

## Fuse cover

### Fuse cover

**Fuse cover** is used in gas-insulated medium- voltage equipments in 12/24KV SF6 smart switch cabinet and ring main units. The product is an important protection part of SF6 switch cabinet. When the fault happens in the circuit, the fuse will be burnt out and so bring out an impact force of 50N to knock off the plastic pin, and then the protective switch will be turned off, so it can guard the equipments in a safe way. The product has passed the type test of Beijing Electric Power Research Institute. It's used for SF6 switch cabinet of ABB Beijing company.



### Fuse canister

**Fuse canister** is used in 12KV solid- insulated RMU. The product is an important protection part of switch cabinet. When the fault happens in the circuit, the fuse will be burnt out and so bring out an impact force of 50N to knock off the plastic pin, and then the protective switch will be turned off, so it can guard the equipments in a safe way. It's used for solid-insulated RMU of Beijing Sojo Electric Co., Ltd.



### Phase comparator PC-1 and UPC-01

**Phase comparator** is used in conjunction with a high-voltage live line indicator. Its plug cords are respectively inserted into the phase checking holes of the voltage indicating device to check the correctness of the phase. The light does not illuminate to indicate normal, and the light indicates that the phase is incorrect.

With cable length 2 meters, 3 meters, 6 meters commonly used, 8 meters for options.

#### PC-1



#### UPC-01 Phase Comparator



### Technical data of UPC-01

**UPC-01 phase comparator** has the function of checking phase and testing electricity. It is used in checking electricity and phasing of the electric power circuit and substation.

- Adopt ADC (Analog digital conversion) to judge phase angle
- Compliance with standard IEC62271-206 and DL/T538-2006
- It will be standby mode after voltage absent 1 minute, and then it will resume automatically when voltage presents

#### Electrical parameters

Working voltage	DC3.6V
To be measured input voltage range	AC 10V-100V
To be measured input Voltage frequency	50/60Hz
Phase relation unbalance U	Ua & Ub phase angle difference >60°
Phase relation balance B	Ua & Ub phase angle 10°

#### Environmental parameters

Working temperature	-25 ~ +55℃
Storage temperature	-25 ~ +55℃

#### Mechanical parameters

Dimensions W x H x D	45 x 47 x 32.5 mm
Cable length	1500 mm

## Conductive bearing

### General

Inductive bearing is an important part of HV disconnecter, which may be applied in HV electrical equipments of electric power transmission and converting system, to ensure reliable on-off actions of disconnecter. Also it can effectively carry heavy current and block low current and shunt current (loop current), thus it is easy to operate the disconnectors.

High-voltage disconnecter is used in the high-voltage distribution system to isolate the parts which need to be power off from the live parts to ensure the safety of maintenance personnel. The country requires mandatorily that the disconnecter must be mounted in the HV electrical equipment to guarantee the safety of operators and equipments.

In a word, conductive bearing is the most reliable and secure choice, and the product has passed the type test from China Electric Power Research Institute.

### Features

- Compact and novel construction, utility model patent
- Good seal, inductive part is immune to outside environment
- Self-lubricating, maintenance-free, long-term operating
- Current conduction inside the bearing, stable and reliable

745033

743015

745035

743016

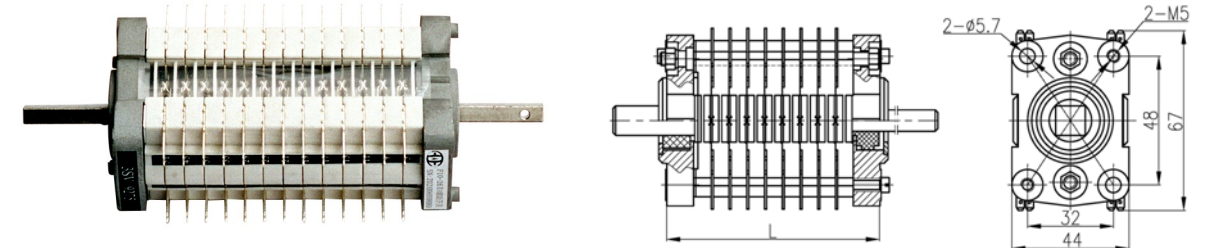
Model	Used for	Application mode	Loop Resistance	Rated Current	Rated Voltage	Rated Load	Temperature Rise
745033	VKSBIII	Horizontally telescopic type	$\leq 30\mu\Omega$	2000A	245-550KV	1kN	$\leq 75K$
743015	VKSBIII	Horizontally telescopic type	$\leq 30\mu\Omega$	2000A	245-550KV	1kN	$\leq 75K$
745035	GSSB	Scissor type	$\leq 60\mu\Omega$	900A	123-550KV	1kN	$\leq 75K$
743016	GSSB	Scissor type	$\leq 30\mu\Omega$	900A	123-550KV	1kN	$\leq 75K$
627176	SSBII	Centrally disconnecting type	$\leq 9\mu\Omega$	3150A	72.5-420KV	3kN	$\leq 75K$

### Technical data of F10 series auxiliary switch

**Auxiliary switch** is mainly used for switching signal controlling and interlocking protection in the controlling circuit of various kinds of HV circuit breakers, HV isolation switch operating mechanisms. Also, it may also be used as transfer switch or integral switch.

