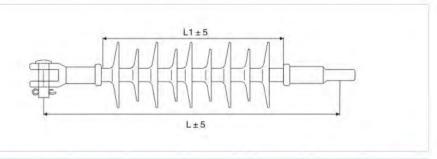
Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI7-12	12-15	70/100/120	345	155	465	95	45
SJI12-12	12-15	70/100/120	355	155	465	95	45





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI8-24	24-28	70/100/120	435	245	755	185	95
SJI11-24	24-28	70/100/120	445	245	755	185	95





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI9-35	33-38	70/100/120	615	425	1300	230	105
SJI10-35	33-38	70/100/120	625	425	1300	230	105

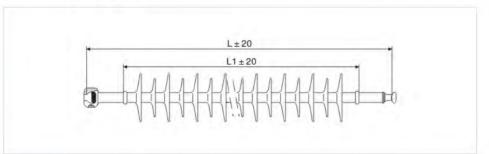


Manufactured By Sarah Electric



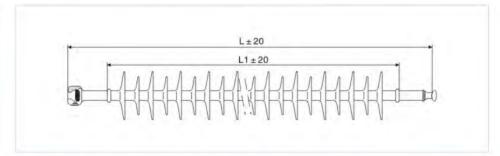
(Long Rod) Suspension Composite Insulator





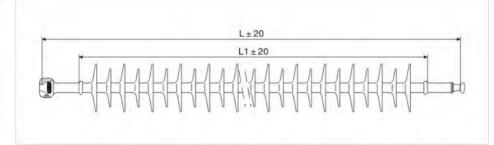
Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI19-66	66-72	100/120/160	900	680	2200	410	185
SJI20-110	110-132	100/120/160	1240	1012	3200	550	230





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI21-145	132-145	100/120/160	1660	1440	4600	600	260
SJI22-220	220-240	120/160/210	2160	1930	6300	1000	395





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI23-330	310-350	120/160/210	2990	2600	8600	1425	570
SJI24-500	500-550	120/160/210	4080	3730	12250	2250	740

Jonsson



COMPOSITE INSULATOR

Manufactured By Sarah Electric

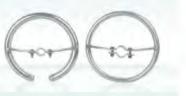


Insulator End Fitting



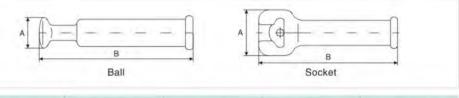






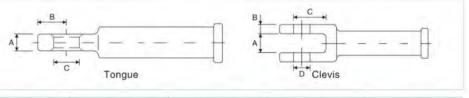
Rated Voltage	Dimen	sions(mm)	Waisht/kg)
THE PARTY OF THE P	D	A	Weight(kg)
220KV	260	Φ44(Φ29)	0.70
330KV	330	Φ44(Φ29)	0.95
500KV	400	Φ44(Φ29)	1.4





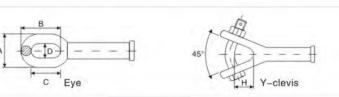
Code	70kN	120kN	160kN	210kN
BALL	Size 16	Size 16	Size 20	Size 20
(B)	IEC 60120	IEC 60120	IEC 60120	IEC 60120
SOCKET	Size 16	Size 16	Size 20	Size 20
(S)	IEC 60120	IEC 60120	IEC 60120	IEC 60120





Code	70kN	120kN	160kN	210kN
TONGUE (T)	A=17 B=20 C=17.5	A=16 B=27 C=24	A=16 B=27 C=24	A=22 B=26 C=24
CLEVIS (C)	A=18,B=8 C=34.8,D=17.5	A=23,B=11.5 C=38,D=20	A=23,B=11.5 C=38,D=20	A=26,B=15 C=43,D=22





Code	70kN	120kN	160kN	210kN	
EYE (E)	A=44,B=45 C=31,D=20	A=62,B=70 C=52,D=26	A=62,B=70 C=52,D=26	A=70,B=74 C=52,D=26	
Y-CLEVIS (Y)	H=40	H=40	H=40	H=40	

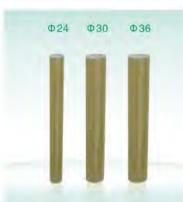


Manufactured By Sarah Electric



Insulator Rod









E-Glass Rod (Vacuum Pull-Extruded Resin Reinforced Fiber Glass Rod)

No	Parameter	Unit	Specification		
1.	(20 ± 2°C) Density At (20 ± 2°C)	g/cm3	≥2.0		
2	$(20 \pm 2^{\circ}C,24h)$ Water Absorbtion Rate At $(20 \pm 2^{\circ}C,24h)$	%	≤0.05		
3	Tensile Strength	Мра	≥1690		
4	Bending Strength	Mpa ≥			
5	Dry Penetration Test	Min	≥50		
6	Water Difussion Test (1%Nacl,Boiling For 100h 12kv/1 Min)	μА	< 10		
7	Shearing Strength Along Laminals	Мра	≥50		
8	Volume Resistivity(140℃,96h)	Ω • Μ	≥1010		
9	DC Withstand Voltage(10 Mins)	KV	≥50		
10	Lightning Surge Withstand Voltage(100kV,10mm)	Times	≥5		
11	Bending Strength At Heating Conditions	Mpa/150℃	≥350		
12	Stress Corrosion(1Mol/1HN3,at 67% Stress)	h	≥7200h		
13	Torsion Strength	Мра	≥800		
14	Dimension		Ф18, Ф24, Ф3 Ф53, Ф63, Ф6		

