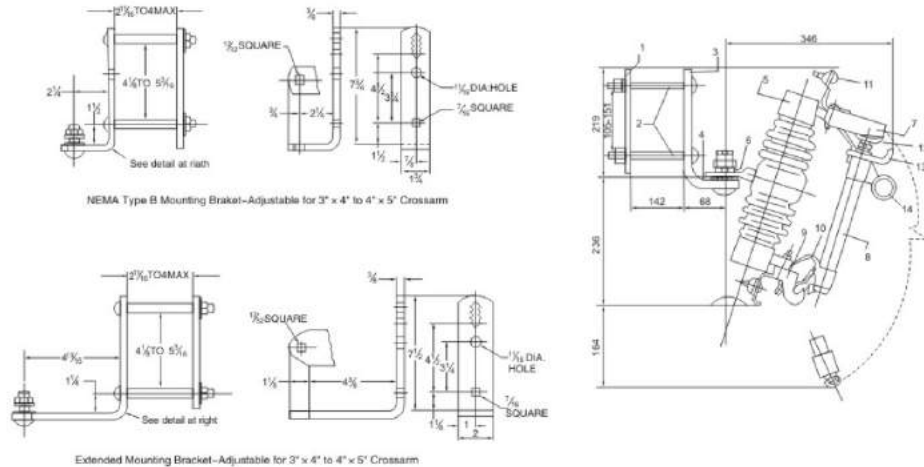


Drop out fuse cutouts and load switching fuse cutouts are for outdoor used high voltage protective device. To be connected with in coming feeder of distributing transformer or distribution lines it mainly protect transformer or lines from short circuit and overload, and on/off loading current.

Drop out fuse cutout is composed of insulator supports and fuse tube, static contacts is fixed on two sides of insulator support and moving contact is installed on two ends of fuse tube. Fuse tube is composed of inside arc-extinguishing tube, outer phenolic compound paper tube or epoxy glass tube.

Load switch fuse cutout provides enforced elastic auxiliary contacts and arc-extinguishing enclosure for switching on/off loading current.

At normally working via fuse link tightened the tube is fixed to form up of close position. In case system current faults, fault current result in fuse melt immediately and take place electric arc, which let arc-extinguishing tube being heated and explode a lot of gas. This will produce high pressure and blow off the arc along the tube. After fuse link melt, moving contact has no lightened strength again, mechanism is locked and fuse tube drop out. Cutout now is in open position. When it needs to switch off during cutout loading, operator shall via insulating operating bar pull the moving contact, at its beginning main contact and auxiliary static contact is contacted still. Whiling pulling the auxiliary contact is separated between auxiliary contacts there occur electric arc and the arc will be lengthened in arc-extinguishing enclosure gap and meanwhile arc-extinguishing explode gas to blow off the arc during current passing zero.



Parallel-groove connector

Tinplated cast copper, for ease of conductor connecting accommodates two conductors of unlike size in a single connector. Other styles of connectors are also available.

One-piece channel (hood)

Heavy galvanized steel (which is also used for inserts, hangers, and structural bolts and nuts)

Insulator

Higher insulation characteristics than ANSI distribution-cutout standards.

Upper contacts

Silver-to-silver; stainless steel spring provides high contact pressure.

Trunnion

High-strength cast bronze, silver plated. Surfaces around trunnion bear on broad hinge surfaces to keep tube in alignment during closing.

Rugged attachment hooks

For load buster guide tube during closing.

Lower contacts

Silver-to-silver; provide dual current path, independent of hinge pivot. Stainless-steel backup springs prevent arcing when tube rises in hinge during recoil.

Fuse tube

Fiber-lined epoxy fiber glass

Sturdy ferrules

Pinned to top and bottom of tube for permanent alignment, large, accessible lifting ring.

Toggle joint

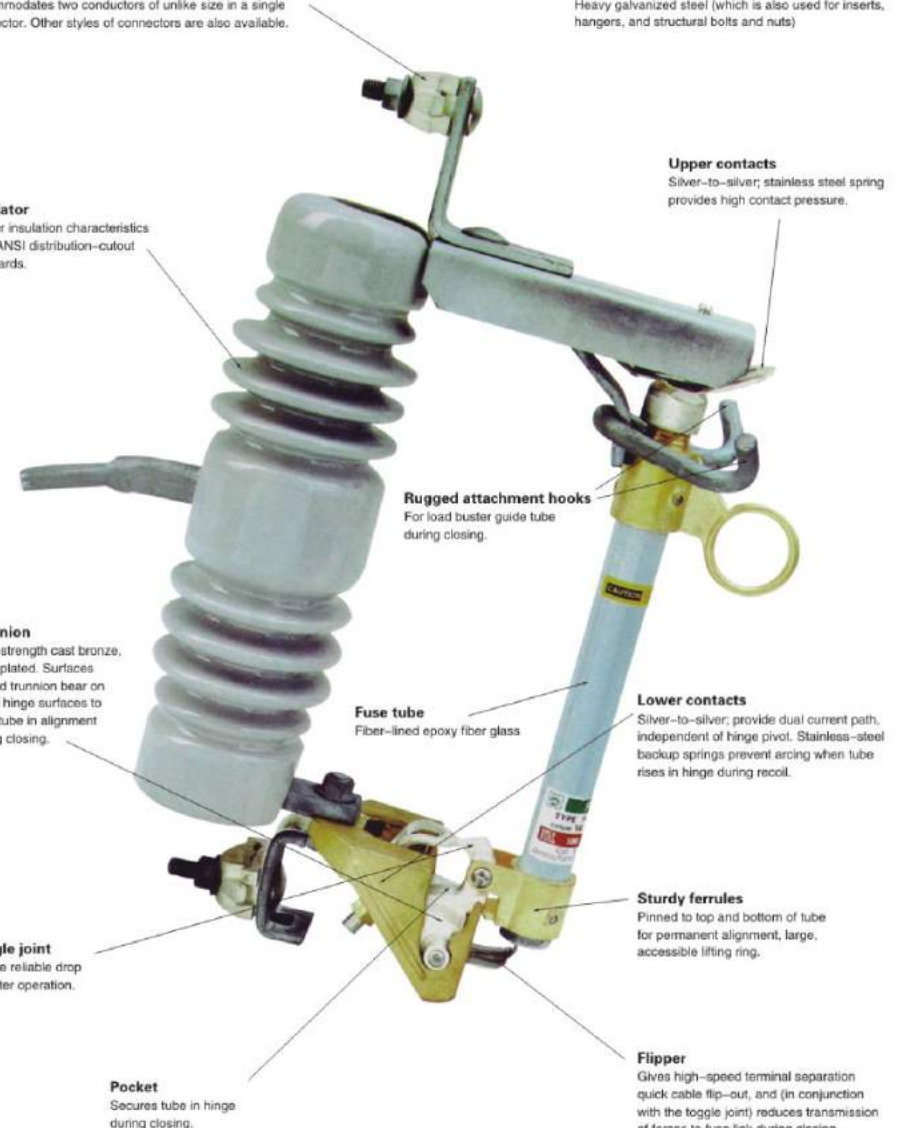
Assure reliable drop out after operation.

Pocket

Secures tube in hinge during closing.

Flipper

Gives high-speed terminal separation quick cable flip-out, and (in conjunction with the toggle joint) reduces transmission of forces to fuse link during closing.





10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-1	15	100	10000	110	40	220	7.3	38.5 x 34.5 x 10.5
FSC-1	15	200	12000	110	40	220	7.3	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-4	15	100	8000	110	40	340	7.5	42 x 33 x 11.5
FSC-4	15	200	10000	110	40	340	7.5	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-2	15	100	10000	110	40	220	7.5	40 x 34.5 x 10.5
FSC-2	15	200	12000	110	40	220	7.5	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-5	15	100	8000	110	40	350	3.5	42 x 35 x 10
FSC-5	15	200	10000	110	40	350	3.5	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-3	15	100	10000	110	40	220	7.3	38.5 x 34.5 x 10.5
FSC-3	15	200	12000	110	40	220	7.3	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-6	15	100	8000	110	40	350	3.8	45 x 35 x 12
FSC-6	15	200	10000	110	40	350	3.8	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-7	11	100	6000	110	42	340	8	49 x 27 x 11.5
FSC-7	11	200	8000	110	42	340	8	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-10	15	100	10000	110	45	380	3.5	48.5 x 35 x 10.5
FSC-10	15	200	12000	110	45	380	3.5	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-8	11	100	6000	110	45	530	16.2	62 x 56 x 13.5
FSC-8	11	200	8000	110	45	530	16.2	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-11	15	100	10000	110	40	260	8.5	48.5 x 44 x 13.5
FSC-11	15	200	12000	110	40	260	8.5	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-9	15	100	10000	110	40	300	7.5	39 x 34.5 x 10.5
FSC-9	15	200	12000	110	40	300	7.5	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-12	15	100	10000	125	45	320	8.5	48.5 x 35 x 10.5
FSC-12	15	200	12000	125	45	350	8.5	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-13	15	100	10000	125	45	320	8.8	51.5 x 34 x 12
FSC-13	15	200	12000	125	45	320	8.8	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-16	15	100	10000	125	45	320	12	50 x 36 x 13
FSC-16	15	200	12000	125	45	320	12	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-14	15	100	10000	125	45	320	8.5	47 x 33.5 x 10
FSC-14	15	200	12000	125	45	320	8.5	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-17	15	100	10000	125	45	320	8.5	48 x 35 x 10.5
FSC-17	15	200	12000	125	45	320	8.5	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-15	15	100	10000	125	45	320	8.5	48 x 35 x 10.5
FSC-15	15	200	12000	125	45	320	8.5	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-18	24	100	8000	150	65	530	12	50.5 x 36 x 17
FSC-18	24	200	10000	150	65	530	12	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-19	24	100	6000	150	65	530	12	49 x 37 x 17
FSC-19	24	200	10000	150	65	530	12	



