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 **兴机电器有限公司**
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Operating mechanism



COMPANY INTRODUCTION

"Wenzhou Xingji Electrical Appliances Co., Ltd.", former Wenzhou Xinqiao Mechanical Equipment Factory, was founded in 1989. As a standing member of China Electrical Equipment Industry Association, we are specialized in the R&D, manufacturing, and sale of high, medium, and low-voltage electrical components and complete equipment accessories. After 20 years' continuous efforts and growth development, now we have established eight investment companies that recruit about 1800 employees.

Xingji Electrical Appliances has always kept pace with the times and insisted on sustainable development. To meet the market demand, we have adhered to "standardized, continuous, and institutionalized" management. We have stuck to the philosophy of "practicality and steady growth" and the quality management policy of "leading technology, standard management, superior quality, and customer satisfaction". On the path towards achieving "Xingji excellency", we have constantly provided Xingji employees with modern features and encouraged them to take up new challenges and create a brighter future.



KYN28A-12 Series of KYN Cabinet



KYN61-40.5 High-Voltage Switch Cabinet



XGN 15-12 SF6(RMU)



XGN15II-12 Switch Equipment



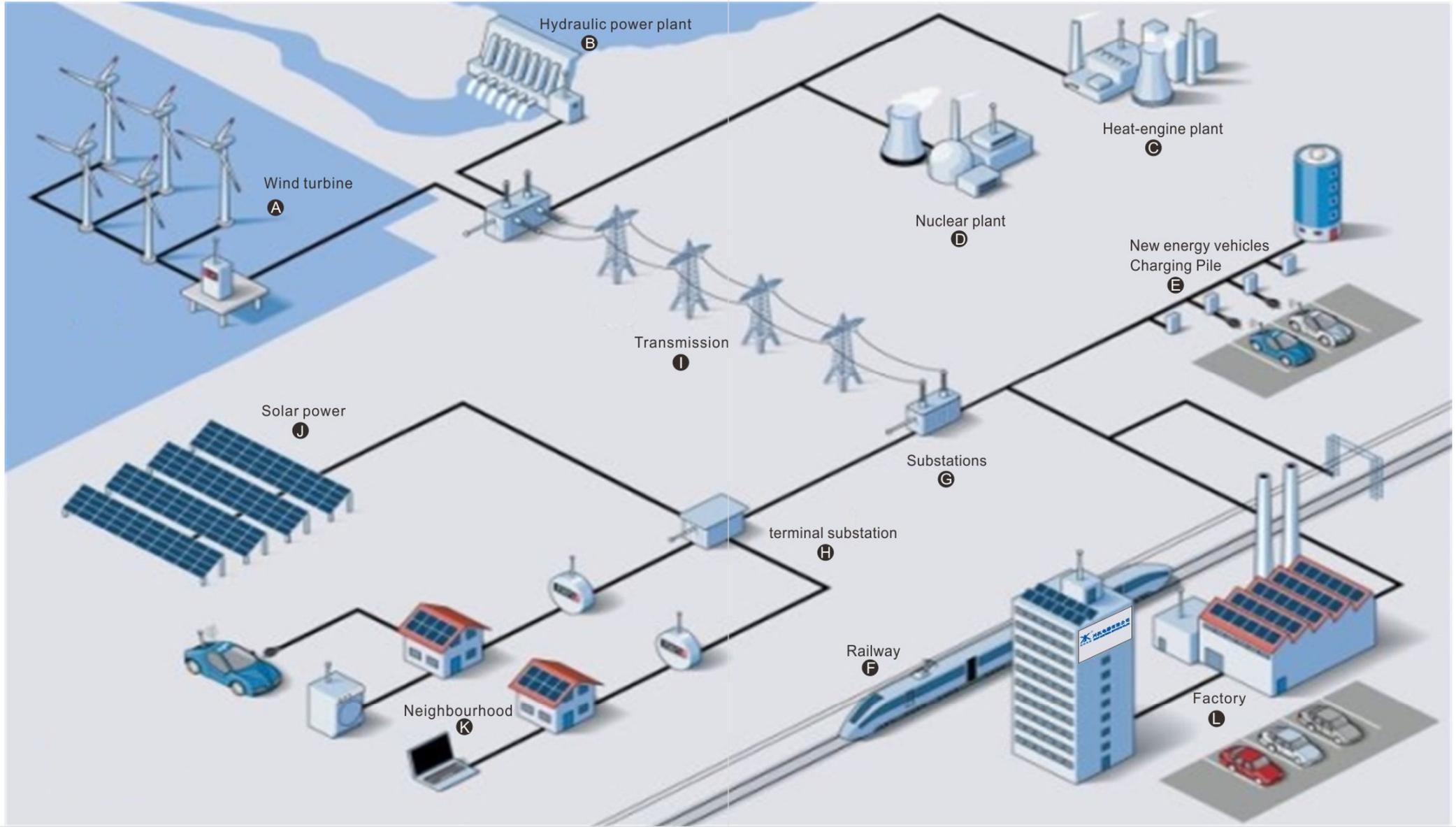
XGNC-12 (C-GIS)



XJ-SIS-12 Solid Insulated Switchgear



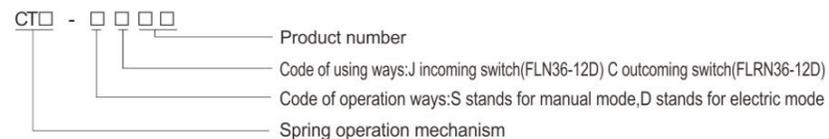
XGNX-12 Cabinet





XING JI ELECTRIC
OPERATING MECHANISM

Model composition and meaning



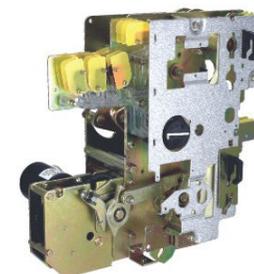
Description

CT□ spring operation mechanism is used to be the corollary equipment of PLRN36-12D/T100-31.5 and FLN36-12D/630-20 indoor high voltage SF6 load switch, with rated voltage of 12kv. The version is according to the principle of the spring released during passing half. There are three stations of closing, tripping and grounding. It is characterized for its medium volume, convenient equipment appliance and strong adaptability. There are the function of the fuse tripping and the shunt trip coil. The mechanism conforms to the relevant requirements of the GB3804-1990 <<3-63KV high voltage alternation load switch>>, GB16926-1997 <<alternation high voltage load switch-fuse-combination unit>>.