ECR Rod (Vacuum Pull-Extruded Thermo-Resistant Acid-Resistant Glass Rod)

No	Parameter	Unit	Specification	
1	(20 ± 2°C) Density At (20 ± 2°C)	g/cm3	≥2.0	
2	$(20 \pm 2^{\circ}C,24h)$ Water Absorbtion Rate At $(20 \pm 2^{\circ}C,24h)$	%	≤0.05	
3	Tensile Strength	Мра	≥1690	
4	Bending Strength	Мра	≥1100	
5	Dry Penetration Test	Min	≥50	
6	Water Difussion Test (1%Nacl,Boiling For 100h 12kv/1 Min)	μА	< 10	
7	Shearing Strength Along Laminals	Мра	≥50	
8	Volume Resistivity(140℃,96h)	Ω • Μ	≥1010	
9	DC Withstand Voltage(10 Mins)	KV	≥50	
10	Lightning Surge Withstand Voltage(100kV,10mm)	Times	≥5	
11	Bending Strength At Heating Conditions	Mpa/150℃	≥350	
12	Stress Corrosion(1Mol/1HN3,at 67% Stress)	h	≥7200h	
13	Torsion Strength	Мра	≥800	
14	Dimension	Ф16, Ф17, Ф18, Ф24, Ф Ф36, Ф38, Ф53, Ф63, Ф Ф80, Ф90		





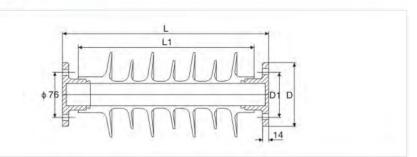
COMPOSITE INSULATOR

Manufactured By Sarah Electric



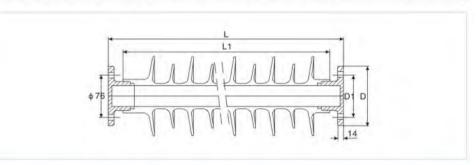
Vertical Line Post Composite Insulator





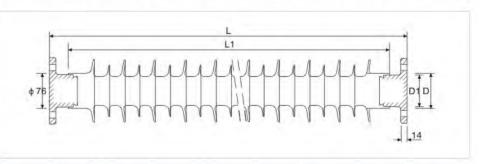
Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Flan	-	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
					D	D1		A. S. P. A. C. C.	
SJI25-12	10-15	8/10/12.5	205	125	360	100	76	75	42
SJI26-24	24-27	8/10/12.5	340	250	850	100	76	150	65





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	nce Plate(mm) Impulse		Power Frequence Withstand (Wet)(kV)	
				D	D1		3		
SJI27-36	35-38	8/10/12.5	415	370	1050	100	76	185	95
SJI28-66	66-72	8/10/12.5	795	620	2500	160	127	410	185





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)		nges (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
					D	D1			
SJI29-110	110-145	8/10/12.5	1200	1020	2800	160	127	500	230
SJI30-220	220-240	8/10	2400	2040	7600	160	127	1000	395



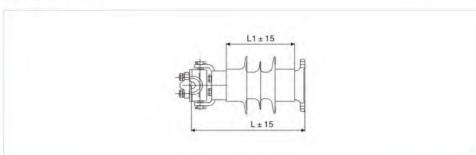
Manufactured By Sarah Electric





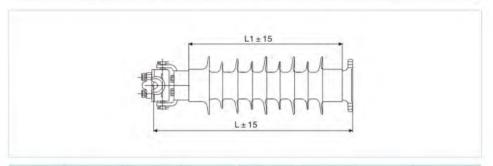
Vertical Line Post Composite Insulator





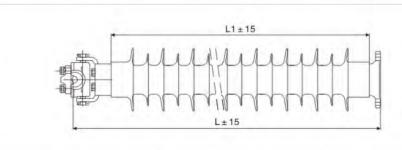
Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI59-12	10-15	12.5	283	148	355	75	42
SJI60-24	24-27	8/12	435	300	850	150	65





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI61-35	35-38	6/8/12	505	369	1050	185	95
SJI62-66	66-72	6/8/12	845	710	1720	410	185





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI63-132	110-145	6/8/12	1345	1210	3210	600	300
SJI64-230	220-245	3	2500	2310	6200	1000	395

Jonsson



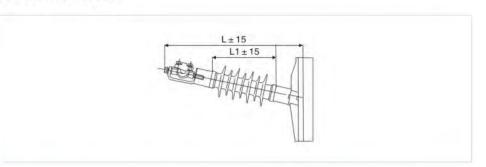
COMPOSITE INSULATOR

Manufactured By Sarah Electric



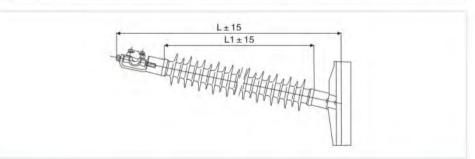
Horizontal Line Post Composite Insulator