33KV-36KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-22	36	100	6000	170	70	720	15.5	66 x 37 x 17
FSC-22	36	200	8000	170	70	720	15.5	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-20	27	100	6000	150	65	470	13	56 x 38 x 10.5
FSC-20	27	200	10000	150	65	470	13	



33KV-36KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-23	33	100	6000	170	70	820	28.5	70 x 43 x 17
FSC-23	33	200	8000	170	70	820	28.5	



27KV-33KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-21	33	100	6000	170	70	660	15	59 x 37 x 17
FSC-21	33	200	8000	170	70	660	15	



33KV-36KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-24	38	100	6000	170	70	870	16	98 x 44 x 18
FSC-24	38	200	8000	170	70	870	16	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-25	10	100	10000	110	40	220	7	39.5 × 36.5 × 10.5
FSC-25	10	200	12000	110	40	220	7	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-28	15	100	10000	125	45	320	8.5	48 × 34.5 × 10.5
FSC-28	15	200	12000	125	45	320	8.5	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-26	24	100	8000	150	65	530	12	49 × 37 × 17
FSC-26	24	200	10000	150	65	530	12	



27KV-33KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-29	33	100	6000	170	70	660	15	59 × 36 × 17
FSC-29	33	200	8000	170	70	660	15	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-27	24	100	8000	150	65	530	12	48 × 37 × 17
FSC-27	24	200	10000	150	65	530	12	



36KV-38KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-30	36	100	6000	180	75	850	17	65 × 37 × 17
FSC-30	36	200	8000	180	75	850	17	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-31	24	100	8000	150	65	530	12	50.5 x 37 x 17
FSC-31	24	200	10000	150	65	530	12	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-34	15	100	10000	110	40	230	7.5	49 x 35 x 11.5
FSC-34	15	200	12000	110	40	230	7.5	



27KV-33KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-32	33	100	6000	170	70	660	15	59 x 36 x 17
FSC-32	33	200	8000	170	70	660	15	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-35	15	100	10000	110	40	230	7.5	49 x 35 x 11.5
FSC-35	15	200	12000	110	40	230	7.5	



36KV-38KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-33	36	100	6000	180	75	850	17	66 x 36 x 17
FSC-33	36	200	8000	180	75	850	17	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-36	15	100	10000	125	45	230	9.4	55 x 44 x 11.5
FSC-36	15	200	12000	125	45	230	9.4	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-37	24	100	10000	150	65	530	12	55 x 44.5 x 20
FSC-37	24	200	12000	150	65	530	12	



36KV-38KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-40	36	100	6000	170	70	850	17.5	72.5 x 44.5 x 18
FSC-40	36	200	8000	170	70	850	17.5	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-38	15	100	10000	125	45	320	8.5	49 x 36.5 x 10.5
FSC-38	15	100	12000	125	45	320	8.5	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-41	10	100	8000	110	40	250	7.3	38.5 x 34.5 x 10.5
FSC-41	10	200	12000	110	40	250	7.3	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-39	15	100	8000	125	45	350	9.4	56 x 44 x 13
FSC-39	15	200	10000	125	45	350	9.4	



15KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-42	15	100	8000	125	50	480	9.2	56 x 38 x 14.5
FSC-42	15	200	12000	125	50	480	9.5	



10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-43	10	100	10000	110	40	380	3.5	39 x 36 x 10.5
FSC-43	10	200	12000	110	40	380	3.5	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-44	24	100	6000	150	65	620	3.8	40 x 36 x 12
FSC-44	24	200	8000	150	65	620	3.8	



27KV-33KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-45	27	100	6000	170	70	620	7.3	48 x 35 x 12
FSC-45	27	200	8000	170	70	620	7.3	



30KV-33KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-46	33	100	6000	170	70	680	5.3	60 x 35.5 x 12
FSC-46	33	200	8000	170	70	680	5.3	



36KV-38KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-47	36	100	6000	180	75	820	6	66 x 35.5 x 12
FSC-47	36	200	8000	180	75	820	6	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-48	24	100	6000	150	65	650	5.8	39 x 35 x 11
FSC-48	24	200	8000	150	65	650	5.8	



24KV-27KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-49	24	100	6000	150	65	800	5.5	47 x 45 x 13.5
FSC-49	24	200	8000	150	65	800	5.5	



27KV-33KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-50	33	100	6000	180	75	1070	7.6	61 x 60 x 12
FSC-50	33	200	8000	180	75	1070	7.6	



11KV

Type	Rated voltage (KV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)	Weight (kg)	Dimensions (cm)
FSC-51	11	100	6000	125	45	450	22	59 x 40 x 16
FSC-51	11	200	8000	125	45	450	22	

Parallel-groove connector
Templated cast red brass, for ease of conductor connecting, accommodates two conductors of unlike size in a single connector. Other styles of connectors are also available.

Latch-and-upper-contact assembly
Prevents fuse unit from dropping open due to vibration or shock, or when hotwashed. Assures positive latch release for dropout when fuse unit operates.

Insulator
Higher insulation characteristics than ANSI distribution-outlet standards.

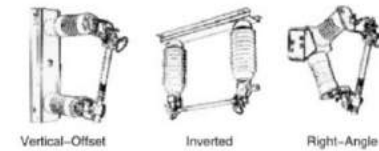
Rugged attachment hooks
For load buster guide tube during closing.

Pull ring-carefully contoured
For reliable operation from pole or bucket, with hookstick.

Silver-clad contacts throughout
Backed by prestressed loading springs, feature built-in wiping action

Toggle joint
Guides fuse unit during closing for on-center approach, even when operated from an adverse angle

Available with polymeric type
Inserts and hardware



kV			Amperes, RMS Interr., Sym.	Leakage Distance to Ground Minimum mm
Nom.	Max	BIL		
14.4	17	110	11200	394
25	27	150	10000	610
34.5	38	200	8000	940

Hook Stick Tools



Hookstick, FUERTE's Portable Loadbreak Tool

Hook Stick is first attached to a universal pole at least six feet long. It is then positioned across the front of the Type FSC Cutout, with the Hook Stick anchor hung on the attachment hook on the far side of the cutout. The pull ring of the fuse tube or disconnect blade is engaged with Hook Stick's Pull-ring hook and held fast with Hook Stick's pull-ring of the fuse tube or disconnect blade is engaged with Hook Stick's pull-ring hook and held fast Hook Stick's pull-ring latch. As the universal pole is pulled downward with a firm, steady stroke, and as Hook Stick is extended to its maximum length, the cutout is opened and the current is diverted through Hook Stick-at the same time Hook Stick's opening stroke, its internal trigger trips, the charged operating spring is released, the internal contact are separated, and the circuit is positively interrupted. The only sound is that of Hook Stick tripping.

Circuit interruption is independent of the speed at which the Hook Stick tool is operated. All that is required is a smooth operating stroke, without hesitation, without jerking, until the tool is extended to its maximum length. The resetting latch retains the tool in the open position for removal from the cutout-and until released to reset Hook Stick for its next operation.

And resetting Hook Stick is easy too, merely release the resetting latch and firmly close the extended tool to its fully telescoped position, it's that simple. For detailed information on Hook Stick, FRT'S portable load break tool, see FRT Descriptive Bulletin 811-30.

1. Attach

Reach across the front of the cutout and attach Hook Stick's anchor to the attachment hook on the far side of the cutout, and then engage its pull ring with Hook Stick's pull-ring hook.

Hook Stick's pull-ring latch prevents disengagement of the cutout pull ring and Hook Stick's pulling hook.