CT□-□J (K) spring operation mechanism

■ Manual in-coming line spring operating mechanism
Code: CT□-□SJ(K Type)
Diagram code: 3WXJ.085.001

■ Electoral in-coming line spring operating mechanism
Code: CT□-□SJ(K Type)
Diagram code: 3WXJ.085.001+3WXJ.085.002



■ Note: The stander is DC. The special stander of EU is DR.

■ Note: If custom need the incoming line mechanism alone, the diagram code is 3WXJ.085.002

The operating instruction of CT□-□J (K) spring operation mechanism

Closing operation of the load switch

Plugging the operating handle into the under hole of closing operating shaft (lower right corner) clockwise rotation for about 180°, the mechanism leads the contact to complete the closing operation of load switch.

Closing operation of the load switch

Rotating the operating handle anticlockwise for 180°, completing this operation.

Grounding operation of the load switch

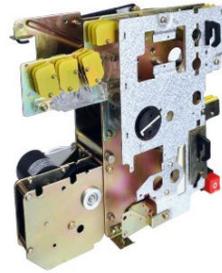
Plugging the operating handle into the operating shaft hole with anticlockwise for 180°, the mechanism lead the contact complete the grounding closing quickly. Contrarily when it comes to the tripping operation of the grounding switch, just plugging the operating handle into the grounding shaft anticlockwise for about 180°.

CT□-□C (A) spring operation mechanism

■ Manual in-coming line spring operating mechanism
Code: CT□-□-SJ(K Type)
Diagram code: 3WXJ.085.001



■ Electroloral out-coming line spring operating mechanism
Code: CT□-□-SJ(K Type)
Diagram code: 3WXJ.085.001+3WXJ.085.002



■ Note: If custom need the incoming line mechanism alone, the diagram code is 3WXJ.085.002

The operating instruction of CT□-□C (A) spring operation mechanism

The closing operation of the load switch

Plugging the operating handle into the hole of the closing operation shaft (lower right corner) clockwise rotation for 180°, the mechanism leads the contact to complete the closing operation of the load switch quickly. At the same time the spring with energy storage is ready for tripping.

The opening operation of the load switch

Just stirring the tripping by opening button, the opening spring energy is released, and mechanism leads the principal shaft to complete the opening operation quickly.

The grounding operation of the load switch

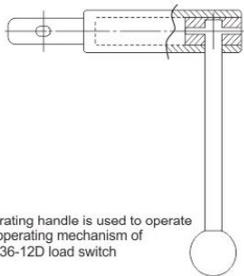
The grounding operation of CT□-□C /XJ (A) spring operation mechanism is same to the CT□-□C (K).

Note: 1. The spring operation mechanism with outgoing line include the functions of the fuse tripping, manual tripping knob. In addition, it can include tripping coil and overcurrent tripping coil.

2. If users order electric spring operation mechanism, please note the rate of voltage (such as DC220, DC110, DC48, DC24)

3. If users need the shunt trip coil, please specify the rate of the voltage, or it is recognized the same voltage level as the electric operating motor.

CT□ operation handle 5WXJ.253.027



■ Characteristic: CT operating handle is used to operate spring operating mechanism of FL(R)N36-12D load switch

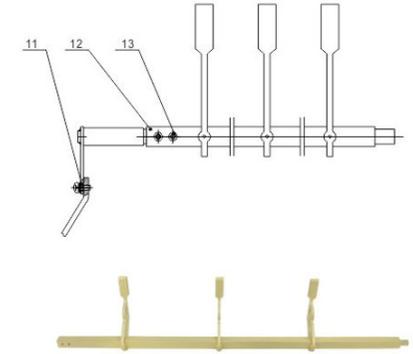
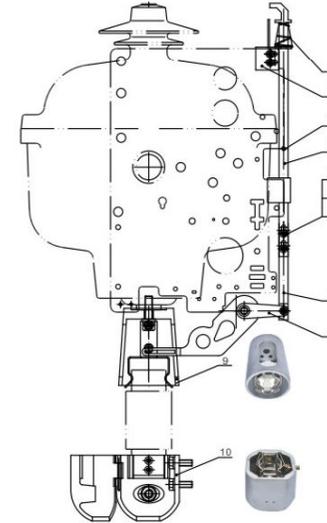
Lower interlocking equipment 5WXJ.362.007



■ Characteristic: It is used to link mechanism, body and lower door interlock.

Fuse tripping installation

■ Fuse tripping installation: FLN.5XJ.174.080



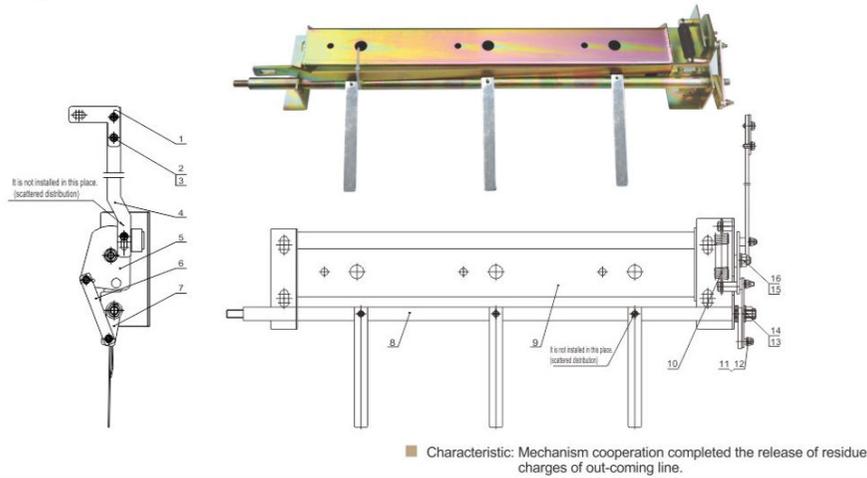
■ Characteristic: Fuse device makes out-coming mechanism sub-lock when the fuse tube is fusing.