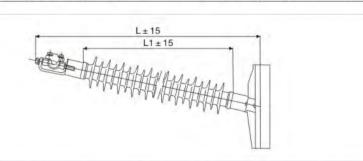
Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI43-12	10-15	12.5	380	148	355	75	42
SJI44-24	24-27	8/12	485	300	850	150	65





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI45-35	35-38	6/8/12	555	369	1050	185	95
SJI46-66	66-72	6/8/12	960	650	1800	410	165





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length L(mm)	Min Arc Distance L1(mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI47-132	110-145	6/8/12	1450	1210	3210	600	300
SJI48-230	220-245	3/6/8	2525	2285	6200	1260	650

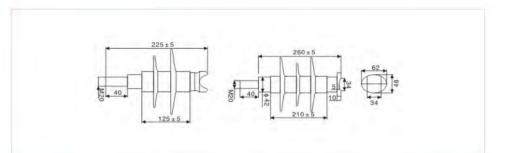


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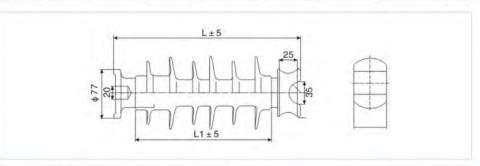
Pin Composite Insulator





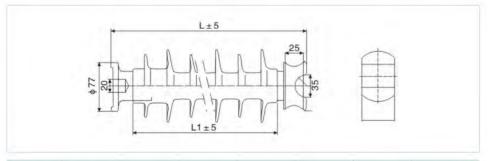
Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length (mm)	Min Arc Distance (mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI31-12	12	8	225	125	305	75	42
SJI32-12	12	8	260	210	400	105	42





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length (mm)	Min Arc Distance (mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI33-15	15	5	300	218	500	105	42
SJI34-24	24	12.5	325	218	550	150	95





Catalogue No	Rated Voltage (kV)	Specified Mechanical Load(kN)	Section Length (mm)	Min Arc Distance (mm)	Leakage Distance (mm)	Lightning Impulse Withstand BIL(kV)	Power Frequence Withstand (Wet)(kV)
SJI35-36	36	10	370	288	740	185	110
SJI36-36	36	10	440	370	1050	185	110



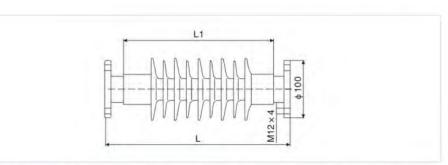
COMPOSITE INSULATOR

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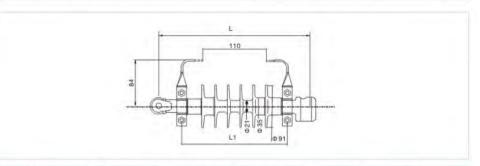
Standoff Insulator





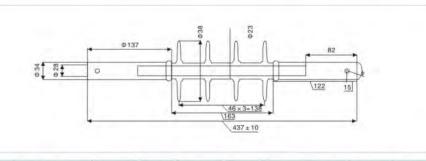
Model No	Bending Withstand Load(kN)	Minimum Norminal Creepage Distance	Section Length (mm)	Min Arc Distance (mm)	Power Frequency Voltage (Wet) (kV)	Lightning Impulse Withstand Voltage (kV)
		(mm)	L	L1	(1100) (111)	
SJI60-15kV	6	465	215	177	42	75
SJI54-24kV	6	795	305	245	65	125





Model No	Bending Withstand Load(kN)	Minimum Norminal Creepage Distance	Section Length (mm)	Min Arc Distance (mm)	Power Frequency Voltage (Wet) (kV)	Lightning Impulse Withstand Voltage
		(mm)	L	L1	(1101) (111)	(kV)
SJI53-24kV	70	540	310	216	65	125
SJI59-36kV	70	900	570	353	95	180





Model NO.	Rod Dia (mm)	Nominal System Voltage (kV)	Creepage Distance (mm)	Dry Lightning Impulse Withstand Voltage (kV)	Wet Power Frequency Withstand Voltage (kV)	Torsion (kNm)	Tensile Strength (kN)	Impulse Flashover Voltage (kV)	Flashover Distance (mm)	Radio Interference At 1KHz
SJI 56-24kV	17	24	-	-	-	0.5	70	T-5	190	< 1 uV
SJI 58-24kV	17	24	420	90	70	0.5	4	145	190	at 10kV



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Application

The ZnO rrester is mainly used to protect distribution transformers, cable connectors and electrical equipment from being damaged by lightning, impulse voltage and operating over-voltage.

Normal service conditions

Ambient air temperature of -40℃ to +40℃.

Altitude above sea level 1000-2000m (the altitude should be indicated when ordered).

AC system frequency 50Hz or 60Hz.

The power frequency voltage of the arrester does not exceed arrester's continuous operating voltage.