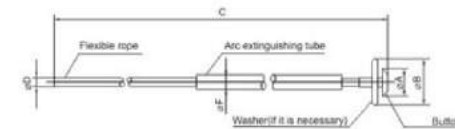
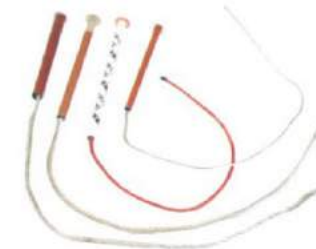
2. Pull

A firm, steady downward pull on Hook Stick-to its maximum extended length-opens the cutout in the normal manner as the current is diverted through Hook Stick. At a predetermined point in the opening stroke, Hook Stick trips, breaking the circuit positively.

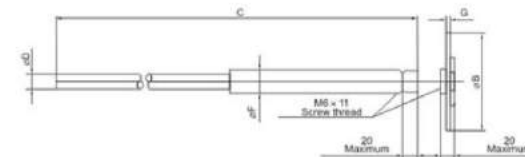
3. Remove

Hook Stick is disengaged by first removing its anchor from the cutout attachment hook. Then, with the blade in the open position, Hook Stick is removed from the pulling with a simple "roll-off" motion.

High-voltage Fuse Link Series

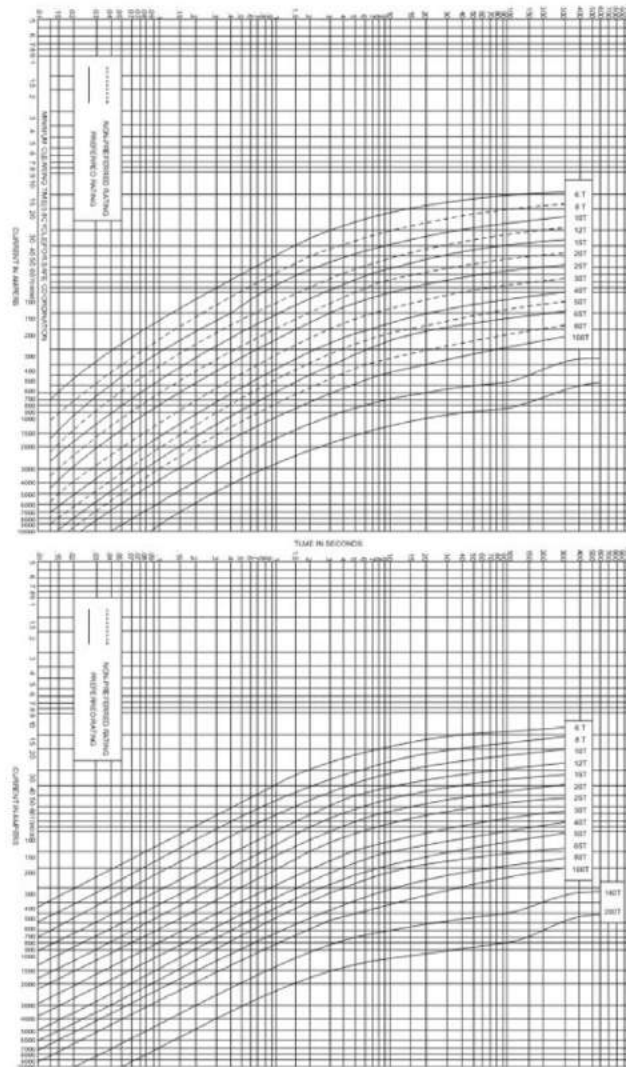


button type



Rated current (A)	Dimensions (mm)					Quantity / carton
	A	B	C	D	F	
1-25	12.5 ± 0.2	19.0 ± 0.2	(Note) 1	2.0	6.5	125
30-40	12.5 ± 0.2	19.0 ± 0.2	(Note) 1	3.0	8.0	250
50-100	19.0 ± 0.3	(Not applicable)	(Note) 1	5.0	9.0	250
140-200	19.0 ± 0.3	(Not applicable)	(Note) 1	7.0	13.0	150

Fuse Link Curve Diagram



LIGHTNING ARRESTER

Application

The ZnO arrester is mainly used to protect distribution transformer, cable connector and electric equipment from being damaged by lightning impulse voltage and operated over-voltage.

Keystone

The zinc oxide arrester is the most advanced over-voltage protector in the world. Due to make the resistor disc of core component mainly adopt zinc oxide arrester.

Compared with the conventional siliconcarbide arrester, this prescription of the product improves greatly the volt-Ampere characteristics of the resistor disc and increased through-current capability at over-voltage so as to bring a radical-changes for the characteristics of the arresters.

Normal service conditions

- The ambient air temperatures is no higher than +40°C, no lower than -40°C.
- The altitude above sea level does not exceed 1000-2000m (the altiplanearea should be indicated when order).
- AC system frequency 50Hz or 60Hz.
- Industrial frequency voltage brought to bear on arrester for a long time does not exceed arrester' sustained operation voltage.
- Maximum wind speed does not exceed 35m/s
- The earthquake intensity does not exceed 7 degrees.
- The filthy area should be given clear indication.

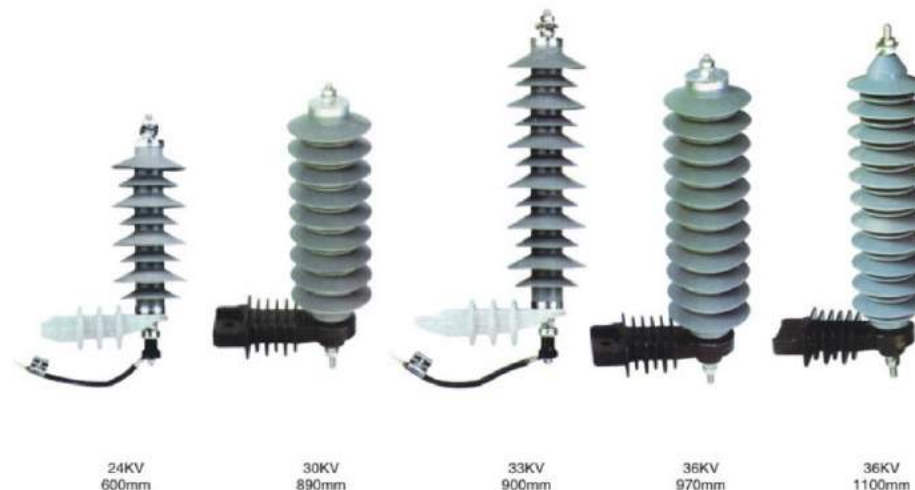
Technical Standard

The technical performance of the product is in conform to GB 11030-2000, IEC60099-4, IEC37-199/CDV, standard technic requirements.

Lightning Arrester



Lightning Arrester



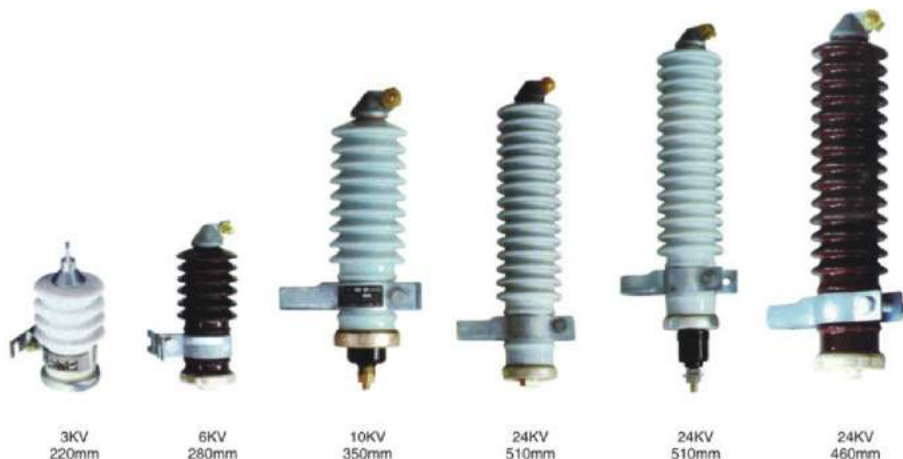
Polymeric Housed Metal-oxide Surge Arrester Without Gaps Nominal Discharge Current 5KA (EXPORT)

Type	MOA Rated voltage	MCOV	Current Impulse Residual Voltage				2ms Rectangular current impulse withstand	4/10 μs High current impulse withstand
			1/4 μs Lightning current impulse	8/20 μs Lightning current impulse	30/60 μs Switching current impulse			
			KV (crest)	KV (crest)	KV (crest)	A		
YH5W-3	3	2.55	11.3	9	8.9	150	65	
YH5W-6	6	5.1	22.6	18	16.8	150	65	
YH5W-9	9	7.65	33.7	27	23.8	150	65	
YH5W-10	10	8.4	36	30	23	150	65	
YH5W-11	11	9.4	40	33	30	150	65	
YH5W-12	12	10.2	42.2	36	27	150	65	
YH5W-15	15	12.7	51	45	38.5	150	65	
YH5W-18	18	15.3	61.5	54	46.2	150	65	
YH5W-21	21	17.0	71.8	63	54.2	150	65	
YH5W-24	24	19.5	82	72	62	150	65	
YH5W-27	27	22.0	92	81	69.8	150	65	
YH5W-30	30	24.4	102	90	79	150	65	
YH5W-33	33	27.5	112	99	86.7	150	65	
YH5W-36	36	29.0	123	108	92.4	150	65	