FLN.5XJ.174.080 program for fuse tripping installation

No.	Item	Code	Qty	ramark
1	Returning spring	8XS.288.083F	1	
2	Upper fixed board	FLN.8XJ.100.081	1	
3	Linking board	FLN.8XJ.174.078	1	
4	Gasket	GB93-1987	5	
5	Hexagon socket pan head screws M5*12	GB/T 2672-2004	5	
6	Plain washer-A rate5	GB/T97.1-2002	5	
7	Tripping indication board	FLN.8XJ.174.079	1	
8	Tripping dowel steel group	5XS.233.002F	1	
9	Upper fuse base assembling	FLN.5XJ.045.005	3	
10	Lower outcoming base assembling	5XS.104.010F	3	
11	Bushing	8XS.263.017F	2	
12	Tripping bar assembling	FLN.5XJ.174.079	1	
13	Hexagon socket head cap screws M5*20	GB/T 70.1-2000	2	

Lower grounding interlocking mechanism

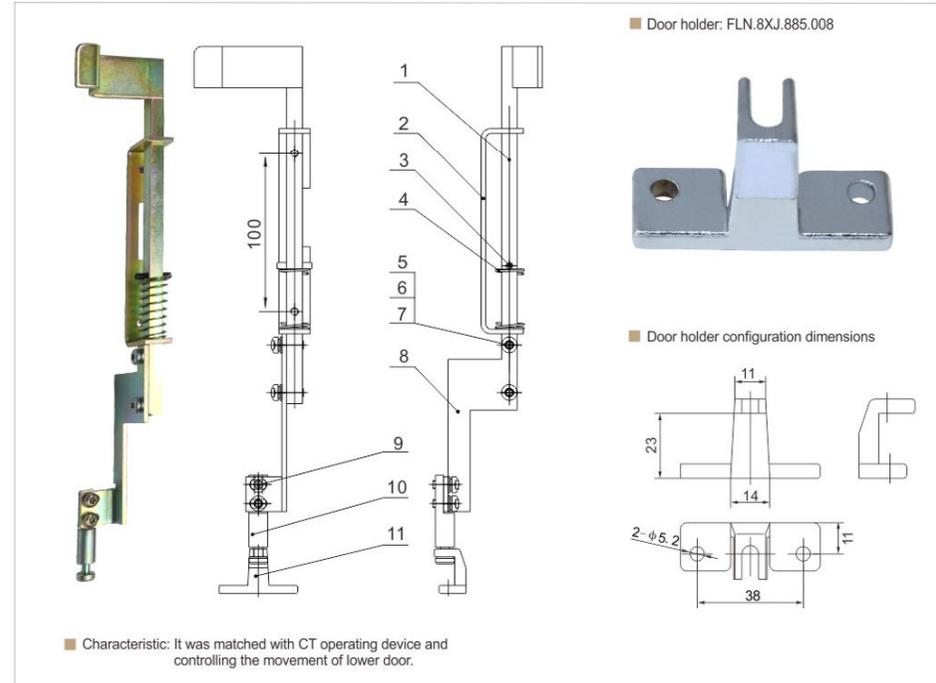
■ Earthing interlock device: FLN.5XJ.363.016



Program about lower grounding interlocking mechanism

No.	Item	Code	Qty	ramark
1	Linking board	FLN.8XJ.135.082	1	
2	Hexagonal head bolt	GB/T5783-2000	2	
3	Plain washer-A rate 5	GB/T97.1-2002	2	
4	Grounding long pulling bar	FLN.8XJ.137.010	1	
5	Lower grounding interlocking welding	FLN.5XJ.143.001	1	
6	lower grounding pulling bar 2	FLN.8XJ.137.012	1	
7	lower grounding board welding	FLN.5XJ.150.038	1	
8	lower grounding steels	FLN.5XJ.566.002	1	
9	installation rack	FLN.5XJ.042.001	1	
10	grounding interlocking spring	FLN.8XJ.288.055	1	
11	1 type nonmetal insert hexagon jum nut M6	GB/T 889.1-2000	3	
12	Plain washer A rate 12	GB/T97.1-2002	3	
13	1 type nonmetal insert hexagon jum nut M12	GB/T 889.1-2000	1	
14	Plain washer A rate 12	GB/T97.1-2002	3	
15	1 type nonmetal insert hexagon jum nut M10	GB/T 889.1-2000	1	
16	Plain washer A rate 10	GB/T97.1-2002	1	

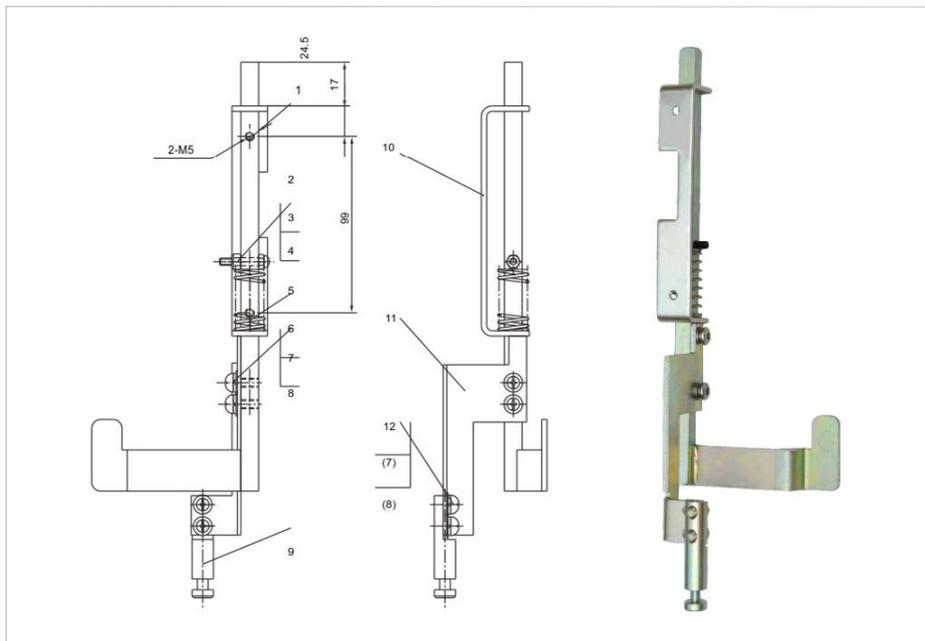
Lower door interlocking assembling: FLN.5XJ.362.016



Program about Lower door interlocking assembling: FLN.5XJ.362.016

No.	Item	Code	Qty	ramark
1	slider bar welding	FLN.5XJ.174.081	1	
2	lead tail	FLN.8XJ.260.051	1	
3	elastic cylindrical pin-straight slots-heavy type 4*22	GB/T 879.1-2000	1	
4	returning spring	FLN.8XJ.282.095	1	
5	hexagon lobular socket pan head screw M5*16	GB/T 2672-2004	2	
6	standard spring washer 5	GB/T 93-1987	4	
7	plain washer A rate 5	GB/T97.1-2002	4	
8	pulling board	FLN.8XJ.137.009	1	
9	hexagon lobular socket pan head screw M5*12	GB/T 2672-2004	2	
10	pulling bar	FLN.8XJ.174.082	1	
11	door holder	FLN.8XJ.885.008	1	

