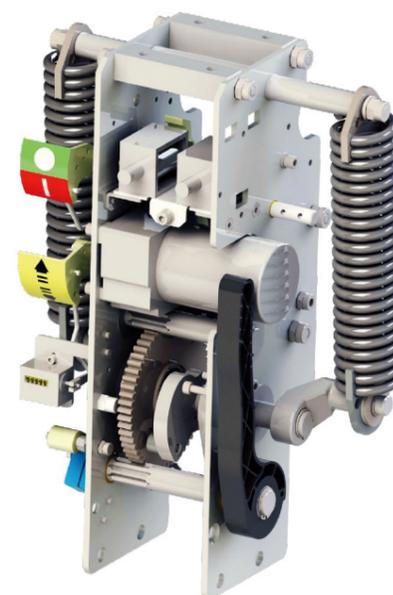
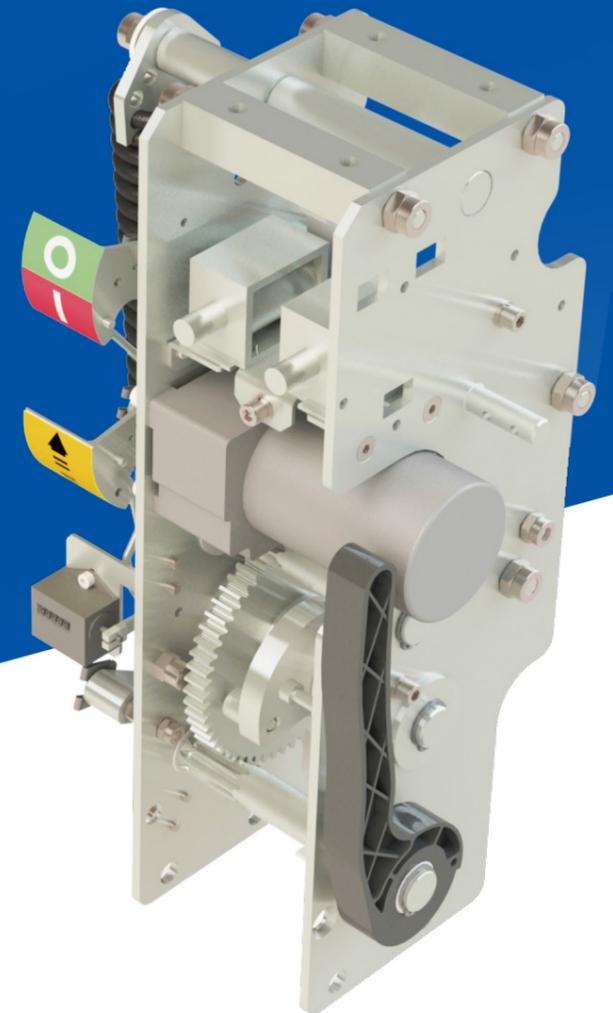


SKM-12

metal clad
switchgear
mechanism



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INTRODUCTION

公司简介

兴机电器集团有限公司成立于 2006 年，是研发、生产、销售配电开关元器件及提供专业整体解决方案的高新技术企业。公司先后获得国家专精特新“小巨人”企业、浙江省隐形冠军企业和温州市领军企业等荣誉称号，建有省级企业研究院、省级博士后工作站和 CNAS 实验室。现拥有国家授权专利 178 项，其中发明专利 28 项。

兴机电器集团历经多年的发展，环网开关操动机构技术领先，中压开关柜配件占市场主导地位。产品出口覆盖四大洲 14 个国家，并与世界 500 强跨国电气巨头 ABB、施耐德、西门子、伊顿、特锐德、三菱、阿海珐建立了忠诚的合作伙伴关系，已成为电器配件行业的领导品牌。

公司秉承“脚踏实地，稳步发展”的经营理念，持续“智能、自动、数字、绿色”的发展思路，践行“诚信、务实、创新、高效”的核心价值观，全力建设引领新智造发展的未来工厂，精心“打造中国一流电器配套件专业制造商”，努力“让中国开关产品达到世界领先水平”。

Established in 1989, Xingji Electric Group Co., Ltd. is a high-tech enterprises focusing on the research, development, production and sales of power distribution switch components and provide professional integrated solutions. The company has been awarded the honorary titles of National specialized and special “Little Giant” enterprise, Invisible Champion Enterprise of Zhejiang Province and Leading Enterprise of Wenzhou City, etc. It has built provincial enterprise Research Institute, provincial postdoctoral workstation and CNAS laboratory. Now it has 178 national authorized patents, including 28 invention patents.