Polymeric Housed Metal-oxide Surge Arrester Without Gaps Nominal Discharge Current 10KA (EXPORT)

Type	MOA Rated voltage	MCOV	Current Impulse Residual Voltage				2ms Rectangular current impulse withstand	4/10 μs High current impulse withstand
			1/4 μs Lightning current impulse	8/20 μs Lightning current impulse	30/60 μs Switching current impulse			
			KV (crest)	KV (crest)	KV (crest)	A		
YH10W-3	3	2.55	11.3	9	8.9	250	100	
YH10W-6	6	5.1	22.6	18	16.8	250	100	
YH10W-9	9	7.65	33.7	27	23.8	250	100	
YH10W-10	10	8.4	36	30	23	250	100	
YH10W-11	11	9.4	40	33	30	250	100	
YH10W-12	12	10.2	42.2	36	27	250	100	
YH10W-15	15	12.7	51	45	38.5	250	100	
YH10W-18	18	15.3	61.5	54	46.2	250	100	
YH10W-21	21	17.0	71.8	63	54.2	250	100	
YH10W-24	24	19.5	82	72	62	250	100	
YH10W-27	27	22.0	92	81	69.8	250	100	
YH10W-30	30	24.4	102	90	79	250	100	
YH10W-33	33	27.5	112	99	86.7	250	100	
YH10W-36	36	29.0	123	108	92.4	250	100	

Lightning Arrester



Lightning Arrester



Porcelain Housed Metal-oxide Surge Arrester With Series Gaps Nominal Discharge Current 5KA (EXPORT)

Type	MOA Rated voltage	Power frequency discharge voltage	1.2/50 μ s impulse discharge voltage \leq	8/20 μ s Lightning impulse residual voltage \leq	2ms Rectangular current impulse withstand	4/10 μ s High current impulse withstand
	KV (rms)	KV (rms)	KV (crest)	KV (crest)	A	KA (crest)
Y5C-3	3	5.5	9	9	150	65
Y5C-6	6	11	18	18	150	65
Y5C-9	9	16	27	27	150	65
Y5C-10	10	18	30	30	150	65
Y5C-11	11	20	33	33	150	65
Y5C-12	12	22	36	36	150	65
Y5C-15	15	26	45	45	150	65
Y5C-18	18	33	54	54	150	65
Y5C-21	21	36	63	63	150	65
Y5C-24	24	40	72	72	150	65

Porcelain Housed Metal-oxide Surge Arrester With Series Gaps Nominal Discharge Current 10KA (EXPORT)

Type	MOA Rated voltage	Power frequency discharge voltage	1.2/50 μ s impulse discharge voltage \leq	8/20 μ s Lightning impulse residual voltage \leq	2ms Rectangular current impulse withstand	4/10 μ s High current impulse withstand
	KV (rms)	KV (rms)	KV (crest)	KV (crest)	A	KA (crest)
Y10C-3	3	5.5	9	9	200	65
Y10C-6	6	11	18	18	200	65
Y10C-9	9	16	27	27	200	65
Y10C-10	10	18	30	30	200	65
Y10C-11	11	20	33	33	200	65
Y10C-12	12	22	36	36	200	65
Y10C-15	15	26	45	45	200	65
Y10C-18	18	33	54	54	200	65
Y10C-21	21	36	63	63	200	65
Y10C-24	24	40	72	72	200	65

Lightning Arrester



Porcelain Housed Metal-oxide Surge Arrester without Gaps Nominal Discharge Current 10KA (EXPORT)

Type	MOA Rated voltage	Power frequency discharge voltage \geq	1.2/50 μ s Impulse discharge voltage \leq	8/20 μ s Lightning impulse residual voltage \leq	2ms Rectangular current impulse withstand	4/10 μ s High current impulse withstand
	KV (rms)	KV (rms)	KV (crest)	KV (crest)	A	KA (crest)
Y5C-11	11	20	33	33	150	100
Y5C-12	12	22	36	36	150	100
Y5C-15	15	28	45	45	150	100
Y5C-24	24	40	72	72	150	100
Y5C-33	33	54	99	99	150	100
Y5C-36	36	61	108	108	150	100
Y10C-10	10	18	30	30	150	100
Y10C-12	12	22	36	36	150	100
Y10C-15	15	26	45	45	150	100
Y10C-24	24	40	72	72	150	100
Y10C-33	33	56	99	99	150	100
Y10C-36	36	61	130	170	150	100

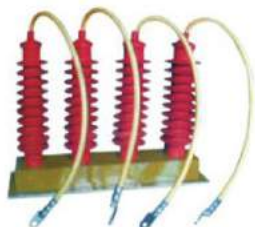
Lightning Arrester



Porcelain Housed Metal Oxide Surge Arrester With Series Gaps

Service condition	Type	Rated voltage	Nominal voltage (virtual value) KV	MCOV (Virtual value) KV	Direct (U1mA) reference voltage \geq KV	Max current impulse Residual voltage			2ms Rectangular current impulse withstand	4/10 μ s High current impulse with stand KA	0.75 Direct reference current μ A
						1/4 μ s steep current impulse	8/20 μ s Lightning impulse Residual Voltage	30/60 μ s Lightning impulse Residual Voltage			
Substation (Z)	Y5WZ-42/134	42	35	23	73	154	134	114	150	65	50
	Y5WZ-51/134	51	35	40.8	73	154	134	114			
	Y5WZ-52.7/134	52.7	35	40.8	73	154	134	114			
	Y5W-54/134	54	35	41	73	154	134	114			
Substation	Y5W-75/215	75	66	60	123	248	215	183	400	65	50
	Y5W-90/224	90	66	72.5	130	258	224	190			
	Y5W-100/260	100	110	78	145	291	260	221			
	Y5W-102/260	102	110	79.6	148	297	266	226			
Substation	Y5W-108/281	108	110	84	157	315	281	239	600	100	50
	Y10W-75/250	75	66	60	127	288	250	213			
	Y10W-75/223	75	66	60	127	256	223	190			
	Y10W-75/230	75	66	60	127	265	230	196			
Substation	Y10W-90/224	90	66	72.5	130	258	224	190	600	100	50
	Y10W-90/232	90	66	72.5	130	266	232	198			
	Y10W-90/235	90	66	72.5	130	270	235	201			
	Y10W-10/260	100	110	78	145	291	260	221			
Substation	Y10W-102/226	102	110	79.6	148	297	266	226	600	100	50
	Y10W-108/281	108	110	84	157	315	281	239			

Lightning Arrester



35KV



6, 10KV



XHY5W-17/150

Application

Three-phase Integrated Lightning arrester of FBP is a kind of traditional lightning arrester. It is able to prevent electrical equipment from the damage of lightning. It mainly fit for protective transformer, switch, electric model, parallel connection balance capacitor which the voltage is below 350V, and different kinds vacuum open circuit apparatus. It can set up in many kinds of high voltage switch in the cabinet. Like KYN, GBC, JYN, GCSI, XGNect.

Work Principle

The key technique of Three-phase integrated lightning arrester consists in offering a good wiring method, using four units lightning rod instead of six, however, it has the same function.

Way Of Wiring

Three-phase Integrated lightning arrester of FBP adopts compound outside connection, silicon material, and it can be made once at a time from a model, The high voltage cable also adopts silicon material. It needn't pay any attention to the distance between the phases when you set up it. Just connect with the joins with sign. The vest connect with A, B, C. Generally the length of cable in a bout 600mm. offer the length of cable according to the cus-tomers need when you order it.