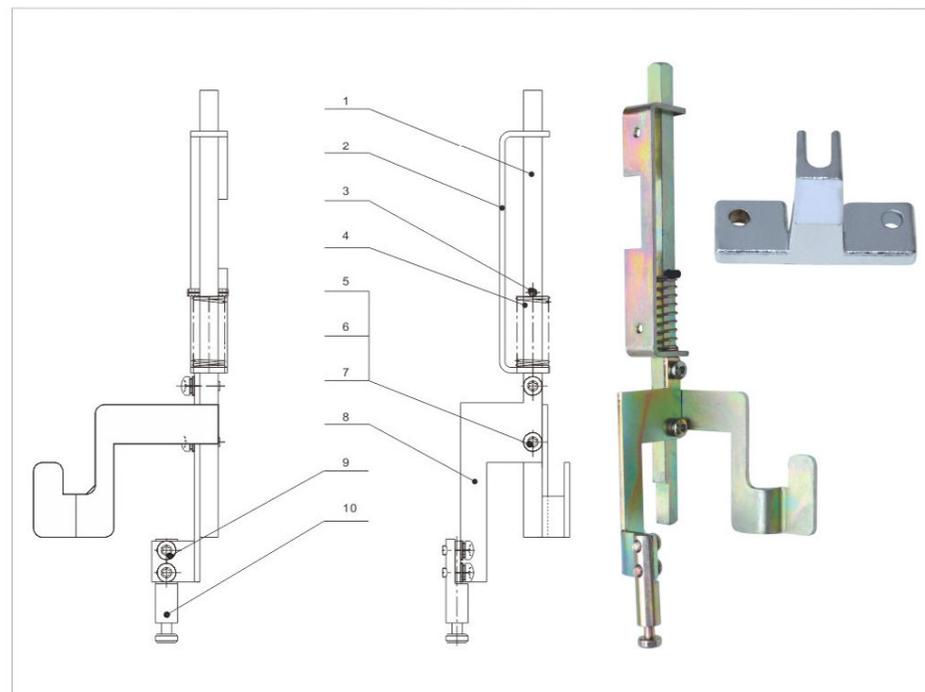
Two-procedure lower interlocking assembling (incoming line) FLN 5XJ.363.295



Assembling table of two-procedure lower interlocking assembling (incoming line) FLN 5XJ.363.295

No.	name	symbol	amount	remark
1	linking bar welding	5WXJ.206.293MS	2	
2	M4*25 crossed pan head screw	GB/T 818-2000	1	
3	M4 nut	GB/T 5781-2000	1	
4	M4 self-locking nut	GB/T 6184-2000	1	
5	Pressure spring	8WXJ.282.291MS	4	
6	M6*15 button head screw	GB/T 818-2000	4	
7	6 plain washer	GB 93-87	2	
8	6spring	GB 95-85	1	
9	Linking shaft	8WXJ.206.293MS	1	
10	Linking board	8WXJ.135.301MS	1	
11	Plate	8WXJ.135.300MS	1	
12	M6*10 button head screw	GB/T818-2000	1	

Two-procedure interlocking assembling (outcoming line) FLN.5XJ.363.296



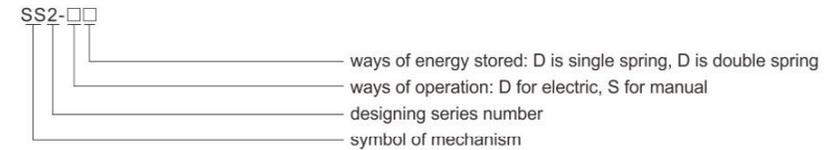
Assembling table of two-procedure interlocking assembling (outcoming line) FLN.5XJ.363.296

No.	name	symbol	amount
1	linking bar welding	FLN.5XJ.206.294	1
2	lead rail	FLN.8XJ.260.051	1
3	elastic cylindrical pin-straight slots-heavy type 4-22	GB/T 879.1-2000	1
4	returning spring	FLN.8XJ.282.095	1
5	hexagon lobular socket pan head screw M5*16	GB/T 2672-2004	2
6	standard spring washer 5	GB/T 93-1987	4
7	plain washer A rate 5	GB/T97.1-2002	4
8	pulling board	FLN.8XJ.137.009	1
9	hexagon lobular socket pan head screw M5*12	GB/T 2672-2004	2
10	pulling bar	FLN.8XJ.174.082	1



XINGJI ELECTRIC
OPERATING MECHANISM

Model meaning



Range of appliance

SS2-D□ spring single coil operation mechanism is the operation mechanism of FLN36B-12D/T630-25 indoor alternation high voltage SF6 load switch. It is applicable for XGN15-12 fixed AC metal enclosed switch cabinet, specially used for the operation of the load switch in the compact prefabricate substation.

Operation instruction

Spring single mechanism has three position operation of controlling opening, closing and grounding for the load switch. The angle of the mechanism output shaft is "80° +80° ". When it is opening, clockwise rotation for 80° , and the load switch is closing, on the contrary, anticlockwise rotation for 80° , and the grounding switch is closing.



■ SS2-SD Manual spring single mechanism

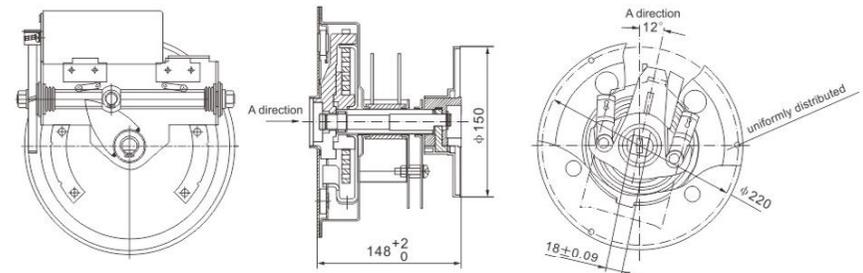


■ SS2-SD Electric spring single mechanism



■ 3XS.820.002F Spring single electric part

SS2-□D boundary dimensions and installation dimensions



■ Note: If you have any special needs about closing and opening velocity, please give clear indication when ordering.