Maximum wind speed does not exceed 35m/s.

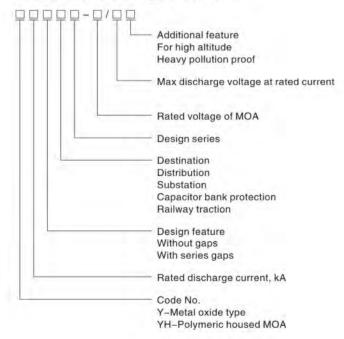
The earthquake intensity does not exceed 7 degrees.

The pollution levels should be indicated.

Technical performance

The technical performance of the product conforms to GB 11032-2000,IEC60099-4, EC37-199/CDV,standard technical requirements.

Designation Of Type Letters



- 注: 1、Metric systems used for dimensions.
- Conversion metric system and British system.
- 1 in=2.5400cm 1ft=0.3048m 1yd=0.9144m





SURGE ARRESTER

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Surge Arrester Polymer Type



				Curren	nt Impulse Residu	al Voltage		
Model No.	Rated Voltage	Rated Current	ent	1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse kV(crest)	Long Impulse Withstand Current 2000 us	4/10 µ s High Current Impulse Withstand
		/(rms) kA(rms)		kV(crest)	kV(crest)		kA(crest)	kA(crest)
JYH5W-3	3	5kA	2.55	11.3	9	8.9	150	65
JYH10W-3	3	10kA	2.55	11.3	9	8.9	250	100



			MCOV	Currer	nt Impulse Residua	al Voltage		
Model No.	Rated Voltage	Rated Current		1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Withstand Current Imp	4/10 µ s High Current Impulse Withstand
	kV(rms)	kA(rms)	kV(rms)	kV(crest)	kV(crest)	kV(crest)	kA(crest)	kA(crest)
JYH5W-6	6	5kA	5.1	22.6	18	16.8	150	65
JYH10W-6	6	10kA	5.1	22.6	18	16.8	250	100



			ı	Currer	nt Impulse Residu	al Voltage		
Model No.	Rated Voltage	Rated Current		1/4 µ s Steep Current Impulse kV(crest)	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Withstand Current Ir Current Withst 2000 us	4/10 µ s High Current Impulse Withstand
		(rms) kA(rms)			kV(crest)	kV(crest)		kA(crest)
JYH5W-9	9	5kA	7.65	33.7	27	23.8	150	65
JYH10W-9	9	10kA	7.65	33.7	27	23.8	250	100



				Currer	nt Impulse Residu	al Voltage		
Model No.	Rated Voltage	Rated Current	MCOV	1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Long Impulse Withstand Current 2000 us	4/10 µ s High Current Impulse Withstand
	kV(rms)	kA(rms)	kV(rms)	kV(crest)	kV(crest)	kV(crest)	kA(crest)	kA(crest)
JYH5W-12	12	5kA	10.2	42.2	36	27	150	65
JYH10W-12	12	10kA	10.2	42.2	36	27	250	100



Manufactured By Sarah Electric



Surge Arrester Polymer Type



				Currer	nt Impulse Residu	al Voltage		
Model No.	Rated Voltage kV(rms)	Rated Current	MCOV	1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Long Impulse Withstand Current 2000 us	4/10 µ s High Current Impulse Withstand
		(rms) kA(rms)	kV(rms)	kV(crest)	kV(crest) kV(crest)	kV(crest)	kA(crest)	kA(crest)
JYH5W-15	15	5kA	12.7	51	45	38.5	150	65
JYH10W-15	15	10kA	12.7	51	45	38.5	250	100



				Currer	nt Impulse Residu	al Voltage			
Model No.	Rated Voltage	Rated Current	MCOV	1/4 u s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Long Impulse Withstand Current 2000 us	4/10 µ s High Current Impulse Withstand	
	kV(rms)	kA(rms)	kV(rms)	kV(crest)	kV(crest)	kV(crest)	kA(crest)	kA(crest)	
JYH5W-18	18	5kA	15.3	61.5	54	46.2	150	65	
JYH10W-18	18	10kA	15.3	61.5	54	46.2	250	100	



				Currer	nt Impulse Residu	al Voltage		
Model No.	Rated Voltage	Rated Current	MCOV	1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Long Impulse Withstand Current 2000 us	4/10 µ s High Current Impulse Withstand
	kV(rms)	kA(rms)	kV(rms)	kV(crest)	kV(crest)	kV(crest)	kA(crest)	kA(crest)
JYH5W-21	21	5kA	17.0	71.8	63	54.2	150	65
JYH10W-21	21	10kA	17.0	71.8	63	54.2	250	100



				Currer	nt Impulse Residu	al Voltage		
Model No.	Rated Voltage	Rated Current	MCOV	1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Long Impulse Withstand Current 2000 us	4/10 µ s High Current Impulse Withstand
	kV(rms)	kA(rms)	kV(rms)	kV(crest)	kV(crest)	kV(crest)	kA(crest)	kA(crest)
JYH5W-24	24	5kA	19.5	82	72	62	150	65
JYH10W-24	24	10kA	19.5	82	72	62	250	100