### F10 series of auxiliary switches

- Self-operated plane slide design. Moving contacts consists of two contact pieces. no fixed gap and no contact pedestal. Every pair of contacts has a consistent contact pressure.
- Cascading construction adopted, the number of contacts can be added or dropped as required.
- Small size, simple structure, smart for operation, safe and reliable.
- Standard: GB14048.5-2001



Rated voltage		AC 220V/380V DC 110V/220V	Breaking resistance at closing state.	$\geq 1M\Omega$
Rated current		10A	Power frequency withstand voltage	AC2000V, 1min
Rated breaking current		10A 3A 6A	Motor life	30000 times
Angle	AC-15	220V(phase voltage) Cos $\Phi=0.4$	Major axis size	8mm×8mm
	DC-13	220V, T=20ms		6mm×6mm
		110V, T=20ms	Environment	Altitude $\leq 3000m$
		Rotational angle 360°		Temperature -40℃~+40℃
		Operating angle 90°		Humidity $\leq 90\%$

Model	F10-4	F10-8	F10-12	F10-16	F10-26
Number of contacts	2 open 2 close	4 open 4 close	6 open 6 close	8 open 8 close	13 open 13 close
Length (L)	47	61	75	89	124

## MQZ series Electromagnets

MQZ2



MQZ3



MQZ4



MQZ5



### General

MQZ1,2,3,5 and 6 D.C. traction **electromagnet** is mainly used in the control circuit of DC 220V, as the electromagnet coil for switching of motorized operating device of vacuum circuit breaker and switchgear incoming/outgoing cables.

MQZ4 D.C. **electromagnet coil** is used for the control circuit of D.C. 220V, which is dedicated for the hydraulic solenoid valve of hydraulic disc spring stored energy operating devices. The coil is thermo-plastic coated with superior temperature tolerance.

MQZ7 D.C. **electromagnet coil** is used for the control circuit of D.C. 220V, which is dedicated for the solenoid valve of pneumatic operating mechanism of vacuum circuit breaker. The coil is thermo-plastic coated with superior temperature tolerance up to class H.

MQZ8 D.C. **electromagnet coil** is used for the control circuit of D.C. 220V, which is dedicated for the solenoid valve of pneumatic operating mechanism of high voltage disconnecter. The coil is thermo-plastic coated with superior temperature tolerance up to class H.

### Features (Model MQZ2 as example)

- Easy to fix and connect to the load
- The risen temperature is stable so as to prolong lifetime and guarantee excellent performance
- Anti-friction ensures high efficiency and long lifetime

Coil Voltage		220、110、48、24VDC
Rated Attraction		40N
Rated Travel		11mm
Operation Frequency (Power duration <1s)		120(times/H)
Limit of temperature rise		65(K)
Lifetime		>10000 times
Dielectric Property		AC2000V,1min
Environ- ment	Altitude	≤1000m
	Temperature	-25℃ ~ +40℃
	Humidity	≤95%
	Pollution Degree	2

For specs of other models kindly visit [www.andaxingelectric.com](http://www.andaxingelectric.com) or [www.andaxing.net](http://www.andaxing.net)

### Technical data (Model MQZ8 as example)

MQZ8 **switchgear solenoid** is used for the control circuit of D.C. 220V, which is dedicated for the solenoid valve of pneumatic operating mechanism of high voltage disconnecter. The coil is thermo-plastic coated with superior temperature tolerance up to class H.

- Easy to fix and connect to the load
- The risen temperature is stable so as to prolong lifetime and guarantee excellent performance
- Anti-friction ensures high efficiency and long lifetime
- MQZ8 is thermosetting coated with excellent temperature tolerance and protection level IP65



Coil voltage		220、110、48、24VDC
Coil aperture × coil height		Φ10mm×30mm
Operating frequency (Power-on duration<1s)		Continuous working (ED100%)
Temperature rise limit		≤45 K
Withstand voltage of insulation		AC2000V, 1min
Protection level		IP65
Environment	Altitude	≤1000m
	Temperature	-40℃ ~ +120℃
	Humidity	≤95%
	Pollution degree	2



## Mechanical parts for switchgear

Based on our group of companies we are able to offer our customers one-stop service on electric mechanical parts, including manufacturing electrical machinery parts and providing the technical consulting service to customers, as well as undertaking the business of machining production of various mechanical parts.

The product range covers high-precision CNC bar-lathing parts, wheel gear and shaft parts, casting parts, milling and lathing parts, metal-plating and punching parts and injecting and molding parts etc. We can also design and process different parts according to customers' requirements.



In Fujian Minbei Industrial Zone we have a floor area of 54,000m<sup>2</sup> and a standard production plant of 16200 m<sup>2</sup>. In the first phase of production, we mainly focus on the machinery manufacturing industry. The company is equipped with 32 sets of large-scale and medium-scale CNC machining centers from home and abroad, 86 sets of universal processing equipments. We also have several automatic production lines for galvanizing, silvering, heat treatment and phosphating/bluing as well as a qualified testing room. In Xiamen factory, we also have more than 10 sets of processing equipments such as CNC lathes, CNC automatic bar lathes, injection machines as well as a team of experienced mechanical designing engineers and technicians. Our high-precision machining parts are widely used in lots of industries like high-voltage equipments, communication, medical equipments and security systems etc.



## ODM & OEM parts

The product range covers high-precision CNC bar-lathing parts, wheel gear and shaft parts, casting parts, milling and lathing parts, metal-plating and punching parts and injecting and molding parts etc. We can design and process different parts according to customers' requirements.



Andaxing Group pays much attention to developing new products by conducting industry-college-institute cooperation with many famous universities like Xiamen University, Jimei University, Xiamen University of Technology and some institutes. And now the company is the exercitation base for masters and doctors from lots of universities and colleges.