SS2 novel spring mechanism



■ SS2-SS Novel manual spring mechanism ■ SS2-DS Novel electric spring mechanism ■ 3XS.882.001F Spring double electric part

The range of appliance

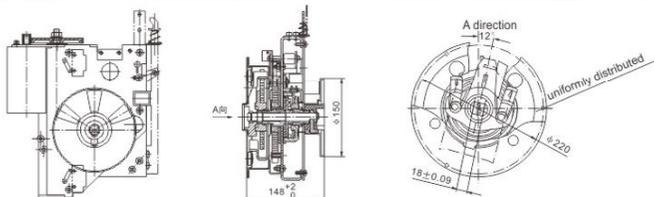
SS2-□S double spring operating mechanism is the operating mechanism of FLRN36B(48)-12D/T100-31.5 indoor AC high voltage SF6 load switch-fuse combination electrical apparatus. It is applicable for XGN15-12 fixed AC metal enclosed cabinet, and it can ensure the safety of the electrical apparatus under total operating model.

Operating instruction

Except the same functions of SS2-□D single spring operating mechanism, Double spring operating mechanism adds a fuse tripping mechanism according to the combination electrical apparatus, leading load switch opening, when fuse is breaking.

Attention: If changing the same fusion tube for the fuse breaking, please plug the operating handle into the operating hole of the mechanism, anticlockwise rotation, making the transmission of mechanism reset with smaller force, and then, operate by the operating process of the cabinet.

SS2-□S boundary dimensions installation dimensions and technical parameter

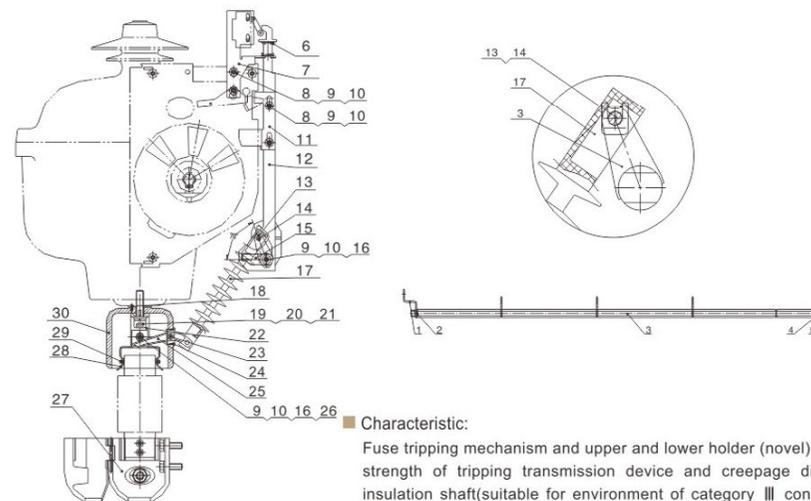


■ Note: If you have any special needs about closing and opening velocity, please give clear indication when ordering.

No.	program name	unit	value
1	rated voltage(motor)	V	DC220V/, 110V, 48V, 24V
2	electric operation (energy stored) time	S	≤10
3	average closing speed(with body)	m/s	4.5±1.5
4	average opening speed(with body)	m/s	4.5±1.5
5	the max torque of manual operation	N.m	≤130
6	the max time of activating the release	ms	50-60
7	the power of hitting the release	J	2-5
8	mechanism endurance of the load switch	times	5000
9	mechanism endurance of the grounding switch	times	2000
10	the max attitude of equipment installation	m	2000
11	the max temperature	°C	40
12	the lowest temperature	°C	-25

Fuse tripping mechanism upper and lower holder (new) boundary dimensions

■ Fuse tripping mechanism and upper and lower holder (novel) 3XS.084.003F



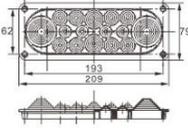
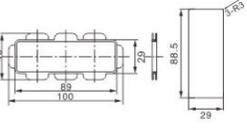
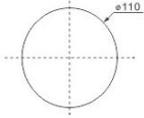
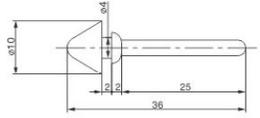
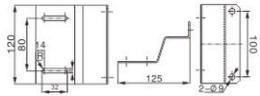
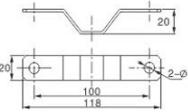
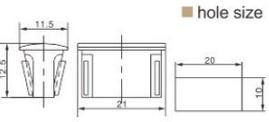
Characteristic:

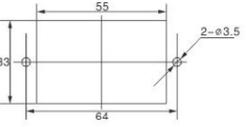
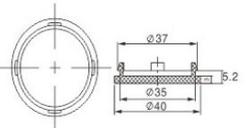
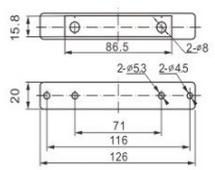
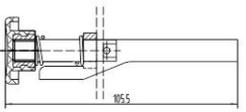
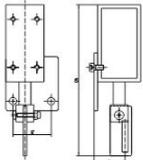
Fuse tripping mechanism and upper and lower holder (novel) enhances strength of tripping transmission device and creepage distance of insulation shaft(suitable for environment of category III contaminative area). It is suitable for SS2-SS novel manual spring mechanism or Spring double electric operating mechanism.

Assembling table of fuse tripping mechanism upper and lower holder (new) 3XS.084.003F

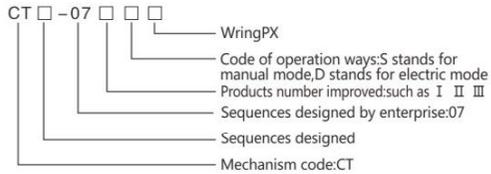
No.	name	symbol	mount	number	name	symbol	mount
1	bracket	8XS.043.052F	1	16	screw M6*16	GB2672-1986	7
2	bearing sleeves	8XS.263.025F	1	17	insulation pulling bar	8XS.743.004F	3
3	tripping transmission	5XS.206.078F	1	18	pin 3*8	GB/T119.1-2000	6
4	shaft welding	GB/T879.1-2000	1	19	scrow M10*40	GB/T70.1	3
5	tripping shaft	8XS.205.027F	1	20	washer 10	GB93-1987	3
6	returning spring	8XS.288.083F	1	21	washer 10	GB/T97.3-2000	3
7	upper fixed board	8XS.100.059F	1	22	wire board	8XS.150.033F	3
8	screw M6*12	GB2672-1986	4	23	pin 5*12	GB/T119.1-2000	3
9	washer 6	GB93-1987	11	24	fixed frame	8XS.087.001F	3
10	washer 6	GB/T97.3-2000	11	25	crutch	8XS.151.059F	3
11	dial plate	8XS.150.034F	1	26	nut M6	GB/T6170-2000	6
12	linking board	8XS.135.077F	1	27	lower out coming holder	5XS.104.010F	3
13	blocking card	DK-6	6	28	assembling plum contact	8XS.559.010F	3
14	pin shaft	8XS.205.028F	3	29	contact spring	8XS.288.036F	3
15	Crutch	8XS.151.060F	1	30	upper contact	8XS.045.005F	3

