

Wenzhou Kunfeng Electric Co., Ltd



Catalogue



Wenzhou Kunfeng Electric Co., Ltd located in YueQing, the electrical capital of China, is a provider of power transmission and distribution system equipment. We dedicated in GIS, SF6 Breaker , vacuum circuit breakers, Insulator , load switches, drop fuse breakers, lightning arrester and vacuum interrupters, which are widely used in the power systems , network of thermal power generation, hydro power generation, metallurgy, chemical industry, petroleum, coal, municipal transmission and distribution equipment and other industries.

Kunfeng insists on taking customers as the center and creating value for customers. Relying on hard-working employees, Kunfeng adheres to people-oriented and creates a team with strong cohesion.

Vision and Mission

Kunfeng's vision and mission is to deliver electricity safely, green and efficiently to everyone in the rapid economic development, Perfect quality system, provide high-quality products and after-sales service for each customer, support OEM and strive to be a national brand.

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Product catalogue

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Vacuum Circuit Breaker

It is named because its arc extinguishing medium and the insulating medium of the contact gap after arc extinguishing are high vacuum; it has the advantages of small volume, light weight, suitable for frequent operation and arc extinguishing without maintenance, and is widely used in the distribution network. It can be used for the protection and control of electrical equipment in industrial and mining enterprises, power plants and substations, especially suitable for places requiring no oiling, less maintenance and frequent operation. The circuit breaker can be configured in the middle." Cabinet, double-layer cabinet and fixed cabinet are used for controlling and protecting high-voltage electrical equipment.



VS1-11/24 11KV/24KV Indoor High Voltage VCB Vacuum Circuit Breaker for Switchgear



Introduction:

It is an indoor switch-gear with three-phase AC 50Hz rated voltage of 11KV/24KV power system. It is used as protection and control unit for power equipment and industrial and mining enterprises.

Handcart type

Double spring operating mechanism

Applicable Place: (particularly to the places needing frequent operation)

- 1.the electrical equipment control and protection in industrial.
- 2.mining enterprises.
- 3.power plants.
- 4.substations.

It can be fixed in a switch cabinet or installed on a handcart.

Stable performance and easy installation.



VS1-11/24 11KV/24KV Indoor High Voltage VCB Vacuum Circuit Breaker for Switchgear



High Voltage Circuit Breaker Switch Advantages

- 1.Simple structure.
- 2.Adapt ultra low resistance type vacuum interrupter.
- 3.Adapt optimization and modular spring operating mechanism.
- 4.Suitable for occasions with frequent operation.
- 5.Free maintenance and long service life.
- 6.High reliable performance.

Environmental Conditions

Ambient temperature: $-15^{\circ}\text{C} \sim +40^{\circ}\text{C}$ (below 35°C within 24 hours)
Relative humidity: $\leq 95\%$ (daily average) or $\leq 90\%$ (monthly average)
Altitude: $\leq 1000\text{m}$

Main Structure:

vacuum interrupter,electromagnetic or spring operating mechanism,
bracket and other components.

Mechanic Data:

Place of Origin: Zhejiang, China

Model Number:VS1-11

Rated Voltage: 11KV/24KV

Product name:Indoor Vacuum Circuit Breaker

Rated current:630A/1250A/1600A(24KV)

Number of phase:Three Phase

Rated Short-Circuit Breaking Current:20/25/31.5/40KA Package: Wooden Box

Brand Name:Kunfeng /OEM

Breaking Capacity:25KA

Short name:VCB

Standard:IEC60947-2

Mechanical Life:20000Times

Frequency:50Hz



ZW32-12 11KV Outdoor VCB



ZW32-12M 11KV Intelligent Advanced Permanent Magnetic Mechanism Circuit Breaker



Introduction:

ZW32-12 type outdoor high voltage vacuum circuit breaker is rated voltage 11kv, three-phase AC 50Hz outdoor distribution equipment, which is mainly used for breaking, closing power system load current, overload current, short-circuit current.

ZW32 (M) -12 The models with permanent magnet operating mechanism operates; since the permanent action energy operating mechanism provided by a permanent magnet, the switch quickly to keep the points off position, a small number of mechanical parts, mechanical transmission chain is short, thus greatly improving the switch reliability and mechanical life.

Applicable Place:

- 1.the electrical equipment control and protection in industrial.
- 2.mining enterprises.
3. place of rural power grids frequent operation.
- 4.substations.

High Voltage Circuit Breaker Switch Advantages:

- 1.small size
- 2.light weight
3. anti-condensation
- 4.maintenance-free characteristics, can adapt to poor weather conditions and dirty environments



ZW32-12M 11KV Intelligent Advanced Permanent Magnetic Mechanism Circuit Breaker

Environmental Conditions :

1. Altitude: $\leq 2000\text{m}$
2. Ambient temperature: $-40^{\circ}\text{C} \sim +45^{\circ}\text{C}$
3. The ambient air can be contaminated dust, smoke, corrosive gases, vapors or salt spray
4. The wind speed does not exceed 34m/s (equivalent to 700pa on the cylindrical surface)
5. Anti-fouling property: IV
6. Vibration or earth from the switch and control equipment at the Ministry is negligible

Main Structure:

current transformer, resin insulation, High-pressure vacuum tube, High-pressure vacuum tube

Mechanic Data:

Place of Origin: Zhejiang, China

Model Number: ZW32-12

Rated Voltage: 11KV/24KV

Rated operating sequence: O-0.3s-CO-180s-CO

Rated current: 630A/400A/200A)

Rated Short-Circuit Breaking Current: 16/20/25KA

Brand Name: Kunfeng /OEM

Breaking Capacity: 25KA

Frequency: 50Hz

Mechanical Life: 10000Times

Number of phase: Three Phase

Package: Wooden Box



ZW7-33/40.5 40.5KV Outdoor Vacuum Circuit Breaker With Transformer



Applicable Place:(Suitable for frequent operating places)

- 1.Urban,rural network.
- 2.Industrial enterprises.

It is mainly used in outdoor 40.5KV distribution system to control and protect.

High Voltage Circuit Breaker Switch Advantages:

- 1.It conforms to GB1984-89 and IEC56“AC high voltage circuit breaker”.
- 2.It can be charged and switched by remote control switch or by hand.
- 3.Good sealing, anti-aging, high pressure, no burning, no explosion, long life, convenient installation and maintenance features.
- 4.It is composed of spring operating mechanism or electromagnetic operating mechanism.
- 5.Its overall structure is supported by porcelain insulator, vacuum interrupter built in upper insulator, downside insulator used for supporting. The breaker applies.

Environmental Conditions :

Ambient temperature:-15° C~+40° C

Relative humidity:≤95%or≤90%

The daily average saturated vapor pressure:≤2.2KPa;

The monthly average value:≤1.8KPa.

Altitude:≤1000m

Seismic intensity:≤8

*No fire, explosion, serious filthy, chemical corrosion and violent vibration of places.

Mechanic Data:

Rated Voltage: 33KV/40.5

Frequency:50Hz

Rated operating sequence:O-0.3s-CO-180s-CO

Mechanical Life:10000Times

Rated current:1250A/1600/2000A

Rated Short-Circuit Breaking Current:20/25/31.5KA



ZN85-40.5 40.5KV Indoor Handcart High Voltage VCB



Environmental Conditions :

1. Ambient temperature: not higher than $+40^{\circ}\text{C}$, not less than -40°C
2. Altitude: not exceed 2000m.
3. Relative humidity: daily average of not more than 95%, month average of not more than 90%. saturated vapor pressure daily average of not more than $2.2 \times 103\text{MPa}$, month average not more than $1.8 \times 103\text{MPa}$.
4. Earthquake intensity: not more than eight.
5. No fire, explosion hazard, serious filthy, chemical corrosion, as well as places of intense vibration.