Three-phase Integrated Metal-Oxide Surge Arrester Without Gaps

Destination	Type	System Voltage	MOA Rated Voltage	MCOV	1m A Reference Voltage at 1mA DC ≥	8/20 μ s Residual Voltage on nominal current ≤	2ms Rectangular current impulse withstand
		KV (rms)	KV (rms)	KV (rms)	KV (-)	KV (crest)	A
Distribution	YH5WS-10/30 × 2	6	10	8.0	16.0/15.0 ⊕	30.0	100
	YH5WS-17/50 × 2	10	17	13.6	26.5/25.0 ⊕	50.0	100
Substation	YH5WS-10/27 × 2	6	10	8.0	15.0/14.4 ⊕	27.0	150
	17/45 × 2	10	17	13.6	25.0/24.0 ⊕	45.0	150
	51/160 × 51/134	35	51	40.8	88.0/73.0 ⊕	160.0/134.0	150
Capacitor	10/27 × 2	6	10	8.0	15.0/14.4 ⊕	27.0	400
	17/46 × 2	10	17	13.6	25.0/24.0 ⊕	46.0	400
	51/150 × 51/134	35	51	40.8	88.0/73.0 ⊕	150.0/134.0	400
Motor	8/25 × 8/18.7	6.3	8	6.3	15.0/11.2 ⊕	25.0/18.7	200
	13.5/41.5 × 13.5/31	10.5	13.5	10.5	25.0/18.6 ⊕	41.5/31.0	200
Generator	8/25 × 8/18.7	6.3	8	6.3	15.0/11.2 ⊕	25.0/18.7	400
	13.5/41.5 × 13.5/31	10.5	13.5	10.5	25.0/18.6 ⊕	41.5/31.0	400

Lightning Arrester



6KV



10KV



35KV



66KV



110KV



110KV

Polymeric Housed Metal Oxide Surge Arrester With Series Gaps

Service condition	Type	Rated voltage KV	Nominal voltage (virtual value) KV	MCOV (Virtual value) KV	Direct (U1MA) reference voltage KV	Max current impulse Residual voltage			2ms Rectangular current impulse withstand A	4/10 μ s High current impulse withstand KA	0.75 Direct reference current μ s KA
						1/4 μ s steep current impulse	8/20 μ s Lightning impulse Residual Voltage	30/60 μ s Lightning impulse Residual Voltage			
Substation (Z)	YH5WZ-42/134	42	35	23	73	154	134	114	150	65	50
	YH5WZ-51/134	51	35	40.8	73	154	134	114			
	YH5WZ-52.7/134	52.7	35	40.8	73	154	134	114			
	YH5W-54/134	54	35	41	73	154	134	114			
Substation	YH5W-75/215	75	66	60	123	248	215	183	400	65	50
	YH5W-90/224	90	66	72.5	130	258	224	190			
	HY5W-100/260	100	110	78	145	291	260	221			
	HY5W-102/260	102	110	79.6	148	297	266	226			
Substation	HY5W-108/281	108	110	84	157	315	281	239	600	100	50
	HY10W-75/250	75	66	60	127	288	250	213			
	HY10W-75/223	75	66	60	127	256	223	190			
	HY10W-75/230	75	66	60	127	265	230	196			
	HY10W-90/224	90	66	72.5	130	258	224	190			
	HY10W-90/232	90	66	72.5	130	266	232	198			
Substation	HY10W-90/235	90	66	72.5	130	270	235	201	600	100	50
	HY10W-10/260	100	110	78	145	291	260	221			
	HY10W-102/226	102	110	79.6	148	297	266	226			
	HY10W-108/281	108	110	84	157	315	281	239			

Surge Arrester Monitor & Discharge Counter



Product Features

Discharge Counter is Used for recording the discharge times of surge arrester in operation. Monitor is connected in series with surge arrester and operates in power system. It measures on-line real-time leakage current of surge arresters and records the monitor discharging times.

Application scope

It is used for all kinds of metal oxide surge arrester in the voltage of 220kV and below, the service conditions is the same with the surge arrester connected.

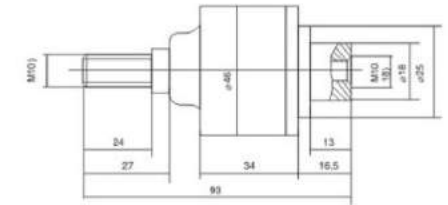
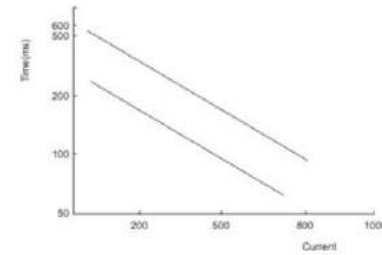


Arrester disconnecter

Arrester disconnect is a device for disconnecting an arrester from the system in the event of arrester failure, to prevent a persistent fault on the system and to give visible indication of the failed arrester, TL-1 is a thermal explode disconnecter, our products as per IEC60099-4 Standard.

Arrester disconnecter A-S character

Current Level	Power frequency (A)			2000 μ s Square wave Impulse current (A)	4/10 μ s High current (KA)
	20	200	800	600	100
operation time (ms)	< 0.5	< 0.04	< 0.02	∞	∞

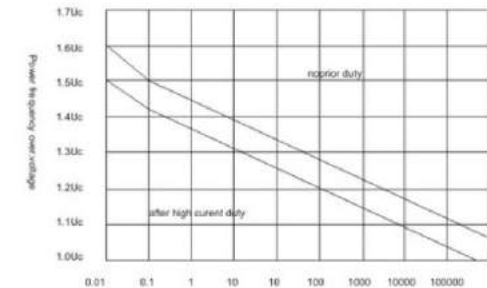


Zinc-oxide varistor

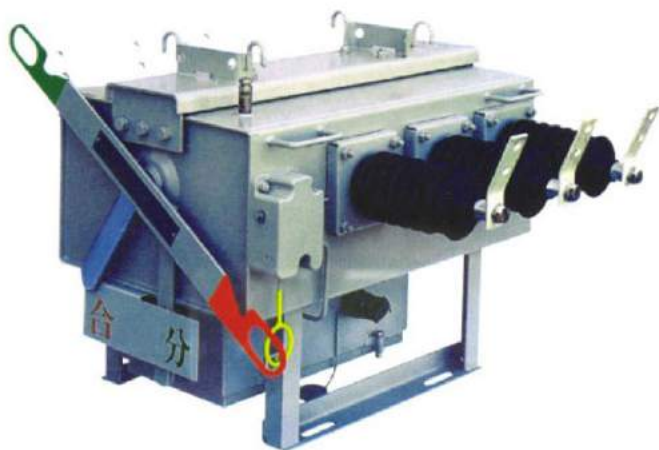


Type	Dimensions (mm)		Nominal standard discharge current (KA)	Rated voltage (KV)	MCOV (KV)	8/20 μ s Lightning impulse residual volage (KV)	2000 μ s square wave impulse withstand (A)	4/10 μ s High current impulse (KA)	Line class
	Diameter	Height							
D35	$\Phi 35 \pm 0.2$	24 ± 0.5	5	3-3.4	2.55	9.1	100	65	-
D38	$\Phi 38 \pm 0.2$	24 ± 0.5	10	3-3.4	2.55	9.3	200	65	-
D42	$\Phi 42 \pm 0.2$	24 ± 0.5	10	3-3.4	2.55	9.2	250	100	-
D53	$\Phi 53 \pm 0.2$	24 ± 0.5	10	3-3.4	2.55	8.9	400	100	I

Temporary over-voltage capability



FETFZ-12/630 Series Pillar Type Out-door Vacuum Circuit Breaker



Product Feature

FETFZ-12/630 series SF6 VCB used for power net auto system

- 1、The SF6 gas box material used stainless steel principal axis, the switching loop and operating mechanism all sealed in SF6 gas.
- 2、Adopt SF6 and vacuum insulation, the outside is silicone rubber bushing with leakage distance more than 513mm.
- 3、The inner adopt SF6 gas insulation,(gas pressure:0.13 Mpa), pressure switch and pressure gauge are used inside.
- 4、Energy storage electric spring are used in the operation system for easy frame and more reliable. The mechanical life span over 1000 times.
- 5、Contain 3 pieces of current transformer and 6 piece of voltage sensor.
- 6、On-off display mandatory sign clearly showed on box.
- 7、The machine can be used by manual and electronic operation, also can be controlled by FTU.
- 8、Suitable for auto-system distributing net. According to GB3804、GB11022、IEC6069ETC.

Service condition

- A、Working temperature: -30℃~+50℃ Storing temperature: -40℃~+70℃
- B、Ambience: Pollution degree IV
- B、Earthquake intensity: ≤8 degree
- D、Altitude: ≤2000m

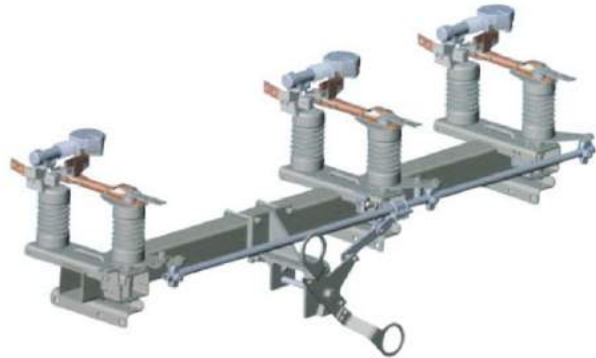
Technical Parameter

ITEM	Designation	Unit	Data
1	Rated voltage	KV	12
2	Rate current	A	630
3	Rated Frequency	Hz	50
4	Rated Power frequency withstand voltage	KV	42/48
5	BIL (To ground and interphase/isolating break)	KV	75/85
6	Rated short time withstand current (4s)	KA	20
7	Rated peak withstand current	KA	50
8	Rated closed switch-off current	A	630
9	Rated power load switch-off current	A	630
10	Rated cable charging switch-off current	A	10
11	Switch-off no-load transformer capacity	KVA	1250/1600
12	Rated short-circuit switch-off current(peak)	KA	50
13	SF6 nominal motion pressure	MPa	0.13
14	SF6 minimum motion pressure	MPa	0.108
15	SF6 leakage percent	cc/s	1 × 10 ⁻⁶
16	Rated voltage of On-off operation power	V	DC24
17	Mechanical life Span	Times	≥ 10000
18	Air Distance (To ground and interphase)	mm	≥ 150
19	Open distance of Vacuum Arc Chamber	mm	7 ± 0.5
20	Over travel of Vacuum Arc Chamber	mm	2.4 ± 0.3
21	Average closing speed	m/s	0.6 ± 0.2
22	Average opening speed	m/s	1.0 ± 0.2
23	Bounce duration of contact closing	m/s	≤ 3
24	Opening or Closing Simultaneity	m/s	≤ 3
25	Circuit Resistance	μ Ω	≤ 100
26	Maximum moment for Manual Operation	N.m	≤ 150