SF6 sing-network cabinet matching equipments

No.	the name and type of products	installation dimensions and sketches	Features
1	 outcoming box : 8WXJ.354.010.M		protecting the secondary of the top of outcoming cabinet
2	 secondary line sheath : 8WXJ.211.092M		protecting the secondary of side of outcoming cabinet
3	 tower-shaped sealing rings		protecting incoming-outcoming line
4	 cushion : 8WXJ.764.010M		when close the door there is a cushion to protect it
5	 wire bracket installing board : 8WXJ.161.093M		bracket of installation wire
6	 wire bracket : 8WXJ.161.090M		bracket of fixed wire
7	 opening-closing indication windows : 8WXJ.402.013M	 hole size	installing dashboard on door for watch the closing opening of switch easily

No.	the name and type of products	installation dimensions and sketches	Features
8	 monitor with electric		installing dashboard on the door to watch the closing, opening easily
9	 tag : 8WXJ.860.034M		
10	 watching windows : 8WXJ.402.291M		application of watching the position of switch contact
11	 handle : 5WXJ.253.017		handle of the lower door of cabinet
12	 the assembling of manual opening button : 5XS.732.003F		matching parts
13	 the assembling of 48 type shunt coil		to order, please remark the volt-age of coil: DC220V, 1007, 110V, 48V, 24V

Model composition and meaning



Description

CT□-07D(S) (D stands electric mode, S stands for manual mode) spring operating mechanism meets the technical requirements of GB1984-2003 high voltage alternation breaker. It can be adaptive to ZN-12T/T630-20 series products. This mechanism has reclosing function and small volume (or dimension). Rated voltage: DC220V, 110V, 45V, 24V. The output angle is about 87°. Mechanism endurance: 10000 times.

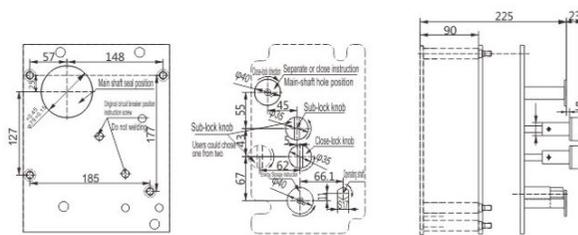
Electric spring mechanism :CT□-07

Electric spring mechanism :CT□-07(FZ)PX

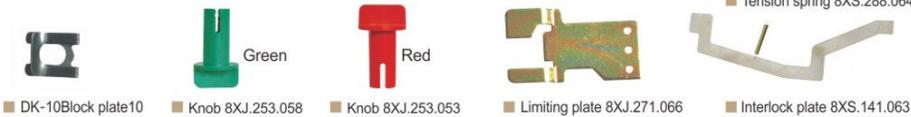


Note: FZ means auxiliary block in the left.

Electric spring mechanism: CT□-07 boundary dimensions diagram

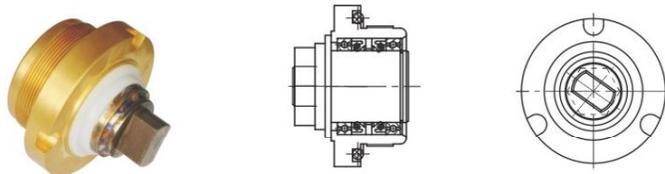


Electric spring mechanism :CT□-07(FZ)PX auxiliary equipments



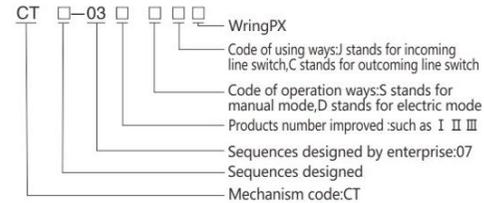
Seal bush assembling: CT□-07 body auxiliary equipments

Seal bush assembling: 5XJ.210.169



Note: applicable for CT-07 mechanism and body transmission

Model composition and meaning



Description

The CT type spring operating mechanism assembled for XGN-12D is assembling equipment with medal closed switch whose rated voltage is 12kv. This series mechanism adopts the spiral spring to control the operation of loading switch. The operational grounding is controlled by pressing spring half. The working states conclude three stations of closing, tripping, grounding. The mechanical latch is assembled between closing and grounding to avoid fault operations.

CT□-03□J spring operating mechanism

XGN□-12(F) manual mechanism
Type: CT□-03SC



XGN□-12(F) electric mechanism
Type: CT□-03DC PX



CT□-03SC/DC mechanism operating instructions

Mechanism energy holding :

Put the mechanism assembled in the body, use the specified operating handle, plug in the top part of mechanism (closing operating shaft), clockwise rotation for about 120°, complete the movement of mechanism spring energy holding, or electric energy storage by electric operating motor.

Closing operation

Enter the closing button or electrify electric operating closing coil (one energy holding spring), the spring energy is released, lead the body to closing, the primary circuit on.

Opening or (fuse) tripping operation:

Enter opening button (or simulation fuse tripping) or electrify the electric operating tripping coil, another spring energy is released, lead the body to opening, the primary circuit break.

Grounding closing operation:

Operating handle plug in the bottom of the mechanism (grounding operating shaft), clockwise rotation for about 90°, body is grounded by mechanism spring force, primary circuit closing.

Grounding tripping operation:

Plugging operating handle in the bottom of mechanism (grounding operating shaft), anticlockwise rotation for about 90°, body is grounded by mechanism spring force, the circuit tripping.