SURGE ARRESTER

Manufactured By Sarah Electric



Surge Arrester Polymer Type



				Currer	nt Impulse Residu	al Voltage		4/10 µ s High Current Impulse Withstand
Model No.	Rated Voltage	Rated Current	MCOV	1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Long Impulse Withstand Current 2000 us	
	kV(rms)	kA(rms)	kV(rms)	kV(crest)	kV(crest)	kV(crest)	kA(crest)	kA(crest)
JYH5W-27	27	5kA	22.0	92	81	69.8	150	65
JYH10W-27	27	10kA	22.0	92	81	69.8	250	100



		Rated Current kA(rms)		Currer	nt Impulse Residu	al Voltage		
Model No.	Rated Voltage		MCOV	1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Long Impulse Withstand Current 2000 us	4/10 µ s High Current Impulse Withstand kA(crest)
	kV(rms)		kV(rms)	kV(crest)	kV(crest)	kV(crest)	kA(crest)	
JYH5W-30	30	5kA	24.4	102	90	79	150	65
JYH10W-30	30	10kA	24.4	102	90	79	250	100



				Currer	nt Impulse Residu	al Voltage		
Model No.	Rated Voltage	Rated Current	MCOV	1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Long Impulse Withstand Current 2000 us	4/10 µ s High Current Impulse Withstand
	kV(rms)	kA(rms)	kV(rms)	kV(crest)	kV(crest)	kV(crest)	kA(crest)	kA(crest)
JYH5W-33	33	5kA	27.5	112	99	86.7	150	65
JYH10W-33	33	10kA	27.5	112	99	86.7	250	100



				Currer	nt Impulse Residu	al Voltage		
Model No.	Rated Voltage	Rated Current	MCOV	1/4 µ s Steep Current Impulse	8/20 µ s Lightning Current impulse	30/60 µ s Switching Current Impulse	Long Impulse Withstand Current 2000 us	4/10 μ s High Current Impuls Withstand
	kV(rms)	kA(rms)	kV(rms)	kV(crest)	kV(crest)	kV(crest)	kA(crest)	kA(crest)
JYH5W-36	36	5kA	29.0	117	103	92.4	150	65
JYH10W-36	36	10kA	29.0	117	103	92.4	250	100



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Surge Arrester Polymer Type







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SURGE ARRESTER

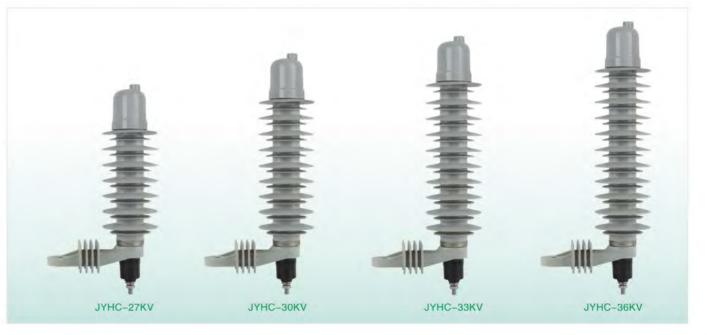
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Surge Arrester With Cap Polymer Type









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Surge Arrester With Cap Polymer Type







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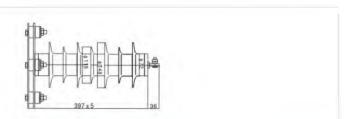
SURGE ARRESTER

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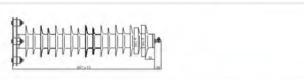
Surge Arrester Substation Type





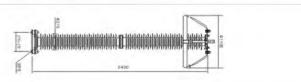
Model No.	Rated Voltage kV(ms)	System Voltage kV(rms)	MCOV kV(rms)	1mA Reference Voltage At 1mA Dc kV(rms)	Switching Current Impulse Residual Voltage kV(crest)	Current Impulse Residual Voltage kV(crest)	Steep Current Impulse Residual Voltage kV(crest)	2ms Long Impulse Withstand Current 2000us A(crest)	mm Leakage Distance (mm)
JY10ZW-12	12	10	9.6	17.4	27.6	32.4	37.2	400	335
JY10ZW-24	31	24	19.2	31	45	67	74.4	400	670





Model No.	Rated	Nominal	MCOV	1mA	Switching	Nominal	Steep	2ms Long	mm
	Voltage	System	kV(rms)	Reference	Current	Current	Current	Impulse	Leakage
	kV(ms)	Voltage		Voltage At	Impulse	Impulse	Impulse	Withstand	Distance
		kV(rms)		1mA Dc	Residual	Residual	Residual	Current	(mm)
				kV(rms)	Voltage	Voltage	Voltage	2000us	
					kV(crest)	kV(crest)	kV(crest)	A(crest)	
JY10ZW-42/126	42	35	30	73	107	126	145	400	1250
JY10ZW-51/134	51	35	40.8	73	114	134	154	400	1250
JY10ZW-75/230	75	66	60	127	196	230	265	600	2370
JY10ZW-90/224	90	66	72.5	130	190	224	258	600	2370