Type Instruction

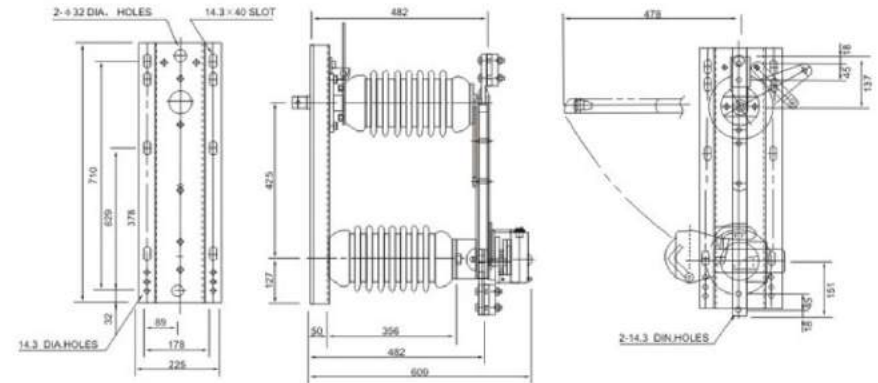


Load Break Switch Series



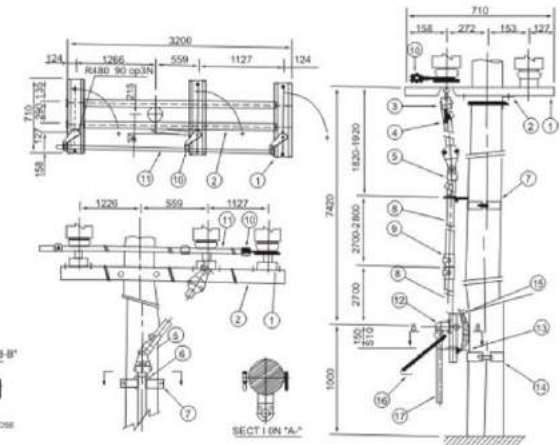
Rated voltage KV	Rated current A	4s heat steady e.c.A	Shock voltage A	Impulse withstand voltage (KV)	Power-frequency withstand voltage KV
14.4	400	12500	31500	85	42
	600	12500	31500	85	42
25.5	400	12500	31500	125	45
	600	12500	31500	125	45

Dimension And Mounting



Dimension And Maunting

NO	QTY	DRAWING NO	DESCRIPTION
1	2EA		CHANNEL BASE
2	2EA		MOUNTING ANGLE(90 x 77 x 3000L)
3	1SET	INT-JIT-1000	UNIVERSAL COUPLING-1 STEEL
4	1EA		PIPE1" Φ x 15
5	1SET	-3000	UNIVERSAL COUPLING-2 STEEL
6	1SET	-3000	MOUNTING BEARING ASS' Y STEEL
7	1SET	-8000	MOUNTING BAND ASS' Y STEEL
8	2EA		PIPE1" Φ x 3
9	1SET	-4000	PIPE CLAMP "C" STEEL
10	2EA	-5000	PIPE CLAMP "B" STEEL
11	2EA		PIPE1" Φ x 3
12	1SET	-8000	HANDLE ASS' Y STEEL
13	1SET	-7000	HANDLE BEARING ASS' Y STEEL
14	1SET	-8000	HANDLE BAND ASS' Y STEEL
15	1SET	-7300	EARTH ASS' Y
16	1SET	-6012	KEYPLATE
17	1EA		HANDLE PIPE1" Φ x 6.54



MOUNTING ARRANGEMENTS FOR THREE-POLE SWITCHES
MANUAL OPERATION

ZW8-12 Series Outdoor Vacuum Circuit Breaker



General Description

ZW8-32 Outdoor vacuum circuit breaker is three-phase A.C 50Hz Outdoor high voltage distribution equipment with 12KV rated voltage and below, which can be used for opening and closing loading current, overloading current and short-circuit current. If it is connected with computer remote control system and data wireless transmission terminal etc., the remote opening and closing function can be achieved. This is the optimum unrolled equipment for remaking the town and country's electric net.

Application and feature

It is equipped with CT23 type spring energy-stored operating mechanism. Energy-stored, opening and closing can be achieved by motor or by manual.

Appling ambient conditions

Ambient temperature: The max. temperature should be +40°C. The mix. temperature The height above sea level should be no higher than 1000m.

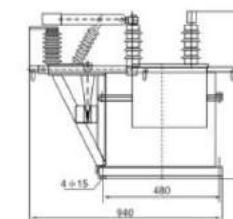
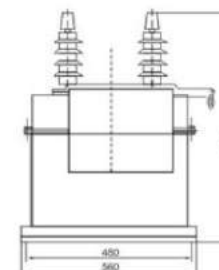
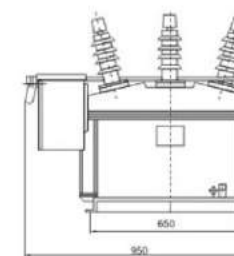
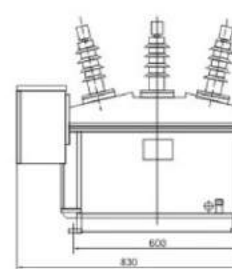
Wind pressure should be on more than 700Pa it is equivalent to wind speed of 34m/s The air filthy should be with in III degree. Frequently violent vibration should be forbidden.

Construction of ZW8 Vacuum Circuit Breaker

- Integral construction with three-phase in one box.
- Vacuum circuit breaker.
- Spring operating mechanism.
- Insulating system.
- Conductive loop.
- Box cover/enclosure.
- Hermetic parts.

Technical Data

Specification	Unit	Data
Rated voltage	kV	12
Rated current	A	630
Rated power-frequency withstand voltage (dry test/wet test)	kA	42/34
Rated short time withstand current	kA	<20
Rated withstand current (peak)	kA	<50
Rated short-circuit breaking current	kA	<20
Rated short-circuit breaking current	kA	<50
Rated lighting impulse withstand voltage	kA	75
Rated duration of short circuit	s	4
Rated making operation of short circuit breaker	Cycles	30
Other Technical Data		
Rated voltage of store energy motor	V	DC220, 110 AC220, 110
Power of energy-stored motor	W	200
Power of opening and closing coil	V	-200, -100, -220
Current of closing coil	A	
Current of opening coil	A	0.5, 0.99, 0.51
Current of overloading release	A	5



ZW32A-12 Outdoor AC HV Vacuum Circuit Breaker



General Description

ZW32A-12 Model Outdoor Pole-mounted High Voltage Vacuum Circuit breaker is mainly used to break and close load current overload current and short-circuit current in substation, industrial and mining establishments, and urban rural distribution network as a protection and control equipment. Especially suitable for occasions with frequent operating and automatic urban distribution network.