Introduction:

ZN85-40.5series handcart type indoor vacuum circuit breaker for three-phase AC 50Hz, 40.5KV power system, for industrial and mining enterprises, power plants and substations as the division and load current, overload current fault current purposes, and occasions for frequent operation.

High Voltage Circuit Breaker Switch Advantages:

Adopt solid insulation structure, use of advanced solid epoxy sealing technology, the first time, the vacuum interrupter.

A leading electrical circuit. insulation and other support to become an integrated combination of solid seal pole. Successfully from a fundamental solution of the vacuum breaker gas environment, tolerance issues, make it more broad.

Integrated solid-pole closure of the fluent use of a self-ventilation technology, cleverly solved the structure of solid insulation caused by heat dissipation.

Mechanic Data:

Place of Origin: Zhejiang, China

Model Number: ZN85-40.5

Rated Voltage: 40.5KV

Rated operating sequence: O-0.3s-CO-180s-CO

Life: 10000Times

Rated current: 1250/1600/2000A

Rated Short-Circuit Breaking Current: 25/31.5KA

Brand Name: Kunfeng /OEM

Breaking Capacity: 25/31.5KA

Frequency: 50Hz

Mechanical

Number of phase: Three Phase

Package: Wooden Box

ZN12-40.5 40.5KV Indoor High Voltage VCB



Introduction:

ZN12-40.5 vacuum circuit breaker can be the main switch matched with kyn-40.5, kyn1-35, GBC-35 and other series switch cabinets. The circuit breaker is installed on the handcart in the switch cabinet as a movable unit. At the same time, the circuit breaker can also be installed in xgn-405 switchgear for fixed installation. The circuit breaker mechanism is integrated with the switch; The special spring energy storage operating mechanism can be operated by AC and DC energy storage or manually.

Mechanic Data:

Place of Origin: Zhejiang, China

Model Number: ZN12-40.5

Rated Voltage: 40.5KV

Rated operating sequence: O-0.3s-CO-180s-CO

Mechanical Life: 10000 Times

Rated current: 1600/2000A

power: 275W

Rated Short-Circuit Breaking Current: 25/31.5KA

Brand Name: Kunfeng /OEM

Package: Wooden Box

Frequency: 50Hz

Energy storage motor



LW3-12 11KV Outdoor SF6 Circuit Breaker



Introduction:

Lw3-12 outdoor high voltage SF6 circuit breaker is a new type of outdoor high voltage circuit breaker with SF6 gas as insulation and arc extinguishing medium. The arc extinguishing chamber adopts the principle, and the circuit breaker and operating mechanism are of an integral structure.

The products are divided into type I and type II: the difference is that type I is equipped with a manual energy storage spring operating mechanism, which is mainly used for columns. Type II power distribution dynamic energy storage spring operating mechanism can not only realize local manual operation, but also realize remote control and automatic reclosing operation. It is suitable for control and protection in small and medium-sized substations.

High Voltage Circuit Breaker Switch Advantages:

simple structure, reliable arc extinguishing and insulation performance, small operating power, high rated parameters, long electrical life and long maintenance cycle

Mechanic Data:

Brand Name:Kunfeng /OEM

Model Number:LW3-12

Max. Voltage: 12KV

characteristic:SF6 circuit breaker

Max. Current:630A

Package: Wooden Box

Frequency:50Hz

Mechanical Life:2000 Times



LW8-40.5 40.5KV Outdoor SF6 Circuit Breaker (Mid-mounted)



Introduction:

The product has excellent breaking performance. It adopts compressed air arc chamber with long electric life. It can continuously break 40ka short circuit current for 20 times underrated voltage without maintenance or replacement of sulfur hexachloride gas. It can be operated frequently; Each set can be equipped with 12 current transformers for users to choose. The product adopts a new type of MKZMSF6 pointer densimeter, and the reading of the pressure gauge is not affected by the temperature change, so it is easy to use.

This type of circuit breaker is a three-phase AC50 Hz outdoor high-voltage electrical equipment, which is suitable for the control and protection of 40.5 kV power distribution system. It can also be used for connecting circuit breaker and switching capacitor bank. This product is equipped with CT14 spring machine. The circuit breaker meets the requirements of national standard GB1984-1989 "AC high voltage circuit breaker" and IEC 56, IEC 62271-100 "high voltage AC circuit breaker".



LW8-40.5 40.5KV Outdoor SF6 Circuit Breaker (Mid-mounted)



Environmental Conditions :

- 1.Ambient temperature: upper limit +40°C, lower limit -30°C; Days difference does not exceed 32K
- 2.Altitude: 1000m and the following areas
- 3.Wind pressure: not more than 700Pa (corresponding to the wind speed 34m/s)
- 4.Air pollution level: IV class
- 5.Earthquake intensity: do not exceed 8 degree
- 6.Ice thickness: no more than 10mm

Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:LW8-40.5

Frequency:50Hz

Rated Voltage: 40.5KV

Package: Wooden Box

Rated operating sequence:O-0.3s-CO-180s-CO

Rated current:1250/1600/2000A

Rated Short-Circuit Breaking Current:25/31.5KA

Annual air leakage rate<1%

Water content of SF6 gas (at 20°C)≤PPm150(V/V)

Number of phase:Three Phase



LW8-40.5 40.5KV Outdoor SF6 Circuit Breaker (Filling Type)



Introduction:

The product has excellent breaking performance. It adopts compressed air arc chamber with long electric life. It can continuously break 40ka short circuit current for 20 times underrated voltage without maintenance or replacement of sulfur hexachloride gas. It can be operated frequently; Each set can be equipped with 12 current transformers for users to choose. The product adopts a new type of MKZMSF6 pointer densimeter, and the reading of the pressure gauge is not affected by the temperature change, so it is easy to use.

This type of circuit breaker is a three-phase AC50 Hz outdoor high-voltage electrical equipment, which is suitable for the control and protection of 40.5 kV power distribution system. It can also be used for connecting circuit breaker and switching capacitor bank. This product is equipped with CT14 spring machine. The circuit breaker meets the requirements of national standard GB1984-1989 "AC high voltage circuit breaker" and IEC 56, IEC 62271-100 "high voltage AC circuit breaker".



LW8-40.5 40.5KV Outdoor SF6 Circuit Breaker



Environmental Conditions :

- 1.Ambient temperature: upper limit +40°C, lower limit -30°C; Days difference does not exceed 32K
- 2.Altitude: 1000m and the following areas
- 3.Wind pressure: not more than 700Pa (corresponding to the wind speed 34m/s)
- 4.Air pollution level: IV class
- 5.Earthquake intensity: do not exceed 8 degree
- 6.Ice thickness: no more than 10mm

Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:LW8-40.5

Frequency:50Hz

Rated Voltage: 40.5KV

Package: Wooden Box

Rated operating sequence:O-0.3s-CO-180s-CO

Rated current:1250/1600/2000/2500A

Rated Short-Circuit Breaking Current:20/25/31.5/40KA

Annual air leakage rate<1%

Water content of SF6 gas (at 20°C)≤PPm150(V/V)

Breaking Capacity:20/25/31.5/40KA

Number of phase:Three Phase



LW9-72.5 Outdoor SF6 Circuit Breaker



Introduction:

The porcelain column high-voltage AC sulfur hexafluoride circuit breaker is a new product independently developed by our company. This product adopts a spring operating mechanism. The three levels are mounted on a frame to achieve three-phase mechanical linkage through a transmission mechanism. The electronic control can realize remote and local operation, the product performance is more superior, the operating noise is small, and it has the ability to break capacitive load and inductive load current. It can be used as a special circuit breaker for reactive power compensation.