Model No.	Voltage kV(ms)	System Voltage kV(rms)	MCOV kV(rms)	1mA Reference Voltage At 1mA Do kV(rms)	Switching Current Impulse Residual Voltage kV(crest)	Current Impulse Residual Voltage kV(crest)	Steep Current Impulse Residual Voltage kV(crest)	2ms Long Impulse Withstand Current 2000us A(crest)	mm Leakage Distance (mm)
JY10ZW-96/238	96	110	75	140	207	238	262	800	2750
JY10ZW-100/248	100	110	78	145	216	248	273	800	2750
JY10ZW-192/476	192	220	150	280	414	476	524	800	5500
JY10ZW-192/500	192	220	150	280	426	500	560	600	5500





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Surge Arrester Porcelain Type





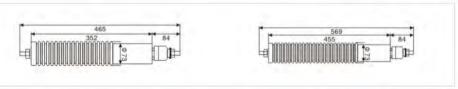
Model No.	Rated Voltage kV(ms)	MCOV kV(ms)	Power Frequency Discharge Voltage ≥ kV(crest)	1.2/50 µ s Impulse Discharge Voltage ≤ kV(crest)	8/20 µ s Lightning Impulse Residual Voltage ≤ A(crest)	With	mpulse stand rrent 10 us	4/10 µ s High Current Impulsi Withstand	
			n v (creat)	K V (G/GGL)	A(Great)	5kA	10kA		
JY10C-6	6	5.1	11	18	18	100	200	65	
JY10C-9	9	7.65	16	27	27	100	200	65	





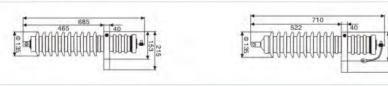
Model No.	Rated Voltage kV(ms)	MCOV kV(ms)	Power Frequency Discharge Voltage ≥ kV(crest)	1.2/50 µ s Impulse Discharge Voltage ≤ kV(crest)	8/20 µ s Lightning Impulse Residual Voltage ≤ A(crest)	Long Impulse Withstand Current 2000 us 4/10 µ s High Current Impulse Withstand		
			33,03,030		1,45-24	5kA	10kA	
JY10C-12	12	10.2	22	36	36	100	200	65
JY10C-15	15	12.7	26	45	45	100	200	65





Model No.	Rated Voltage kV(ms)	MCOV kV(ms)	Power Frequency Discharge Voltage ≥ kV(crest)	1.2/50 µ s Impulse Discharge Voltage ≤ kV(crest)	8/20 µ s Lightning Impulse Residual Voltage≲ A(crest)	With	mpulse stand rrent 0 us	4/10 µ s High Current Impulse Withstand
			KV(Crest)	KV(CIEST)	A(creat)	5kA	10kA	
JY10C-18	18	15.3	33	54	54	100	200	65
JY10C-24	24	19.5	40	72	72	100	200	65





Model No.	Rated Voltage kV(ms)	MCOV kV(ms)	Power Frequency Discharge Voltage ≥ kV(crest)	1.2/50 µ s Impulse Discharge Voltage≤ kV(crest)	8/20 µ s Lightning Impulse Residual Voltage ≤ A(crest)	With	mpulse stand rrent 0 us	4/10 µ s High Current Impulse Withstand
			KV (Clast)	K V (CI CSL)	A(Glost)	5kA	10kA	
JY10C-33	33	27.5	56	99	99	100	200	65
JY10C-36	36	29.0	61	108	108	100	200	65

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SURGE ARRESTER

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Low Voltage Surge Arrester & Accessories

YC1.5W-0.28/1.3 YC1.5W-0.5/2.6



Low Voltage Surge Arrester Porcelain type

Destination	Code No.	System Voltage kV (r,m,s)	Rated Voltage kV (r,m,s)	MCOV kV (r,m,s)	8/20 µ s Lighting Current Impulse kV(crest)	Reference Voltage At 1mA DC kV	Long Impulse Withstand Current 2000 µ s A(crest)	4/10 µ s High Current Impulse Withstand kV(crest)
Low	YC1.5W-0.28/1.3	0.22	0.28	0.24	1.3	0.6	50	10
Voltage	YC1.5W-0.5/2.6	0.38	0.5	0.42	2.6	1.2	50	10





Low Voltage Surge Arrester Polymer type

Destination	Code No.	System Voltage kV (r,m,s)	Rated Voltage kV (r,m,s)	MCOV kV (r,m,s)	8/20 µ s Lighting Current Impulse kV(crest)	Reference Voltage At 1mA DC kV	Long Impulse Withstand Current 2000 µ s A(crest)	4/10 µ s High Current Impulse Withstand kV(crest)
Low	YH1.5W-0.28/1.3	0.22	0.28	0.24	1.3	0.6	50	10
Voltage	YH1.5W-0.5/2.6	0.38	0.5	0.42	2.6	1.2	50	10





Surge Arrester Disconnector

Operation Current	Po	ower Freque (A)	ncy	2000 µ s Square Wave Impulse Withstand Curent(A)	4/10 µ s High Withstand Current(kA)
	20	200	800	600	100
Operation Time	< 0.5	< 0.04	< 0.02	80	∞