Technical Specification/Parameter

Rated voltage: 12KV
 Imin P.F. withstand voltage (dry/wet): 42 (gap 49)/30KV
 Lightning impulse withstand voltage (peak): 75(gap 85)KV
 Rated current: 630A
 Rated short-circuit breaking current: 20KA
 Rated short-circuit closing current(peak): 50KA
 4S short-time withstand current(peak): 20KV
 Rated withstand current(peak): 30KV
 Rated operating sequence: break-0.3s-close-break-180s-close-break
 Rated short-circuit breaking current breaking times: 50Times
 Mechanical lifetime: 10000Times
 Rated operating voltage: 220(DC, AC)V
 Sub-loop rated voltage: 220(DC, AC)V
 Over current tripper release rated current: 5A
 Current transformer ratio: 200/5; 400/5; 600/5(protection: 3; measurement: 0.5)
 Operating mode: spring (manual/electric)
 Outline dimension (width*length*height): 700*222*642
 Weight: 60kg

GW5 Outdoor AC Disconnect Switch



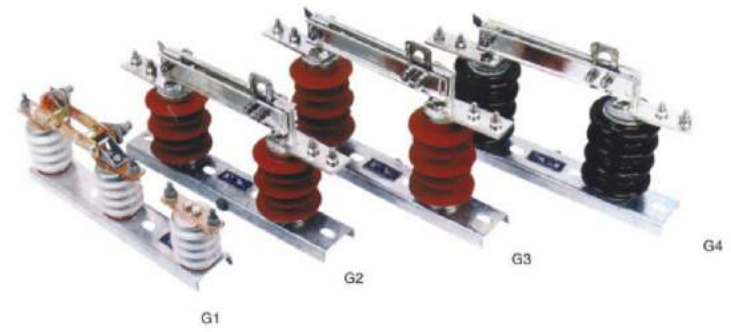
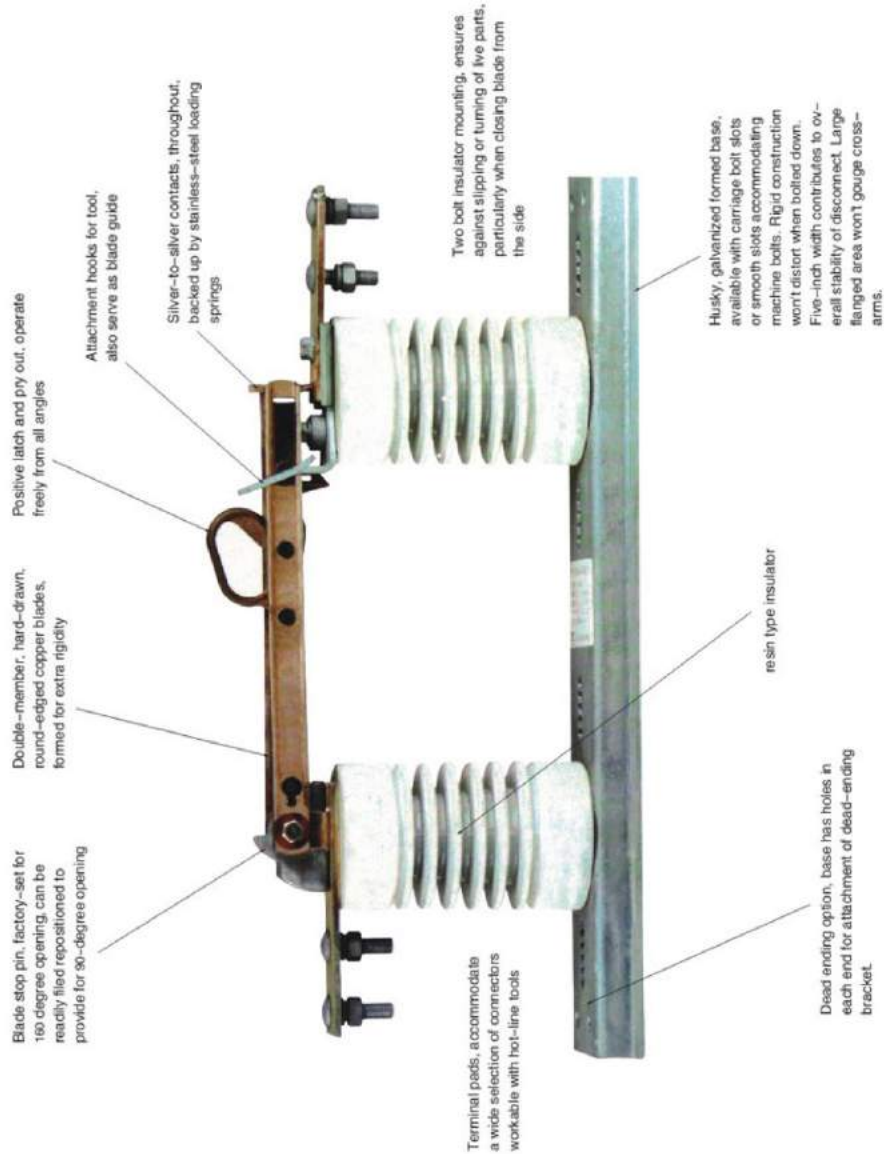
General Description

GW5 Outdoor AC Disconnect Switch is applicable for rated voltage 40.5KV, 72.5KV or 126KV, AC 50Hz to make or break high voltage circuit with no load, and electric disconnecting high voltage bus being checked and repaired and circuit breaker etc. electric apparatuses and high voltage lines. It is also used to open or close small capacitance and inductive current. This series of disconnect switch strictly accords with standards: GB1985, IEC129, and GB/T11022, and so on.

Technical Specification/Parameter

Rated voltage: 40.5, 72.5, 126KV
 Rated current: 630, 1000, 1250, 1600, 2000A
 Disconnect switch: peak withstand current, 50, 80KA; short-time withstand current, 20, 31.5(4s)KA
 Earthing switch: peak withstand current, 50, 80KA; short-time withstand current, 20, 31.5(4s)KA
 Earthing type: no earthing, single earthing, double earthing

Branch Feeder Style Disconnects



10KV

Type	HGW9-10W/400	HGW9-10W/630
Rated voltage KV	12	12
Rated current A	400	630
4S heat steady e.c.A	12500	12500
Shock voltage A		
To earth	75	75
Across the isolating distance KV	85	85
Power-frequency withstand voltage		
To earth	38	38
Across the isolating distance KV	42	42

15KV

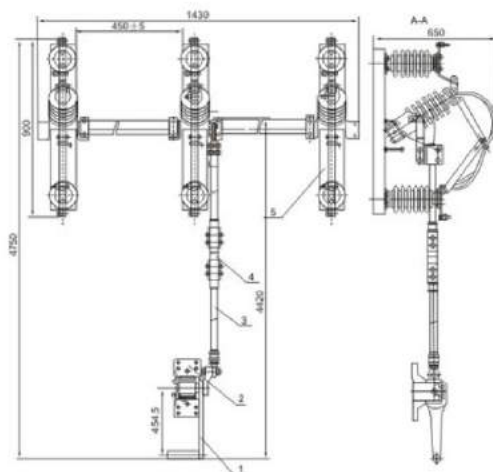
Type	HGW9-15GW/400	HGW9-15GW/630
Rated voltage KV	15	15
Rated current A	400	630
4S heat steady e.c.A	12500	12500
Shock voltage A		
To earth	75	75
Across the isolating distance KV	85	85
Power-frequency withstand voltage		
To earth	38	38
Across the isolating distance KV	42	42



Type	HGWK-0.5W/800	HGWK-0.5W/1000
Rated voltage KV	0.5	0.5
Rated current A	800	1000
4S heat steady e.c.A	1250	1250
Shock voltage A		
To earth	4	4
Across the isolating distance KV	5	5
Power-frequency withstand voltage		
To earth	2	2
Across the isolating distance KV	3	3

Style	Mounting Position 1	Rating				
		kV			Amperes, RMS	
		Nom.	Max	BIL:2	Cont.	Mom. 3
Branch Feeder (with bases having carriage-bolt slots)	Vertical or Inverted	14.4	15.5	110	600	40000
					900	40000
		25	27	125A	600	40000
					900	40000

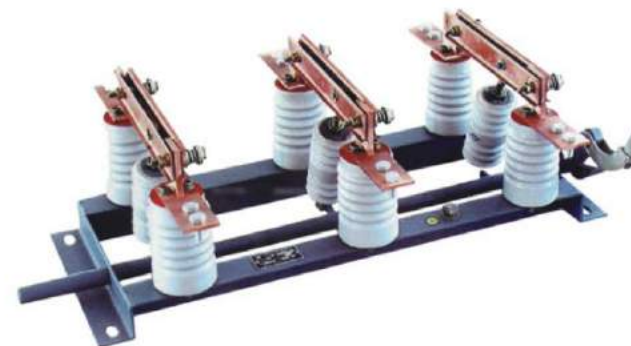
Disconnecting Switch



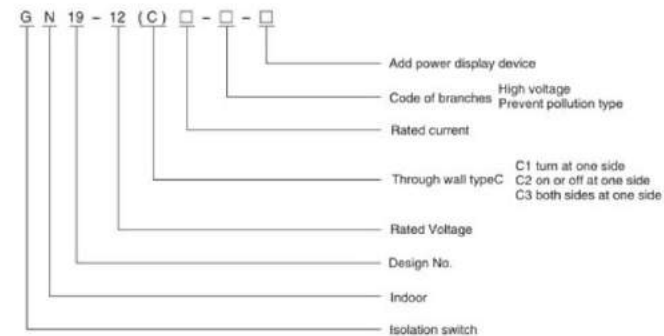
RH-B 11KV-38KV

Type	Rated voltage KV	Rated current A	4s heat steady e.c.A	Shock voltage A	Impulse withstand voltage (KV)	Power-frequency withstand voltage (KV)
RH-B	11	400	12500	31500	95	42
RH-B	33	600	12500	31500	195	80