Performance characteristics:

- Excellent capacitive and inductive current breaking performance
- Long electrical life
- Reliable insulation performance
- Long mechanical life
- Safe and reliable operation, small maintenance workload



LW9-72.5 Outdoor SF6 Circuit Breaker



Environmental Conditions :

- 1.Ambient temperature: upper limit +40°C, lower limit -30°C; Days difference does not exceed 32K
- 2.Altitude: 1000m and the following areas
- 3.Wind pressure: not more than 700Pa (corresponding to the wind speed 34m/s)
- 4.Air pollution level: IV class
- 5.Earthquake intensity: do not exceed 8 degree
- 6.Ice thickness: no more than 10mm

Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:LW9-72.5

Frequency:50Hz

Rated Voltage: 72.5KV

Package: Wooden Box

Rated operating sequence:O-0.3s-CO-180s-CO

Rated current:4000A

Rated Short-Circuit Breaking Current:40KA

Rated peak withstand current:100kA

Rated lightning impulse withstand voltage :350+60kV

Rated 1 min power frequency withstand voltage :160+42kV

Mechanism Model No.:CT 20

Cut back-to-back capacitor bank current:4000A

Cut combined reactor current :3150A



LW36-126 Outdoor SF6 Circuit Breaker



Introduction:

LW36-126 is an outdoor high-voltage sulfur hexafluoride circuit breaker. It is suitable for power systems with AC 50HZ and rated voltage 126kV. It can be used as a control and protection device for the power system and can also be used as a contact circuit breaker. The arc extinguishing chamber is a single unit at each level. The column has a single-fracture structure, using the self-energy arc extinguishing principle, equipped with a CT motor energy storage spring operating mechanism, and three-level mechanical linkage. The product complies with IEC62271-100

Environmental Conditions :

Altitude: no more than 3000 m
Ambient temperature: -30~40°C
Wind speed: 34m/s
pollution level: III grade



LW36-126 Outdoor SF6 Circuit Breaker



Environmental Conditions :

- 1.Ambient temperature: upper limit +40°C, lower limit -30°C; Days difference does not exceed 32K
- 2.Altitude: 1000m and the following areas
- 3.Wind pressure: not more than 700Pa (corresponding to the wind speed 34m/s)
- 4.Air pollution level: IV class
- 5.Earthquake intensity: do not exceed 8 degree
- 6.Ice thickness: no more than 10mm

Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:LW36-126

Frequency:50Hz

Rated Voltage: 126KV

Package: Wooden Box

Rated operating sequence:O-0.3s-CO-180s-CO

Rated current:3150A

Rated Short-Circuit Breaking Current:100KA

Rated peak withstand current:100kA

Rated lightning impulse withstand voltage :550kV

Rated 1 min power frequency withstand voltage :230kV

Rated line charging switching current :50A

Rated Sf6 gas pressure(20):0.6MPa



LW36/25-252 Outdoor SF6 Circuit Breaker(Integrated/split Type)



Introduction:

The self-energized AC high-voltage SF6 circuit breaker is an outdoor product. It is used to cut off the rated current, fault current or switch lines in power grids with a maximum voltage of 252kV to achieve control and protection of the power system. It can also be used as a contact circuit breaker.

This product uses SF6 gas as the arc extinguishing and insulating medium, adopts the most advanced international self-energized arc extinguishing technology, and is equipped with a new spring operating mechanism. It has the characteristics of long electrical life, low noise, and high reliability. It has a simple structure, small size, and a long maintenance cycle. It is completely replaceable in the current process of power equipment tending to be oil-free and large-capacity. The product complies with IEC62271-100

Environmental Conditions :

Altitude: no more than 2000 m

Ambient temperature:-30~40°C

pollution level:IV grade



LW36/25-252 Outdoor SF6 Circuit Breaker(Integrated/split Type)



Environmental Conditions :

- 1.Ambient temperature: upper limit +40°C, lower limit -30°C; Days difference does not exceed 32K
- 2.Altitude: 1000m and the following areas
- 3.Wind pressure: not more than 700Pa (corresponding to the wind speed 34m/s)
- 4.Air pollution level: IV class
- 5.Earthquake intensity: do not exceed 8 degree
- 6.Ice thickness: no more than 10mm

Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:LW36/25-252

Frequency:50Hz

Rated Voltage: 252KV

Package: Wooden Box

Rated operating sequence:O-0.3s-CO-180s-CO

Rated current:4000A

Rated Short-Circuit Breaking Current:50KA

Rated peak withstand current:125kA

Rated lightning impulse withstand voltage :1050kV

Rated 1 min power frequency withstand voltage :460kV

Rated line charging switching current :200A

Rated Sf6 gas pressure(20):0.6MPa



Metal Oxide Surge Arrester

Definition: The arrester which uses zinc oxide semiconductor as a resistor material, such type of arrester is known as a metal oxide surge arrester or ZnO Diverter. This arrester provides protection against all types of AC and DC over voltages. It is mainly used for overvoltage protection at all voltage levels in a power system .

Metal Oxide Surge Arrester Advantages:

- 1.It eliminates the risk of spark over and also the risk of shock to the system when the gaps break down.
- 2.It eliminates the need of voltage grading system.
- 3.At the normal operating condition, the leakage current in the ZnO is very low as compared to other diverters.
- 4.There is no power follow current in ZnO diverter.ZnO
- 5.It has high energy absorbing capability.
- 6.ZnO diverters possess high stability during and after prolonged discharge.ZnO
In ZnO diverter, it is possible to control the dynamic over voltages in addition to switching surges.
- 7.This results in economic insulation coordination.



10kv Gapless Polymer Zinc Oxide Power Lightning Arrester for Power Station\Substation



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 silicon carbide 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 during radical changes for the characteristics of the arresters. Under the circumstance of normal operating voltage the current through the arrester is just on micro ampere degree When suffered from over-voltage the arrester's excellent nonlinear characteristics will make the current through the arrester increase to several thousand amperes while the arrester will be under the circulating state and release over-voltage energy so as to protect the power transmission equipment against the damage caused by the over-voltage



10kv Gapless Polymer Zinc Oxide Power Lightning Arrester for Power Station\Substation

Mechanic Data:

Type	System Rated Voltage (KV)	Arrester Rated Voltage(KV)	Continue Rated Voltage(KV)	DC (U1mA)Voltage (KV)	2mS Square Wave Impulse Current Withstand (A)	Lightning Impulse Residual Voltage (KV)	Steep Wave Impulse Residual Voltage (KV)	Switching Impulse Residual Voltage (KV)	4/10us High Current Impulse Withstand (kA)
Y5WZ-12/32.4	10	12	9.6	17.4	150	32.4	37.2	27.6	65
HY5WZ-12/32.4	10	12	9.6	17.4	150	32.4	37.2	27.6	65
Y5WZ-15/40.5	10	15	12.0	21.8	150	40.5	46.5	34.5	65
HY5WZ-15/40.5	10	15	12.0	21.8	150	40.5	46.5	34.5	65
Y5WZ-17/45	10	17	13.6	24.0	150	45.0	51.8	38.3	65
HY5WZ-17/45	10	17	13.6	24.0	150	45.0	51.8	38.3	65
HY5WZ-26/66	20	26	20.8	37.0	150	66	76	56	65
HY5WZ-34/85	20	34	27.2	48	150	85	95	75	65
HY10WZ-26/66	20	26	20.8	37	150	66	76	56	100
HY10WZ-34/85	20	34	27.2	48	150	85	95	75	100
Y5WZ-51/134	35	51	40.8	73	400	134.0	154.0	114.0	65
HY5WZ-51/134	35	51	40.8	73	400	134.0	154.0	114.0	65
Y10WZ-51/134	35	51	40.8	73	400	134.0	154.0	114.0	100
HY10WZ-51/134	35	51	40.8	73	400	134.0	154.0	114.0	100
Y5WZ-54/134	35	54	43.2	77	400	134.0	154.0	114.0	65
HY5WZ-54/134	35	54	43.2	77	400	134.0	154.0	114.0	65
Y10WZ-54/134	35	54	43.2	77	400	134.0	154.0	114.0	100
HY10WZ-54/134	35	54	43.2	77	400	134.0	154.0	114.0	100
Y5WZ-84/221	66	84	67.2	121	600	221	254	188	65
HY5WZ-84/221	66	84	67.2	121	600	221	254	188	65
Y10WZ-84/221	66	84	67.2	121	600	221	254	188	100
HY10WZ-84/221	66	84	67.2	121	600	221	254	188	100
Y5WZ-96/250	110	96	75	140	600	250	288	213	65
HY5WZ-96/250	110	96	75	140	600	250	288	213	65



Y10WZ-108/218 Outdoor Polymer Ceramic lightning Arrester

Mechanic Data:



Type	Arrester Rated Voltage(KV)	System Rated Voltage(KV)	Continuous Operating Voltage (KV)	DC 1mA Reference Voltage Not Less Than (KV)	Maximum Residual Voltage (KV)			Operating Under inrush current	2000μs square wave flow capacity(A)	4/10 high current withstand capability(KA)	Maximum leakage current at 0.75 DC reference voltage(μA)
					Under lightning impulse Current	Under steep impulse Current	Under lightning impulse current				
Y10WZ-100/260	100	110	78	145	1.3	291	260	221	600	100	50
Y10WZ-102/266	102	110	79.6	148	2.6	297	266	226	600	100	50
Y10WZ-108/281	108	100	84	157	3.9	315	281	239	600	100	50



HY5WS 3-15 KV Lightning Arrester for Power Transmission Equipment

Mechanic Data:



Type	Sys R.V	MOA R.V	MCOV	DVC (U _{1mA}) ≤KV	1/10μs Steep Current Impulse ≤KV	8/20μs Lighting Current Impulse ≤KV	30/60μs Switching Current Impulse (≤KV)	2ms Rectangular Current Impulse (2ms) (A)	4/10μs High Current Impulse (KA)
	KV(r.m.s)								
HY5WS-3.8/15*	3	3.8	2.0	7.5	17.3	15	12.8	75	40
HY5WS-5/15		5	4.0	8.0	17.3	15	12.8	100	65
HY5WS-7.6/30*	6	7.6	4.0	15.0	34.5	30	25.5	75	40
HY5WS-10/30		10	8.0	15.0	34.5	30	25.5	100	65
HY5WS-12.7/50*	10	12.7	6.6	25.0	57.5	50.0	38.5	75	40
HY5WS-12.7/50*	10	12.7	6.6	25.0	57.5	50.0	38.5	75	40
HY5WS-17/50		17	13.6	25.0	57.5	50.0	38.5	100	65



Drop-out Fuse

Introduction:

Drop-out fuse cutout and load switching fuse cutout are for outdoor used high voltage protectors, To be connected with incoming feeder of distribution 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 are fixed on two sides of insulator support and moving contacts are installed on two ends of fuse tube. Fuse tube is composed of inside are extinguishing tube, and epoxy glass tube. Load switching fuse cutout provides enforced elastic auxiliary contacts and arc-extinguishing enclosure for switching on/off loading current.

Drop-out Fuse Advantages:

1. High performance of weather aging resistance
2. Design feature of single vent
3. Excellent conductivity
4. Reliable load breaking capacity



RW Series Outdoor High voltage Drop-out Fuse 11kV 12KV 15kV



Mechanic Data:

Product Name: Drop-out Fuse

Rated Current: 100/200A

Model Number: RW12-12

Rated Voltage: 10kV/11kV/15kV

Breaking Capacity: High

Application: Distribution Line



35kv Outdoor High Voltage Drop-Out Fuse



Product Name: drop out fuse
Model Number: RW5-35
Rated voltage: 35/40.5KV
Rated current: 100/200A
Breaking Capacity: High

Environmental Condition:

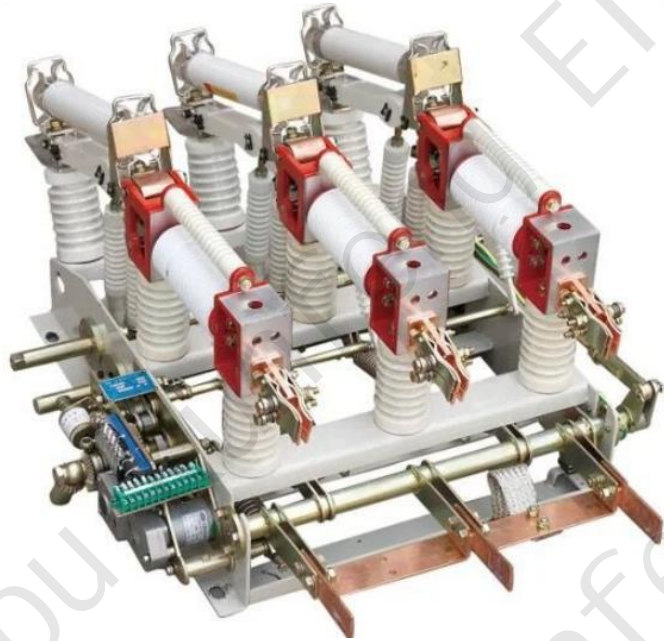
1. Altitude: not exceed 1000m
2. Ambient temperature: not higher than +40° C, not less than -30° C
3. Wind speed: no more than 35m/s
4. The installation should be free from fire, explosion, severe vibration, chemical corrosion and serious pollution

Mechanic Data:

Type	Rated voltage(KV)	Rated current (A)	Power frequency dry withstand voltage (KV)	Breaking capacity MVA		Power frequency wet withstand voltage (KV)	Permissible temperature rise in addition to the conductive part of fuse tube /°C
				Upper limit	Lower limit		
(H)RW5-35/100	35/40.5	100	105	400	10	185	60
(H)RW5-35/200	35/40.5	200	105	800	30	185	60



12kv FZN21 Indoor AC HV load Switch Switchgear with Fuse Combination



Introduction:

FZN21-12 High Voltage Load Switch is suitable for three-phase AC 10KV ,50Hz power system or used with complete sets of power distribution equipment ,ring network switch cabinets,combined substations etc.It is widely used in urban network construction and renovation projects,industrial and mining enterprises,high-rise building and public facilities etc,can be used as ring network power supply or terminal ,plays the role of power distribution,control and protection .