Surge Arrester Discharge Counter

Model No.	Rated Voltage(kV)	Nominal Discharge Current (kA)	Operation Current Range	Current Impulse Residual Voltage (kV)	Long Impulse Withstand Current 2ms (A)	4/10 High Current Impulse Withstand(kA
JS-8	3-66	5	50-5000	<1	400-800	65–100
JCQ	3-220	10	50-5000	<1	600-800	100



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Zinc Oxide Varister Block



Model No.	Dimensio	on(mm)	Nominal Standard	Rated Voltage	MCOV (kV)	8/20 µ s Lightning Impulse	2000/μs Square	4/10 μ s High
	Diameter	Height	Discharge Current (kA)	(kV)	(kV) Residual Voltage (kV)	Impulse Current Withstand (A)	Current Impulse (kA)	
D30	Ф30 ± 0.2	24 ± 0.5	5	3-3.4	2.55	9.1	100	65
D32	Φ32 ± 0.2	24 ± 0.5	5	3-3.4	2.55	9.3	100	65



Model No.	Dimensio	on(mm)	Nominal Standard	Rated Voltage	MCOV (kV)	8/20 µ s Lightning	2000/ µ s Square	4/10 μ s High
	Diameter	Height	Discharge Current (kA)	(kV)	****	Impulse Residual Voltage (kV)	Impulse Current Withstand (A)	Current Impulse (kA)
D35	Φ35 ± 0.2	24 ± 0.5	5	3-3.4	2.55	9.1	100	65
D38	Φ38 ± 0.2	24 ± 0.5	10	3-3.4	2.55	9.3	200	65



Model No.	Dimensio	on(mm)	Nominal Standard	Rated Voltage	MCOV (kV)	8/20 µ s Lightning Impulse	2000/μs Square	4/10 µ s High Current Impulse (kA)
	Diameter	Height	Discharge Current (kA)	narge (kV) rent		Residual Voltage (kV)	Impulse Current Withstand (A)	
D40	Φ40 ± 0.2	24 ± 0.5	10	3-3.4	2.55	9.1	250	100
D42	Φ42±0.2	24 ± 0.5	10	3-3.4	2.55	9.2	250	100



Model No.	Dimensio	on(mm)	Nominal Standard	Rated Voltage	MCOV (kV)	8/20 µ s Lightning	2000/μs Square	4/10 µ s High
	Diameter	Height	Discharge Current (kA)	arge (kV) Residual	Impulse Current Withstand (A)	Current Impulse (kA)		
D48	Φ48 ± 0.2	24 ± 0.5	10	3-3.4	2.55	9.0	400	100
D53	Φ53±0.2	24 ± 0.5	10	3-3.4	2.55	8.9	400	100



Model No.		on(mm)	Nominal Standard	Rated Voltage	MCOV (kV)	8/20 µ s Lightning	2000/ µ s Square	4/10 µ s High
	Diameter	Height	Discharge Current (kA)	(kV)	V 7	Impulse Residual Voltage (kV)	Impulse Current Withstand (A)	Current Impulse (kA)
D60	Φ60±0.2	24 ± 0.5	20	3-3.4	2.55	9.1	600	100
D70	Φ70±0.2	24 ± 0.5	20	3-3.4	2.55	9.2	800	100

Jonsson



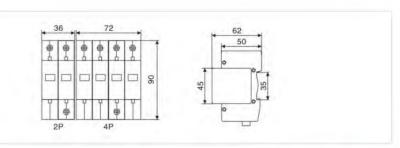
SURGE PROTECTIVE DEVICE

Manufactured By Sarah Electric



Surge Protective Device (SPD)

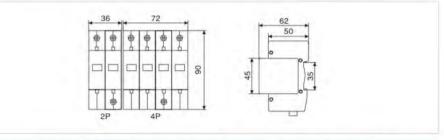




Model No.	Rated Voltage Uo(V-)	Continuous Working Voltage Uc(V~)	Protection Level Up(kV)	Standard Discharge Current (8/20 µ s) In(kA)	Max Current Capacity Imax (8/20 µ s) In(kA)	Response Time (nS)	Working Environment ℃	Relative Humidity
CN1-B30/2P	230/420	300	1.2	5	10	25	-40~+85	≤95%(25°C)
CN1-B30/3P	230/420	345	1.5	10	20	25	-40~+85	≤95%(25°C

Poles: 1, 1+1, 2, 2+1, 3, 3+1, 4

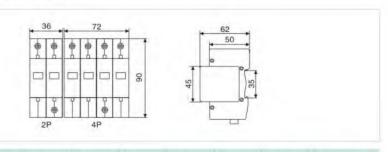




Model No.	Rated Voltage Uo(V-)	Continuous Working Voltage Uc(V~)	Protection Level Up(kV)	Standard Discharge Current (8/20 µ s) In(kA)	Max Current Capacity Imax (8/20 μ s) In(kA)	Response Time (nS)	Working Environment ℃	Relative Humidity
CN1-C20/2P	230/420	385	1.8	15	30	25	-40~+85	≤95%(25°C)
CN1-C20/3P	230/420	385	1.8	20	40	25	-40~+85	≤95%(25°C