After years of development, the ring network switch operating mechanism technology is leading, and the medium voltage switchgear accessories occupy a dominant position in the market. The products are exported to 14 countries and 4 continents, and it has built up bonds of loyal partnership with the world's top 500 multinational electrical giants ABB, Schneider, Siemens, Eaton, Tgood, Mitsubishi Group, Areva, and has become a pioneering brand in the electrical accessories industry.

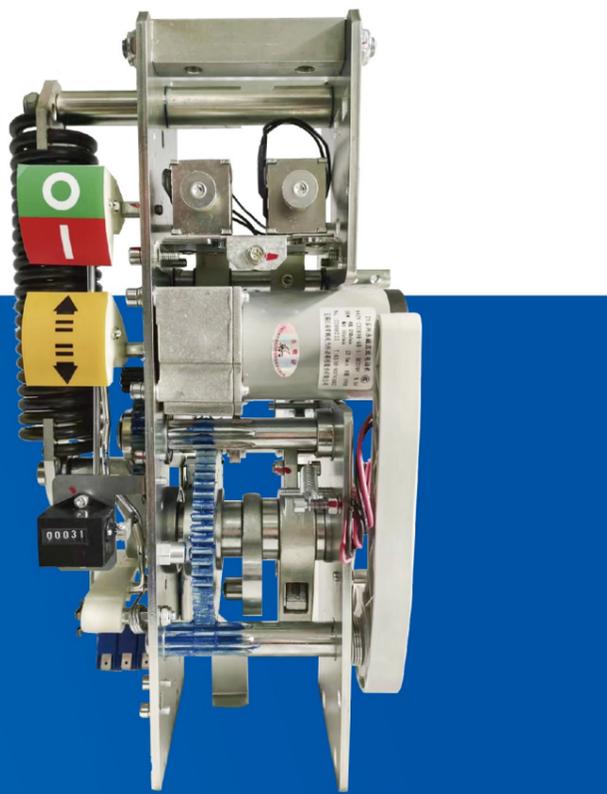
Adhering to the business philosophy of “down-to-earth, steady development”, keeping up with the technology trend, continuous research and innovation, upholding the development concept of “green, intelligent, automatic, digital”, the company has fully implemented the ERP system management, spare no effort to build a smart factory leading the development of new intelligent manufacturing, and carefully build “China's first-class professional manufacturer of electrical accessories”, striving to “let China switch products reach the world's leading level”.



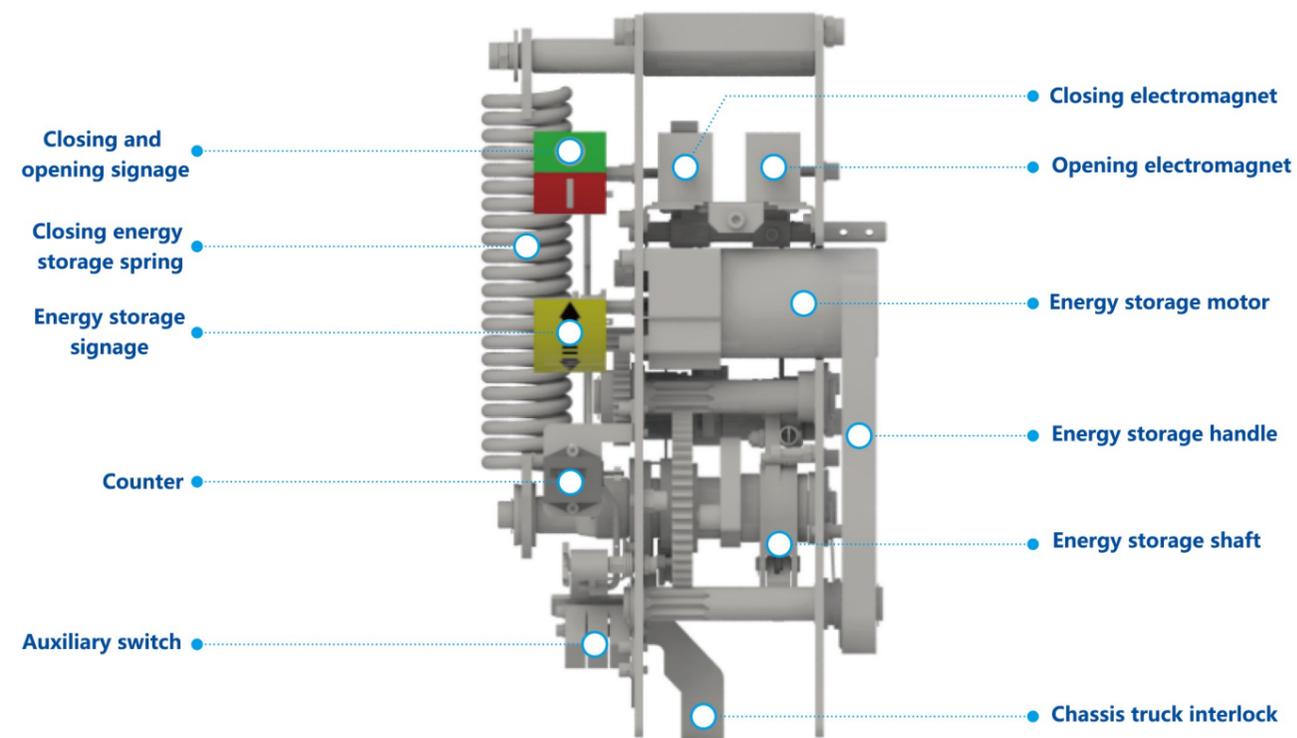
Yaoze SKM-12 Circuit Breaker Modular Mechanism