Environmental Conditions

- 1.Air temperature: $-25^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 2.Altitude: $\leq 1000\text{m}$;
- 3.Relative humidity: daily average is not more than 95%,
- 4.Installation places: No fire, explosion hazard, serious filthy places.
- 5.Contamination level: II



Mechanic Data:

Rated voltage		KV	12	
Rated frequency		Hz	50	
Rated current		A	630	125
Rated insulation level	1min power frequency withstand voltage	KV	Arc-quenching chamber fracture 48	
	(effective value)		Earth , phase 42, insulating fracture 48	
	Lightning impulse withstand voltage (peak)		Earth , phase 75, insulating fracture 85	
Rated dynamic current (peak)		KA	50	
4S thermal current		KA	20	
Rated power load breaking current		A	630	
Rated closed-loop breaking current		A	630	
Rated cable charge breaking current		A	10	
Rated breaking no-load transformer capacity		KVA	1250	
Rated breaking AC current		A	3150	
Rated short-circuit closed current		KA	50	
Rated current breaking times		times	2000	
Mechanical life		times	10000	
Permitted wear-thickness of vacuum arc-quenching chamber contact		mm	2	
Manual operating torque		Nm	>200	



FZW32-12/T630-20 Outdoor High-voltage Isolation Vacuum load Switch



Introduction:

The main use of FZW32-12/T630-20 type outdoor high-voltage isolation vacuum load switch is a new generation of high-voltage electrical products. The type of strict test and long-term test run. Various technical performance indexes meet the standard GB-3804 IEC. The products are mainly for the transformation of rural power grid construction and design of city network, suitable for rated voltage of 12KV, Power supply network of three-phase AC 50HZ. The product frame made of stainless steel or galvanized and UV protection coating of carbon steel. To ensure the normal operation in the outdoor environment parts are made of stainless steel materials. To ensure that the load switch durability, stability and waterproof and salt fog resistance the product has small volume and light weight appearance is simple and high parameters, breaking capacity, safety and reliability, long electrical life, frequent operation. Low maintenance characteristics of fracture was significant level. Mode of operation using single rod type manual operation, also can use electric, remote operation.



FZW32-12/T630-20 Outdoor High-voltage Isolation Vacuum load Switch

Mechanic Data:

Rated voltage	KV	11	
Rated frequency	Hz	50	
Rated current	A	630	
Rated Active load breaking current	KA	50	
Rated closed-loop breaking current	KA	20	
5%Rated Active load breaking current	A	630	
Rated short-circuit closed current	KA	50	
Mechanical life	times	10000	
Permitted wear-thickness of vacuum arc-quenching chamber contact	mm	1	
Manual operating torque	N.m	≤200	
Load switch vacuum interrupter assembly adjustment	Contact distance	mm	5±1
	The average opening velocity	m/s	1.1±0.2
	Three-phase tripping in different period	ms	<5
	Three-phase switching in different period	ms	<2
	The charged body and the relative distance between	mm	>200
	The auxiliary circuit resistance	μΩ	≥400



GW4-11 Series Outdoor High Voltage Isolating Switch



Mechanic Data:

Model Number:GW4

Max. Voltage:126KV

Max. Current:3150A

Type:Earthing Switch/Grounding Switch

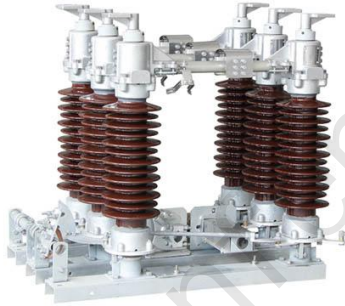
Material:Porcelain or Silicone rubber

Type	GW4-40.5	GW4-72.5	GW4-126	
Rated voltage KV	40.5	72.5	126	
The rated current A	1250, 2000			
Disconnecter	Rated peak withstand current kA	100		
	Rated short-time withstand current (RMS)kA	40		
	Rated short circuit duration s	4		
Grounding switch	Rated peak withstand current kA	100		
	Rated short-time withstand current (RMS)kA	40		
	Rated short circuit duration s	4		
Rated short-time power frequency withstand voltage (RMS) kV	to earth	95	160	230
	across isolating point	118	200	230+70
Rated lightning impulse withstand voltage (peak) kV	to earth	185	350	550
	across isolating point	215	410	550+100
minimum clearance in 1 min power frequency withstand voltage when ground blade closing to live part of disconnecter	53	94	164	
switching ability of earthing switch	electromagnetic inductance current (current/voltage)	50/0.5(A type), 100/6(B type)		
	Static inductance current (current/voltage)	0.4/3(A type), 5/6(B type)		
switching times	switching times	10	10	10
	longitudinal level	1000	1000	1000, 1250
	Horizontal level	750	750	750
rated terminal static mechanic load N	Vertical force	1000	1000	1000
	switching capacitance current A	2	2	2
switching inductance current A	1	1	1	
switching busbar for current transfer A (busbar transfer voltage 100V)	400V, 2500A, 100 times			
Radio interference level	less than 500 μV			
Mechanical life	3000	3000	3000	
single pole weight (kg)	240	300	350	

note: All applied in an altitude of 2000m



GW4-40.5 Series Outdoor High Voltage Isolating Switch



Mechanic Data:

Model Number:GW4

Max. Voltage:126KV

Max. Current:3150A

Type:Earthing Switch/Grounding Switch

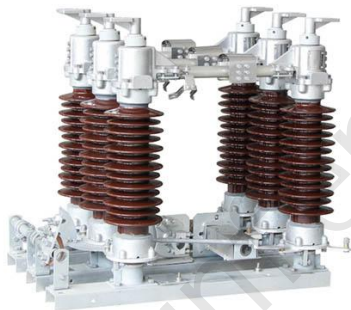
Material:Porcelain or Silicone rubber

Type	GW4-40.5	GW4-72.5	GW4-126	
Rated voltage KV	40.5	72.5	126	
The rated current A	1250, 2000			
Disconnecter	Rated peak withstand current kA	100		
	Rated short-time withstand current (RMS)kA	40		
	Rated short circuit duration s	4		
Grounding switch	Rated peak withstand current kA	100		
	Rated short-time withstand current (RMS)kA	40		
	Rated short circuit duration s	4		
Rated short-time power frequency withstand voltage (RMS) kV	to earth	95	160	230
	across isolating point	118	200	230+70
Rated lightning impulse withstand voltage (peak) kV	to earth	185	350	550
	across isolating point	215	410	550+100
minimum clearance in 1 min power frequency withstand voltage when ground blade closing to live part of disconnecter	53	94	164	
switching ability of earthing switch	electromagnetic inductance current (current/voltage)	50/0.5(A type), 100/6(B type)		
	Static inductance current (current/voltage)	0.4/3(A type), 5/6(B type)		
rated terminal static mechanic load N	switching times	10	10	10
	longitudinal level	1000	1000	1000, 1250
	Horizontal level	750	750	750
switching capacitance current A	Vertical force	1000	1000	1000
		2	2	2
switching inductance current A		1	1	1
switching busbar for current transfer A (busbar transfer voltage 100V)	400V, 2500A, 100 times			
Radio interference level	less than 500 μV			
Mechanical life	3000	3000	3000	
single pole weight (kg)	240	300	350	

note: All applied in an altitude of 2000m



GW4-72.5 Series Outdoor High Voltage Isolating Switch



Type	GW4-40.5	GW4-72.5	GW4-126	
Rated voltage KV	40.5	72.5	126	
The rated current A	1250, 2000			
Disconnecter	Rated peak withstand current kA	100		
	Rated short-time withstand current (RMS)kA	40		
	Rated short circuit duration s	4		
Grounding switch	Rated peak withstand current kA	100		
	Rated short-time withstand current (RMS)kA	40		
	Rated short circuit duration s	4		
Rated short-time power frequency withstand voltage (RMS) kV	to earth	95	160	230
	across isolating point	118	200	230+70
Rated lightning impulse withstand voltage (peak) kV	to earth	185	350	550
	across isolating point	215	410	550+100
minimum clearance in 1 min power frequency withstand voltage when ground blade closing to live part of disconnecter	53	94	164	
switching ability of earthing switch	electromagnetic inductance current (current/voltage)	50/0.5(A type), 100/6(B type)		
	Static inductance current (current/voltage)	0.4/3(A type), 5/6(B type)		
rated terminal static mechanic load N	switching times	10	10	10
	longitudinal level	1000	1000	1000, 1250
	Horizontal level	750	750	750
switching capacitance current A	Vertical force	1000	1000	1000
	switching inductance current A	2	2	2
switching busbar for current transfer A (busbar transfer voltage 100V)	1	1	1	
Radio interference level	400V, 2500A, 100 times			
Mechanical life	less than 500 μV			
single pole weight (kg)	3000	3000	3000	
	240	300	350	

note: All applied in an altitude of 2000m

Mechanic Data:

Model Number:GW4

Max. Voltage:126KV

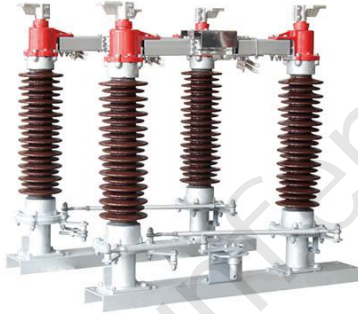
Max. Current:3150A

Type:Earthing Switch/Grounding Switch

Material:Porcelain or Silicone rubber



GW4-126 Series Outdoor High Voltage Isolating Switch



Mechanic Data:

Model Number:GW4

Max. Voltage:126KV

Max. Current:3150A

Type:Earthing Switch/Grounding Switch

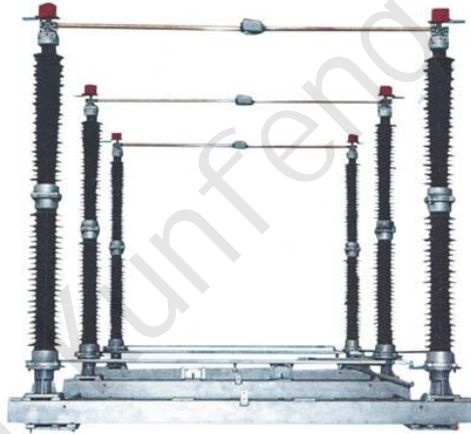
Material:Porcelain or Silicone rubber

Type		GW4-40.5	GW4-72.5	GW4-126
Rated voltage KV		40.5	72.5	126
The rated current A		1250, 2000		
Disconnecter	Rated peak withstand current kA	100		
	Rated short-time withstand current (RMS)kA	40		
	Rated short circuit duration s	4		
Grounding switch	Rated peak withstand current kA	100		
	Rated short-time withstand current (RMS)kA	40		
	Rated short circuit duration s	4		
Rated short-time power frequency withstand voltage (RMS) kV	to earth	95	160	230
	across isolating point	118	200	230+70
Rated lightning impulse withstand voltage (peak) kV	to earth	185	350	550
	across isolating point	215	410	550+100
minimum clearance in 1 min power frequency withstand voltage when ground blade closing to live part of disconnecter		53	94	164
switching ability of earthing switch	electromagnetic inductance current (current/voltage)	50/0.5(A type), 100/6(B type)		
	Static inductance current (current/voltage)	0.4/3(A type), 5/6(B type)		
inductance current	switching times	10	10	10
	longitudinal level	1000	1000	1000, 1250
	Horizontal level	750	750	750
rated terminal static mechanic load N	Vertical force	1000	1000	1000
	switching capacitance current A	2	2	2
switching inductance current A		1	1	1
switching busbar for current transfer A (busbar transfer voltage 100V)		400V, 2500A, 100 times		
Radio interference level		less than 500 μV		
Mechanical life		3000	3000	3000
single pole weight (kg)		240	300	350

note: All applied in an altitude of 2000m



GW4-252 Series Outdoor High Voltage Isolating Switch



Mechanic Data:

Model Number:GW4

Rated Voltage:252KV

Rated Current:1250/1600/2000/2500A

1 min power frequency withstand voltage to earth:1050+200kV

Lightning impulse withstand voltage fracyure :1050kV

Rated peak with stand current :80/100/125kA

Rated short-time withstand current :31.5/40/50kA

Creeping distance:5040/6300/7812mm

Rated terminal mechanical Horizontal lateral load :1000N

Rated terminal mechanical Horizontal longitudinal load :1500N

Rated terminal mechanical vertical force :1250N

Motor operating mechanism voltage :110/220/380 AC DC

Motor operating mechanism opening and closing time :8±1s



GW5-40.5 Series Outdoor High Voltage Isolating Switch



Introduction:

The GW5 Type outdoor isolating switch is an AC 50HZ outdoor high-voltage electrical equipment. It is used to open and close high-voltage lines without load, and to electrically isolate the high-voltage lines that are powered by high-voltage busbars, circuit breakers and other electrical equipment under maintenance. It can also be used to open and close, combined with small capacitor or inductor current, meets IEC60129

Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:GW5-40.5

Frequency:50Hz

Rated Voltage: 40.5KV

Package: Wooden Box

Rated current:630/1250/1600/2000/2500A

4s Short-time withstand Current:20/25/31.5/40KA

Rated peak withstand current:50/63/80/100kA

Rated lightning impulse withstand voltage :215kV

Rated 1 min power frequency withstand voltage :115kV

Creepage distance:1013/1256mm

Rated terminal mechanical Horizontal lateral load :500N

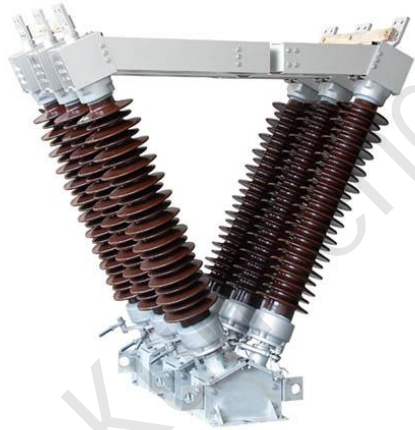
Rated terminal mechanical Horizontal longitudinal load :750N

Rated terminal mechanical vertical force :750N

Motor operating mechanism opening and closing time: 6±1



GW5-72.5 Series Outdoor High Voltage Isolating Switch



Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:GW5-72.5

Frequency:50Hz

Rated Voltage: 72.5KV

Package: Wooden Box

Rated current:630/1250/1600/2000/2500A

4s Short-time withstand Current:20/25/31.5/40KA

Rated peak withstand current:50/63/80/100kA

Rated lightning impulse withstand voltage :375kV

Rated 1 min power frequency withstand voltage :160kV

Creepage distance:1813 2248mm

Rated terminal mechanical Horizontal lateral load :750N

Rated terminal mechanical Horizontal longitudinal load :1000N

Rated terminal mechanical vertical force :1000N

Motor operating mechanism opening and closing time: 6±1

Product Weight No grounding:700kg

Single grounding:800kg

Double grounding:900kg



GW5-126 Series Outdoor High Voltage Isolating Switch



Mechanic Data:

Place of Origin: Zhejiang, China

Model Number:GW5-126

Rated Voltage: 126KV

Rated current:630/1250/1600/2000/2500A

4s Short-time withstand Current:20/25/31.5/40KA

Rated peak withstand current:50/63/80/100kA

Rated lightning impulse withstand voltage :630kV

Rated 1 min power frequency withstand voltage :245kV

Creepage distance :3150 3906mm

Rated terminal mechanical Horizontal lateral load :750N

Rated terminal mechanical Horizontal longitudinal load :1000N

Rated terminal mechanical vertical force :1000N

Motor operating mechanism opening and closing time: 6±1

Brand Name:Kunfeng /OEM

Frequency:50Hz

Package: Wooden Box



GW7-126 Series Outdoor High Voltage Isolating Switch



Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:GW7-126

Frequency:50Hz

Rated Voltage: 126KV

Package: Wooden Box

Rated current:5000A

Grounding switch 3s rated Short-time withstand Current:63KA

Grounding switch Rated peak withstand current:160kA

Rated lightning impulse withstand voltage :1050+200kV

Rated 1 min power frequency withstand voltage :460+145kV

Creepage distance :3150 3906mm

Rated terminal mechanical Horizontal lateral load :1000N

Rated terminal mechanical Horizontal longitudinal load :1500N

Rated terminal mechanical vertical force :1250N

Post insulator creeping ratio distance :25/31mm/kV

Disconnecting switch circuit resistance :50 $\mu\Omega$

Open and close bus conversion current:1600A

Single pole weight:1020kg



GW7-252 Series Outdoor High Voltage Isolating Switch



Mechanic Data:

Place of Origin: Zhejiang, China

Model Number:GW7-252

Rated Voltage: 252KV

Rated current:5000A

Grounding switch 3s rated Short-time withstand Current:63KA

Grounding switch Rated peak withstand current:160kA

Rated lightning impulse withstand voltage :1050+200kV

Rated 1 min power frequency withstand voltage :460+145kV

Creepage distance :3150 3906mm

Rated terminal mechanical Horizontal lateral load :1000N

Rated terminal mechanical Horizontal longitudinal load :1500N

Rated terminal mechanical vertical force :1250N

Post insulator creeping ratio distance :25/31mm/kV

Disconnecting switch circuit resistance :50 $\mu\Omega$

Open and close bus conversion current:1600A

Single pole weight:1020kg

Brand Name:Kunfeng /OEM

Frequency:50Hz

Package: Wooden Box



GW8-Neutral point outdoor high-voltage isolation switch



Introduction:

GW8 neutral point isolating switch is an outdoor device with AC 50HZ and 60HZ. It is used for connecting the neutral point of the switching transformer under no-load conditions. It consists of a single stage and operating mechanism. The single stage includes a base, a pillar insulator, a conductive Arms, contacts, etc. The operating mechanism drives the conductive arm through the connecting rod to open and close the isolating switch.

Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:GW8

Frequency:50Hz

Rated Voltage: 40.5/72.5/126KV

Package: Wooden Box

3s rated Short-time withstand Current:25KA

Rated terminal mechanical load (horizontal):750 /750 /1000

Motor operating mechanism opening and closing time :7±1



GW13-Neutral point outdoor high-voltage isolation switch



Mechanic Data:

Place of Origin: Zhejiang, China

Brand Name:Kunfeng /OEM

Model Number:GW8

Frequency:50Hz

Rated Voltage: 72.5/126KV

Package: Wooden Box

Rated current:630A

1min power frequency withstand voltage 140/230kV

Lightning impulse withstand voltage :325/450kV

4s rated Short-time withstand Current:20KA

Minimum insulation clearance after opening:>675 1050mm

Main circuit resistance :<180 200 $\mu\Omega$

Single pole weight:160 200kg



Gas Insulation Switchgear

Introduction: In recent years, with the continuous development of society, economy and switch technology, the complexity of engineering construction has increased, and the miniaturization, maintenance-free and intelligent products of switchgear have become more and more popular. Various switch manufacturing companies at home and abroad have vigorously developed medium-voltage gas-filled cabinets (C-GIS), also known as gas-insulated switch cabinets. The so-called gas-insulated switchgear is to seal high-voltage components such as busbars, circuit breakers, disconnectors, power cables, etc. in a housing filled with low gas pressure.



Gas Insulation Switchgear

Features:

- 1、 Due to the use of sulfur hexafluoride gas with excellent insulation performance as the insulation and arc extinguishing medium, the volume of the switchgear can be greatly reduced, making it more compact and miniaturized.
- 2、 High reliability and safety The conductive part of the main circuit is sealed in SF₆ gas, and the high voltage The body is closed and will not be affected by changes in external environmental conditions, so that the equipment can run safely for a long time, with high reliability and no danger of electric shock and fire.



Gas Insulation Switchgear

Features:

3、Independent modular design, the air box is installed and disassembled by high-precision aluminum plate, and the isolating switch adopts three-position linear transmission. Grounding and isolating switches, all electric remote operations, modular design of mechanism switches, opening and closing points are connected by plum blossom contacts, eliminating the need for original rotary isolators

The possibility of not operating the switch and grounding switch has changed the problem of unstable and excessive contact resistance of the original rotary isolating switch. All contacts are equipped with shielding and equalizing covers to completely solve the partial discharge of the switch breakpoint production. question.



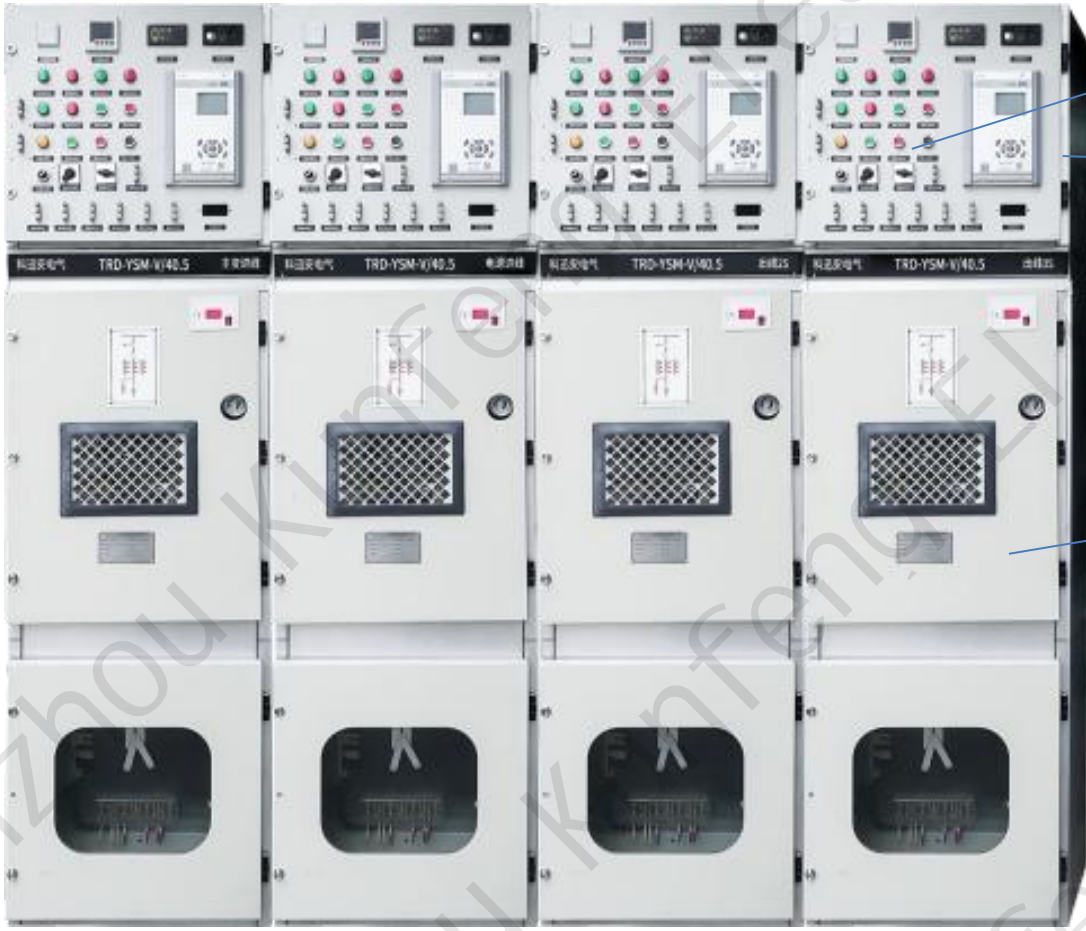
Gas Insulation Switchgear

Features:

4、 Convenient application and arrangement Gas insulated switchgear as an independent unit can meet various main wiring requirements through combination. Delivered to the site in the form of a unit, which can shorten the on-site installation period and improve reliability

type test :◆ insulation test ◆ Temperature rise test ◆ Loop resistance measurement ◆ Short-time withstand current and peak withstand current test ◆ Verification of making and breaking ability ◆ Mechanical operation and mechanical characteristic test ◆ Protection level detection ◆ Additional tests for auxiliary and control circuits ◆ Pressure withstand test of inflatable compartment ◆ Sealing test ◆ Internal arc test ◆ Electromagnetic Compatibility Test





Busbar Room

Secondary control

Switch room

Operating mechanism room

Cable unit



Gas Insulation Switchgear

Environmental Conditions:

Installation Location: Indoor

ambient temperature($^{\circ}\text{C}$): $-15\sim 40$

altitude(m): ≤ 5000

seismic intensity: ≤ 8

Inflatable pressure: 0.05MPa

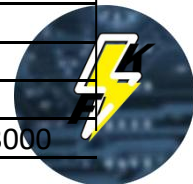
relative annual leak rate: $\leq 0.2\%$

Amplitude of electromagnetic interference induced in the secondary system(kV): ≤ 1.6

Mechanic Data:



Item	unit	Cunit	Funit	Vunit	Disconnector	VCB
		load switch	Combination appliances	VCB		
Rated voltage	kV	40.5	40.5	40.5	40.5	40.5
Rated current	A	630	1250	630-3150	630-3150	630-3150
Rated frequency	Hz	50	50	50	50	50
Main circuit resistance	$\mu\Omega$	$\leq 200 \leq 60$	$\leq 400 \leq 60$	$\leq 200 \leq 60$	$\leq 200 \leq 60$	$\leq 200 \leq 60$
Rated short-duration power frequency withstand voltage	kV	95	95	95	95	95
Rated lightning impulse withstand voltage	kV	185	185	185	185	185
Rated short-circuit breaking current	kA	20-25	31.5	20-40	20-40	20-40
Rated short-circuit making current	kA	50	80	80	80	80
Rated short-duration power frequency withstand voltage (fracture)	Times	118	118	115	118	118
Rated lightning impulse withstand voltage (fracture)	kA	215	215	215	215	215
Rated short circuit duration	s	4	4	4	4	4
Rated peak withstand current	kA	50	80	80	80	80
Three-phase closing asynchrony / three-phase opening asynchrony	ms	≤ 5	≤ 3	≤ 2		
Rated Transfer Current	A	1750				
Internal arcing test (AFLR class)	kA/s	31.5kA/0.5s				
Partial Discharge	pC	≤ 10				
Protection class		IP67	IP67	IP67		
Mechanical life	Times	10000	10000	10000	3000	3000



Vacuum Interrupter

Introduction: Vacuum Interrupter also known as vacuum switch tube, is the core component of medium and high voltage power switch. Its main function is to quickly extinguish the arc and suppress the current after the medium and high voltage circuit cuts off the power supply through the excellent insulation of the vacuum in the tube, so as to avoid accidents and accidents. It is mainly used in the power transmission and distribution control system, as well as the distribution system of metallurgy, mining, petroleum, chemical industry, railway, broadcasting, communication, industrial high-frequency heating, etc



Vacuum Interrupter for Outdoor Vacuum Circuit Breaker

TD-12/630-25 Series

Mechanic Data:

Main Technical Specification	
Voltage ratings at rated contact stroke	
Rated Voltage(Ur)	11kV
Rated short-time(1min)power-frequency withstand voltage(Ud)	42kV
Rated lightning impulse withstand voltage(peak)(UP)	75kV
Rated frequency(fr)	50Hz
Current ratings	
Rated Current (Ir)	630A
Circuit resistance at lowest rated contact force	≤30μΩ
Rated short-time withstand current(IK)	20kA
Rated duration of short-circuit(tk)	4 s
Rated peak withstand current(Ip)	50kA
Rated short-circuit making Current(Peak)	50kA
Rated short-circuit cut-off time	30Times
Rated short-circuit current	20kA
Rated breaking current of single capacitor bank	400A
Mechanical data	
Weight of movable parts	≤0.7kg
Closing force due to bellow and atmosphere	70±40N
Force required to hold contacts open at full stroke	120±50N
Mechanical requirements	
Clearance between open contacts	9±1mm
Average opening speed (contact close position~75% contact gap)	1.0±0.25m/s
Average closing speed (30% contact gap~contact close position)	0.65±0.15m/s
Rated added external contact final force	1600±100N
Contact bouncing duration at closing operation	≤2 ms
Closing and opening non-simultaneity of three-phase Contacts	≤1 ms
contact distance	3.5±0.5mm
Life	
Storage life	20years
Mechanical endurance	10000Times
Contacts limit erosion	3mm



Vacuum Interrupter for Outdoor Vacuum Circuit Breaker

TD-12/1250-31.5 Series

Mechanic Data:



Main Technical Specification	
Voltage ratings at rated contact stroke	
Rated Voltage(Ur)	11kV
Rated short-time(1min)power-frequency withstand voltage(Ud)	42kV
Rated lightning impulse withstand voltage(peak)(UP)	75kV
Rated frequency(fr)	50Hz
Current ratings	
Rated Current (Ir)	1250/1600A
Circuit resistance at lowest rated contact force	≤20μΩ
Rated short-time withstand current(IK)	31.5kA
Rated duration of short-circuit(tk)	4 s
Rated peak withstand current(Ip)	80kA
Rated short-circuit making Current(Peak)	80kA
Rated short-circuit cut-off time	30Times
Rated short-circuit current	31.5kA
Rated breaking current of single capacitor bank	400A
Mechanical data	
Weight of movable parts	≤1.5kg
Closing force due to bellow and atmosphere	120±50N
Force required to hold contacts open at full stroke	190±60N
Mechanical requirements	
Clearance between open contacts	11±1mm
Average opening speed (contact close position~75% contact gap)	1.0±0.25m/s
Average closing speed (30% contact gap~contact close position)	0.65±0.15m/s
Rated added external contact final force	3150±200N
Contact bouncing duration at closing operation	≤2 ms
Closing and opening non-simultaneity of three-phase Contacts	≤1 ms
contact distance	3.5±0.5mm
Life	
Storage life	20years
Mechanical endurance	10000Times
Contacts limit erosion	3mm



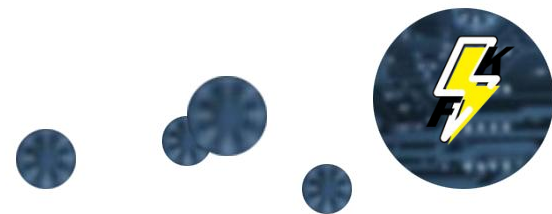
Vacuum Interrupter for Fixed Pole Seal

11KV Vacuum Interrupter for Fixed Pole Seal



Vacuum Interrupter for Fixed Pole Seal

24kv Vacuum Interrupter for Fixed Pole Seal



Vacuum Interrupter for Fixed Pole Seal

40.5kv Vacuum Interrupter for Fixed Pole Seal