GN19-12(C) Series Isolating Switch



Type Instruction



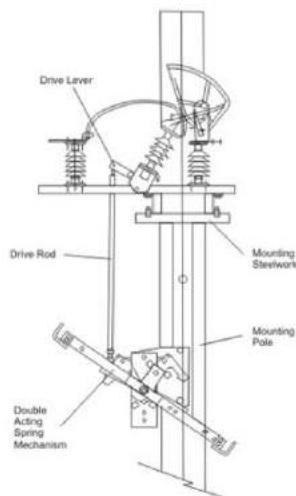
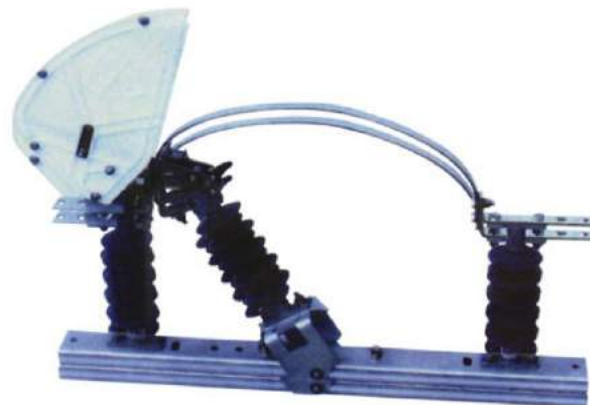
Service conditions

The altitude: 1000m-3000m.
 The ambient temperature: -30℃~+40℃
 The relative humidity of air: monthly ≤ 90%, daily ≤ 95%
 The wind pressure: ≤ 700pa (wind speed 34m/s)
 Amplitude: earthquake degree 8
 Environment degree: degree III
 Cannot be use on the condition of the danger of fire and blast,
 heavy pollution, chemical etching, strong shake etc.

Used condition

GN19-12(C) series isolating switch (indoor), used for in the three-phase AC 50Hz, rated voltage 10-12KV power system, comply with CS6-1 type manual operation mechanism which can be used for opening and closing loading current overloading current and short-circuit. Some type can also be used at heavy pollution or high altitude area.

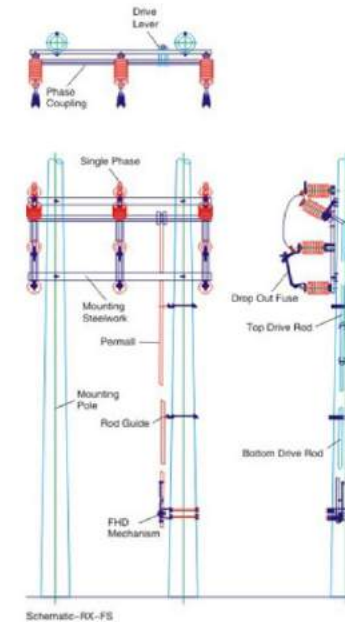
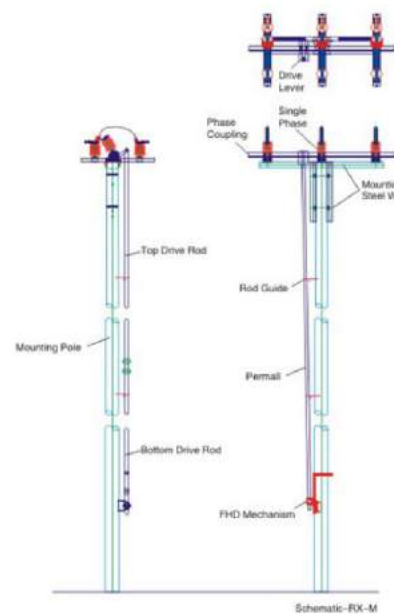
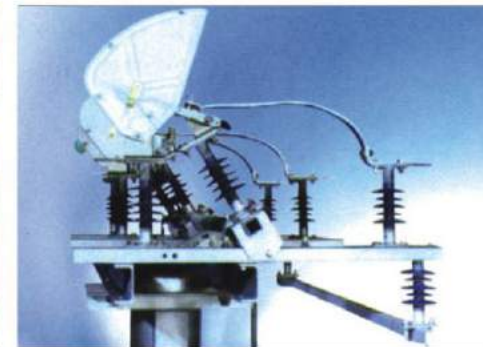
Disconnecting Switch



RH-A 12KV-36KV

Type	Rated voltage KV	Rated current A	4s heat steady e.c.A	Shock voltage A	Impulse withstand voltage (KV)	Creepage distance mm
RH-A	12	up to 630	12500	31500	85	To 560
RH-A	15.5	up to 630	12500	25000	110	To 560
RH-A	24	up to 630	12500	25000	145	To 1000
RH-A	36	up to 630	12500	25000	195	To 1320

Disconnecting Switch



400A Pole Mounted Fused Cut-out



Product Selection Chart

Product Number	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 washers recommended if lug palm has hole 16mm or greater.

Fuselinks

This fused Cut-out is designed to accommodate standard wedge type fuselinks to BS88 Part 5: 1988. Tested and approved for category of duty 415AC80.

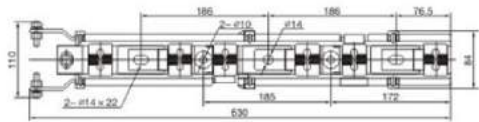
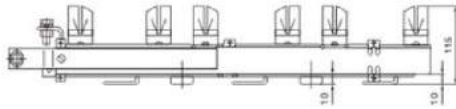
Fixing centre requirement is 82mm.

Standard fuselink ratings range from 20 to 400A.

Fuse, Fuse Base



ITEM	Type No		Suitable Fuse		Rated voltage (V)	Rated current (A)	Dimension (mm)								Weight (g)	
	Company Type	Same type external	Type	Size			D.N	A	B	C	Φd	E	F	G		H
1101	FB30C		NT00C	NH000	500	100	11.1	120	100	34	7.5	25	60	25	-	172
1102	FB31	sist101	NT00 RT16-00 RT20-00	NH000 NH00	660	160	11.1	120	100	30	7.5	25	60	25	-	193
1103	FB30C-3J	RT20-00-3J	RT20-000	1900/NH00	660	160	11.2	See drawing 11.2								516
1104	FB31B	sist160/RT16-0	NT0 RT16-0	NH0	660	160	11.1	170	150	30	7.5	38	73	25	-	295
1105	FB32	sist201 RT16-1 RT20-1	NT1 RT16-1 RT20-1	NH1	660	250	11.3	200	175	58	10.5	38	86	25	30	550
1106	FB33	sist401 RT16-2 RT20-2	NT2 RT16-2 RT20-2	NH2	660	400	11.3	225	200	60	10.5	40	100	25	30	770
1107	FB34	sist601 RT16-3 RT20-3	NT3 RT16-3 RT20-3	NH3	660	630	11.3	250	215	60	10.5	40	105	25	30	965
1108	FB39	sist1001 RT17	NT4 RT17	NH4	660	1000	11.3	310	285	95	13	48	150	30	45	3390
1109	NH00S1		NT00C NT00	NH000 NH00	660	160	11.1	120	100	32	7.5	29.5	61	25	-	156
1110	NH00S2		RT20-00 RT16-00	NH1	660	160	11.1	156	100	32	7.5	29.5	61	25	-	189
1111	NHIS		NT1 RT16-1 RT20-1	NH000 NH00	660	250	11.3	198	173	50	9.5	37.5	83	25	30	485
1112	RT0-50		RT0-50		380	50	11.1	135	120	34	7	24.5	46	20	-	173.3
1113	RT0-100		RT0-100		380	100	11.3	180	160	55	9	32	73	20	30	533.5
1114	RT0-200		RT0-200		380	200	11.3	200	175	60	9	33	85	20	30	745
1115	RT0-400		RT0-400		380	400	11.3	220	190	70	9	33	95	20	30	1080
1116	RT0-600		RT0-600		380	600	11.3	250	210	80	9	36	112	20	30	1900
1117	RT0-1000		RT0-1000		380	1000	11.3	350	300	90	13	40	175	50	40	3400
1118	FB33S-3J		NT2 RT16-2 RT20-2	NH2	500	400	11.4	See drawing 11.4								3735



Use Scope

Supporters for NH000-NH4 fuses of all kinds (gG, aM, aR) in electric lines (type gG) capable of working under the heat caused by rated current and perspective short-circuit impacting current up to 120KA.

Rated insulate voltage up to 660V、Working frequency 50Hz AC、Rated current 1000A.

Compliant to GB13539 and IEC269.

General Characteristics

The bases are made up with high-density ceramic, heat-resistant resin board and wedge-shaped static contacts in a open structure. The product is featured with good heat sinking, high mechanic density, reliable connection and simple Sizes available for all NH000-NH4 fuses.

Fuses Bases