Product Characteristics

1. The operating mechanism adopts an innovative modular design.
2. Optional phase and pole distance to meet a variety of special needs.
3. Stable electrical performance, high reliability, mechanical life ≥ 30000 times.
4. The operating mechanism can be equipped with a mechanical characteristics on-line testing system. Protects your safety at all times.



二 · Mechanism outline dimensions



Product Introduction

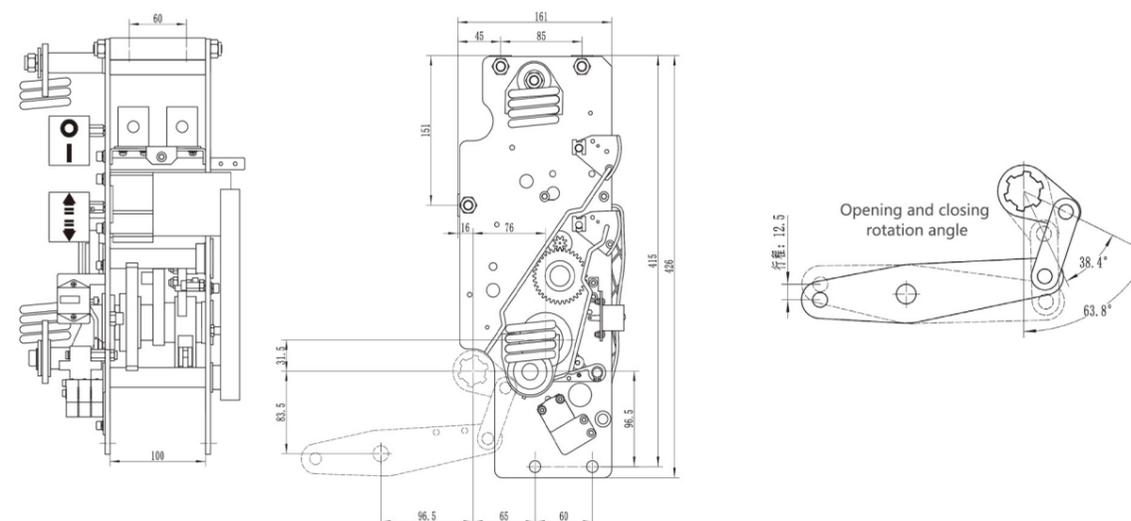
The spring operating mechanism and the frame adopt independent design, which can be used as a fixed mounted unit or a chassis truck unit. It has the advantages of long service life, simple maintenance, no pollution, no explosion danger, low noise, etc., and it is suitable for frequent operation and other relatively harsh working conditions.