Poles: 1, 1+1, 2, 2+1, 3, 3+1, 4





Model No.	Rated Voltage Uo(V-)	Continuous Working Voltage Uc(V~)	Protection Level Up(kV)	Standard Discharge Current (8/20 µ s) In(kA)	Max Current Capacity Imax (8/20 µ s) In(kA)	Response Time (nS)	Working Environment	Relative Humidity
CN1-D10/2P	230/420	420	2.5	30	60	25	-40~+85	≤95%(25°C)
CN1-D10/3P	230/420	420	3.0	40	80	25	-40~+85	≤95%(25°C)

Poles: 1, 1+1, 2, 2+1, 3, 3+1, 4

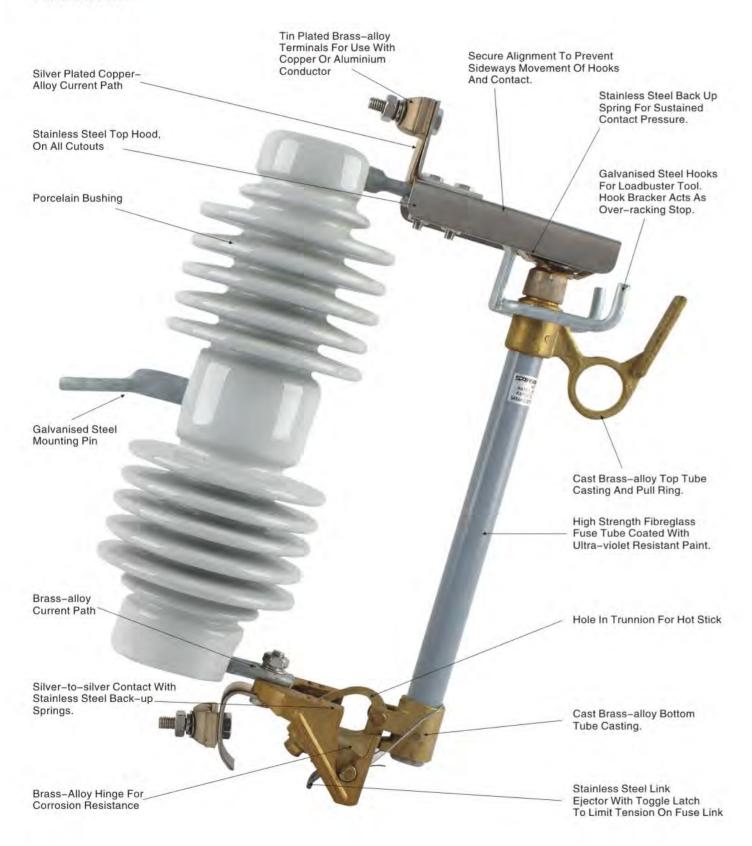


FUSE CUTOUT

Manufactured By Sarah Electric



Fuse Cutout





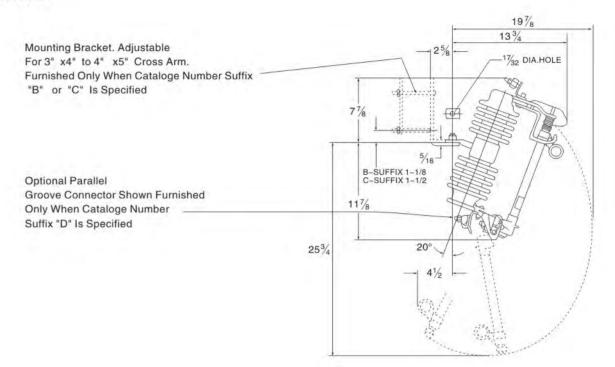


FUSE CUTOUT

Manufactured By Sarah Electric



Fuse Cutout

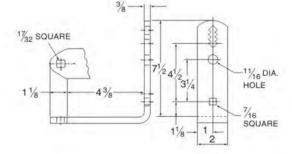


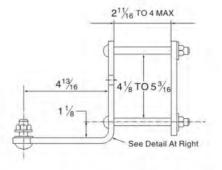
Notes:

*Add Connector Suffix Per Table 1.

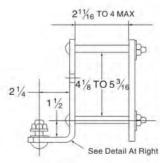
*Dimension Shown Is For 'C' Suffix
(NEMA 'B' Bracket.) Dimension Is 53/16 For

'B' Suffix Fuerte Extended Bracket. 'D' Suffix Only.





Extended Mounting Bracket-Adjustable for"x"to4"x5 Crossarm



At Right

 $\frac{3}{8}$ $7\frac{3}{4}$ $\frac{11}{32}$ SQUARE $\frac{3}{4}$ $\frac{11}{12}$ $\frac{7}{34}$ $\frac{11}{16}$ DIA:HOLE $\frac{7}{16}$ SQUARE $\frac{11}{2}$

NEMA Type B Mounting Braket-Adjustable for 3"x4"to4"x5" Crossarm