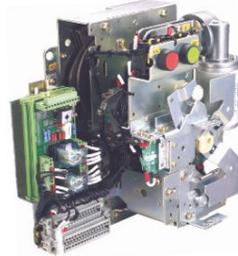
There are mechanical latch between closing tripping and grounding operating. During the tripping (insulation) state, it can operate the closing or grounding. Once one succeeds, the other will be prevented.

CT□-03□J spring operating mechanism

■ XGN□-12(C) manual mechanism
Type: CT□-03SJ



■ XGN□-12(C) electric mechanism
Type: CT□-03DJ PX



CT□-03SJ/DJ instructions and operating specifications

Fixing the mechanism on the body, using the specialized operating handle, plugging the top of the mechanism (closing operating shaft), clockwise rotation for about 90°, the body and the circuit is closed by the spring force, Or entering the closing button for electric operating, electrifying the motor, all these complete the switch closing operation.

Tripping operation:

Plugging operation handle in the top of the mechanism (closing operation shaft), anticlockwise rotation for about 90°, primary circuit is tripped by mechanism spring force, or enter the tripping button, the motor electrified lead the mechanism complete the tripping operation.

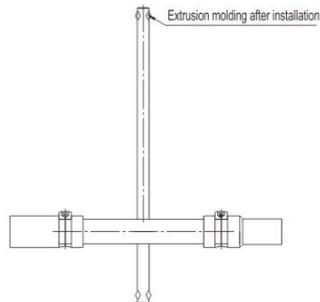
Grounding closing operation:

Plug the operation handle in the bottom of the mechanism (grounding operation shaft), clockwise rotation for about 90°, the grounding circuit is closed by the mechanism spring force.

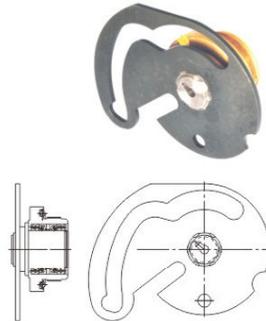
Grounding tripping operation:

Plugging the operation handle in the bottom of the mechanism (grounding operation shaft), anticlockwise rotation for about 90°, the grounding circuit is tripped by the mechanism spring force.

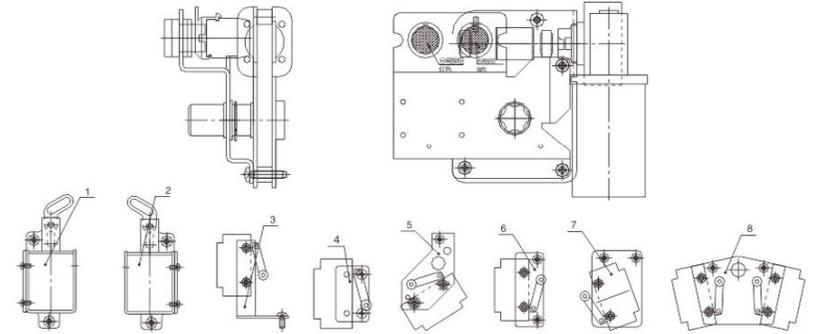
■ Operating handle boundary dimensions
Diagram code: XGN.5XJ.253.030



■ Toggling pate assembling
Diagram code: XGN.5XJ.151.161



CT□-03□C electric parts of operating mechanism



■ The program about CT□-03□C electric parts of operating mechanism

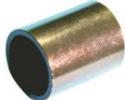
No.	name	symbol	amounts	remarks
1	Opening coil assembling	XGN. 6XJ.610.002	1	
2	Closing coil assembling	XGN. 6XJ.610.001	1	
3	Mounting panel(fuse contact) assembling	XGN. 5XJ.062.010	1	For cabinet
4	Mounting panel (manual, electric toggling switch)	XGN. 5XJ.062.013	1	
5	Mounting panel (energy storage indication) assembling	XGN. 5XJ.062.008	1	
6	Mounting panel (energy storage switch) assembling	XGN. 5XJ.062.011	1	
7	Mounting panel (cable vault door) assembling	XGN. 5XJ.062.009	1	For cabinet
8	Mounting panel (position switch) assembling	XGN. 5XJ.062.012	1	

CT□-03 operation mechanism&Other accessories

No.	symbols	names	remarks
	XGN.5XJ.271.005	Limit block assembling	A latch that makes mechanism not close when the lower door is not equipped
	XGN.5XJ.261.013	Door slider assembling	A latch that makes lower door complete opening operation when mechanism is in grounding state
	XGN.5XJ.885.001	Door holder components	A panel in the front of mechanism that open the mechanism when CT□-03□C mechanism is in grounding state
	XGN.5XJ.271.004	Limit block assembling	A connection between mechanism and cabinet, equipping mechanism on the cabinet.

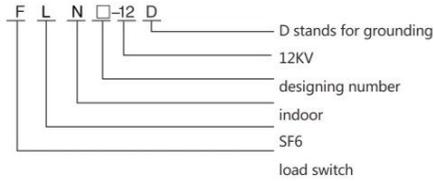
Pictures	Code	Name
	XGN.8XJ.132.005	stanchion
	XGN.5XJ.132.001	stanchion assembling
	XGN.8XJ.062.028	mounting plate
	XGN.8XJ.043.086	lower door holder
	XGN.8XJ.043.085	holder
	8WXJ.940.686C	injection hole of welder nut
	8WXJ.062.700C	wire clip mounting plate

Pictures	Code	Name
	8WXJ.100.680C	fixed plate
	8WXJ.260.680C1-6	upper lead
	8WXJ.260.682C1-6	middle lead rail
	8WXJ.260.681C1-6	lower lead rail
	XGN.2XJ.099.004	auxiliary grounding switch assembling
	8WXJ.550.686C	fanshaped contact
	XGN.5XJ.150.051	plate assembling (stay cord by yourself)
	8WXJ.128.680C	insulated terminal pressboard

Pictures	Code	Name
	8WXJ.920.683C	door bolt
	8WXJ.940.689C	fuse tube pressplate bolt
	8WXJ.268.681C	fuse tube pressboard sleeve
	8WXJ.286.800W	plate gasket
	5WXJ.325.680C	anti-explosion valve
	8WXJ.940.687C	grounding welder nut
	8WXJ.940.688C	sleeve pressboard bolt

Pictures	Code	Name
	8WXJ.268.680C	sleeve pressboard sleeve
	8WXJ.218.680C	wire closing ring
	8WXJ.860.689C	three-phase label
	8WXJ.860.682C	fuse tripping label
	8WXJ.866.680C	fuse tube operating instruction
	8WXJ.866.682C	cable vault
	8WXJ.860.683C	drilling resistant sign
	8WXJ.860.681C	energy stored sign
	8WXJ.860.680C	electricity sign