— · Type meaning

SKM 1 - 12 - □ / □

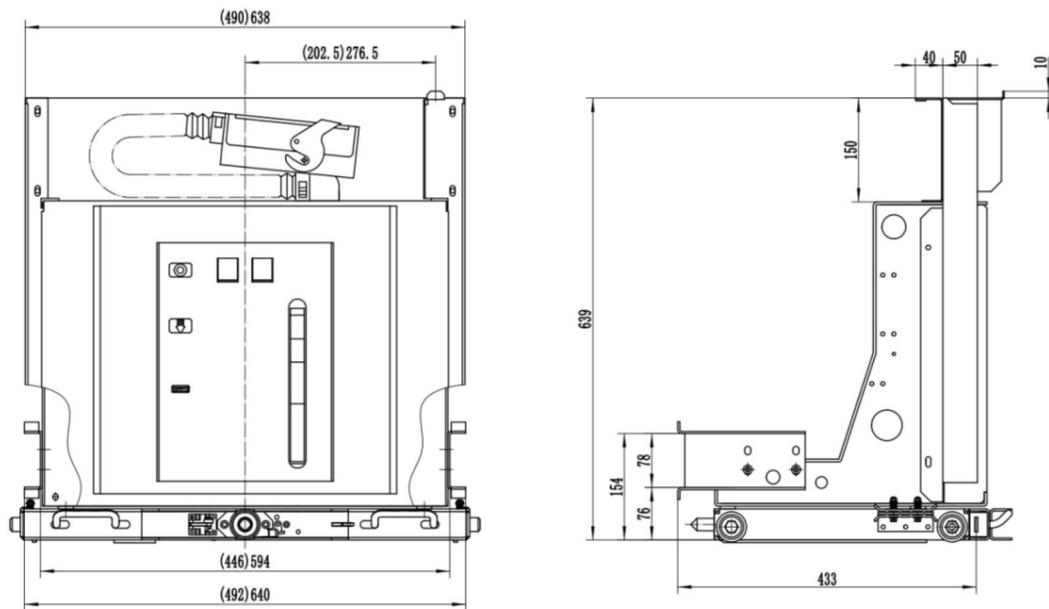
- Motor voltage
- Phase distance 150; 210; 275
- Rated voltage
- Design number
- Company code

Outline diagram of the adaptable 650/800/1000mm cabinet wide circuit breaker mechanism

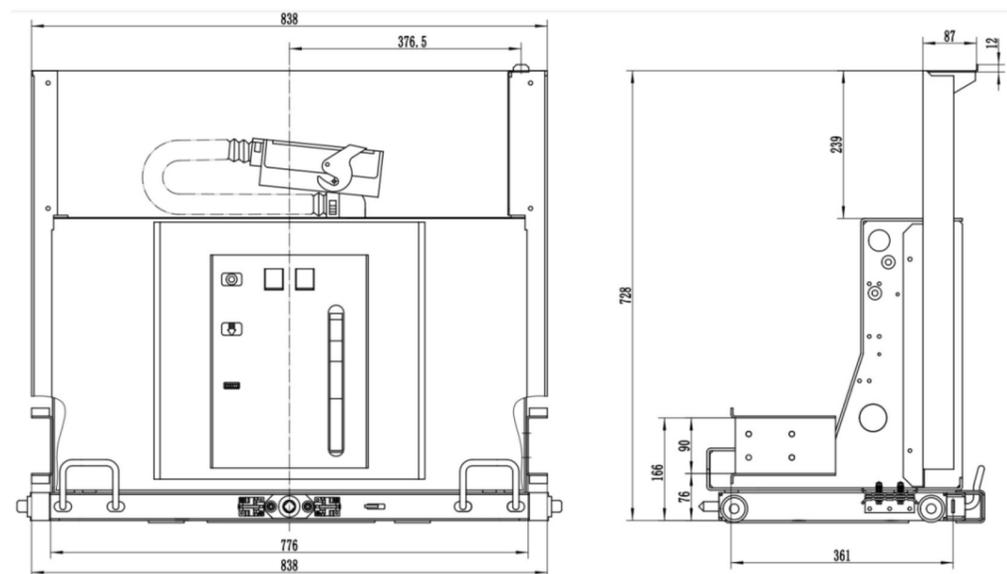


3.Frame Outline Drawing

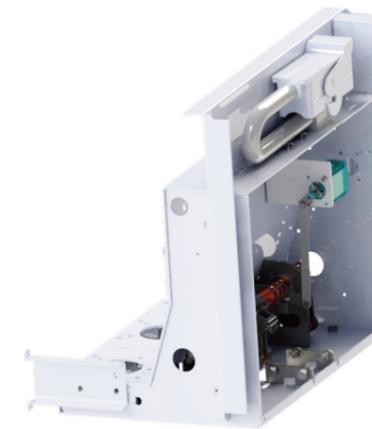
Outline diagram of the adaptable 650/800mm cabinet wide circuit breaker mechanism