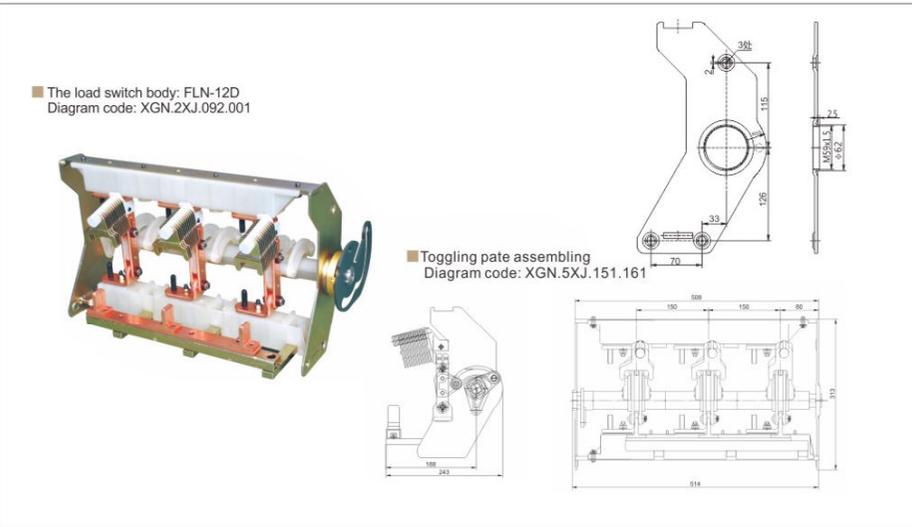
Model composition and meaning



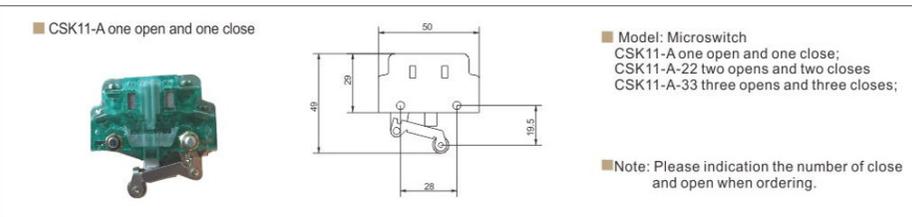
Description

FLN□-12D products conform to the technical requirements of the GB3804-2004 <<3.6kv~40.5kv high voltage alternation load switch. Primary circuit: 630A-20kA(4s) 25kA(3s) Mechanism endurance: 50000 times, Grounding circuit: 20kA(2s), Mechanism endurance: 2000 times.

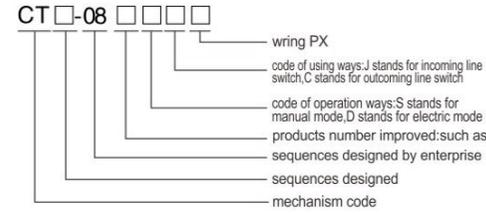
The load switch body



Microswitch



Model composition and meaning

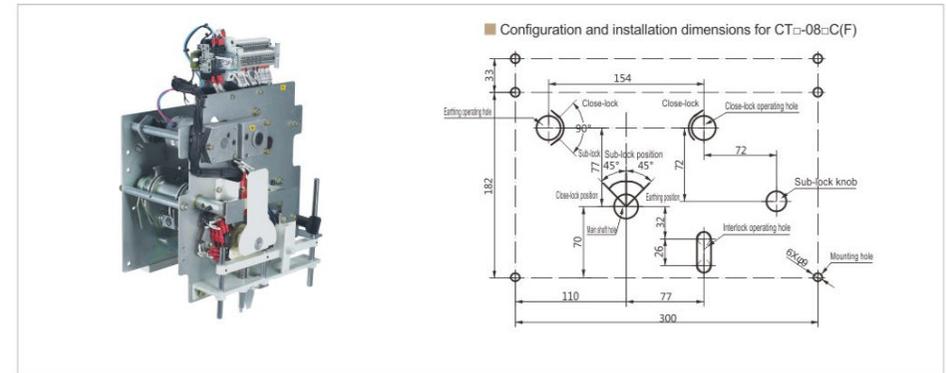


Note: Incoming line operating device has tripping function of fuse.

Description

CT□-08 spring operation mechanism is used to be the corollary equipment of XGN□-12/T630-25 and XGN□-12/T125-31.5 indoor high voltage SF6 load switch, with rated voltage of 12kv. The series is according to the principle of the spring released during passing half. There are three stations of closing, tripping and grounding. It is characterized for its medium volume, convenient equipment appliance and strong adaptability. There are the function of the fuse tripping, the shunt trip coil and overload current trip coil. The mechanism conforms to the relevant requirements of the GB3804-2004 <<3.6KV~40.5KV high voltage alternation load switch>>, GB16926-1997 <<alternation high voltage load switch-fuse combination unit>>.

CT□-08□C(F) spring operation mechanism



The mechanism operating instruction of CT□-08□SC/DC

The closing operation of the load switch

Install and fix the mechanism to the body, use the specialized operating handle, plug into the mechanism closing shaft (right), clockwise rotation until the closing spring complete the process of energy storage to energy released (There is a preventing rotary equipment, safe and less effort). The mechanism make the contact rotary quickly that complete the closing operation of load switch. At the same time, being ready for opening by energy storage, or motor electrified lead the mechanism complete the closing operation.

Opening operation of the load switch

Only rotating the tripping rotary knob (clockwise rotation), making the energy of the tripping spring released, mechanism leads the principal shaft to complete the tripping operation quickly.

Grounding closing operation of the load switch

Plugging operating handle into grounding operating shaft(left) anticlockwise rotation for 90°,the grounding circuit close.

Grounding opening operation of the load switch

Rotating operating handle anticlockwise for about 90°,the grounding circuit is tripped by the mechanism spring force.

Note: 1. The spring operation mechanism with outgoing line include the functions of the fuse tripping, manual tripping knob. In addition, it can include tripping coil and overcurrent tripping coil.

- If users order electric spring operation mechanism, please note the rate of voltage (such as DC220, DC110, DC48, DC24)
- If users need the shunt trip coil, please note the rate of the voltage, or it is recognized the same voltage level as the electric operating motor.