Outline diagram of the adaptable 1000mm cabinet wide circuit breaker mechanism



4.Accessories List



VCB FRAME



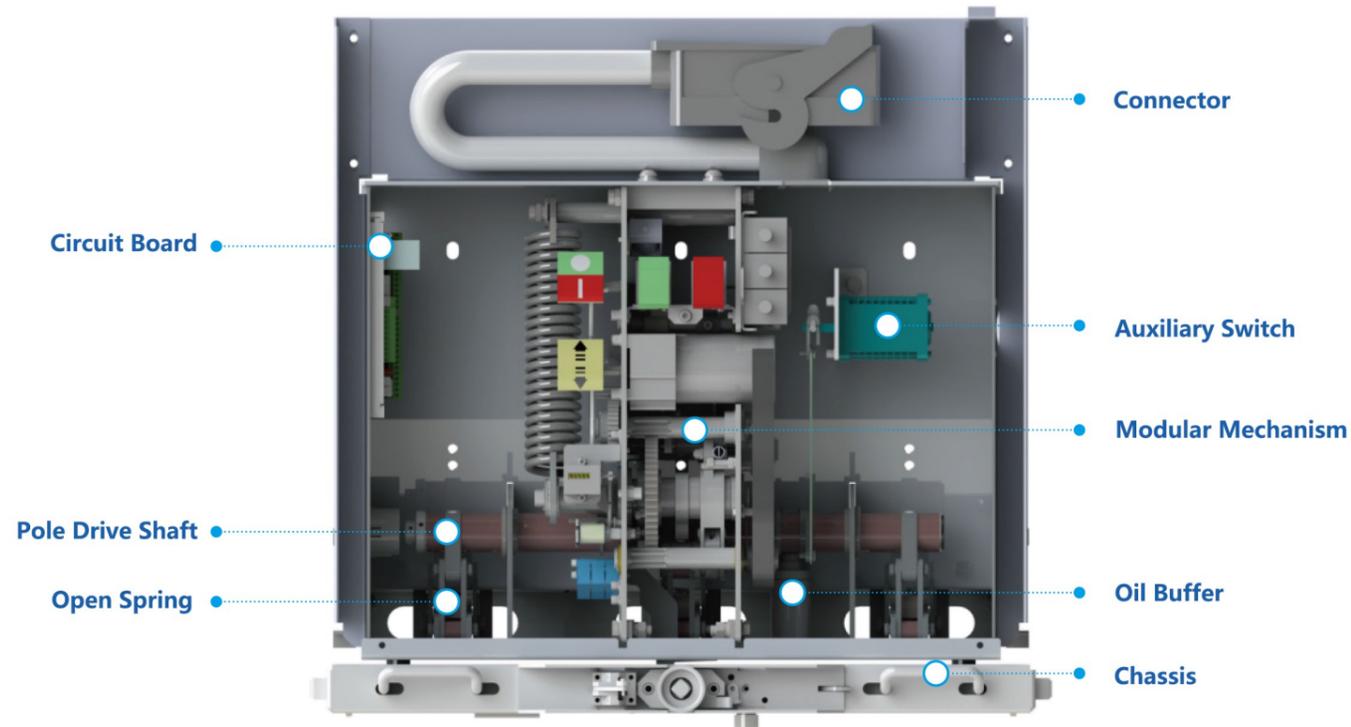
MODULAR MECHANISM



CHASSIS

NAME	PICTURE	WIDTH	ITEM CODE
MODULAR MECHANISM		650mm 800mm	SKM1-JG-800
MODULAR MECHANISM		1000mm	SKM1-JG-1000
VCB FRAME		650mm 800mm	SKM1-KJ-650 SKM1-KJ-800 SKM1-KJ-1000
CHASSIS (MANUAL OR MOTORIZED)		1000mm	SKD-4-650 (MANUAL) SKD-4-650/DD3 (MOTORIZED) SKD-4-800 (MANUAL) SKD-4-800/DD3 (MOTORIZED) SKD-4-1000 (MANUAL) SKD-4-1000/DD3 (MOTORIZED)

5.VCB without epoxy pole



5.Main Parameters Of Closing And Opening Electromagnets And Related Electrical Components

project	CLOSE electromagnet		opening electromagnet		latching electromagnet		Anti trip relay	
Rated voltage (V)	DC220	DC110	DC220	DC110	DC220	DC110	DC220	DC110
RATED CURRENT(A)	1.1	2.2	1.1	2.2	25mA		9.1mA	
rated power (W)	242	242	242	242	2.7		1	
Normal voltage range	85%-100% rated voltage	65% -120% of rated voltage, switch cannot open below 30% of rated voltage						

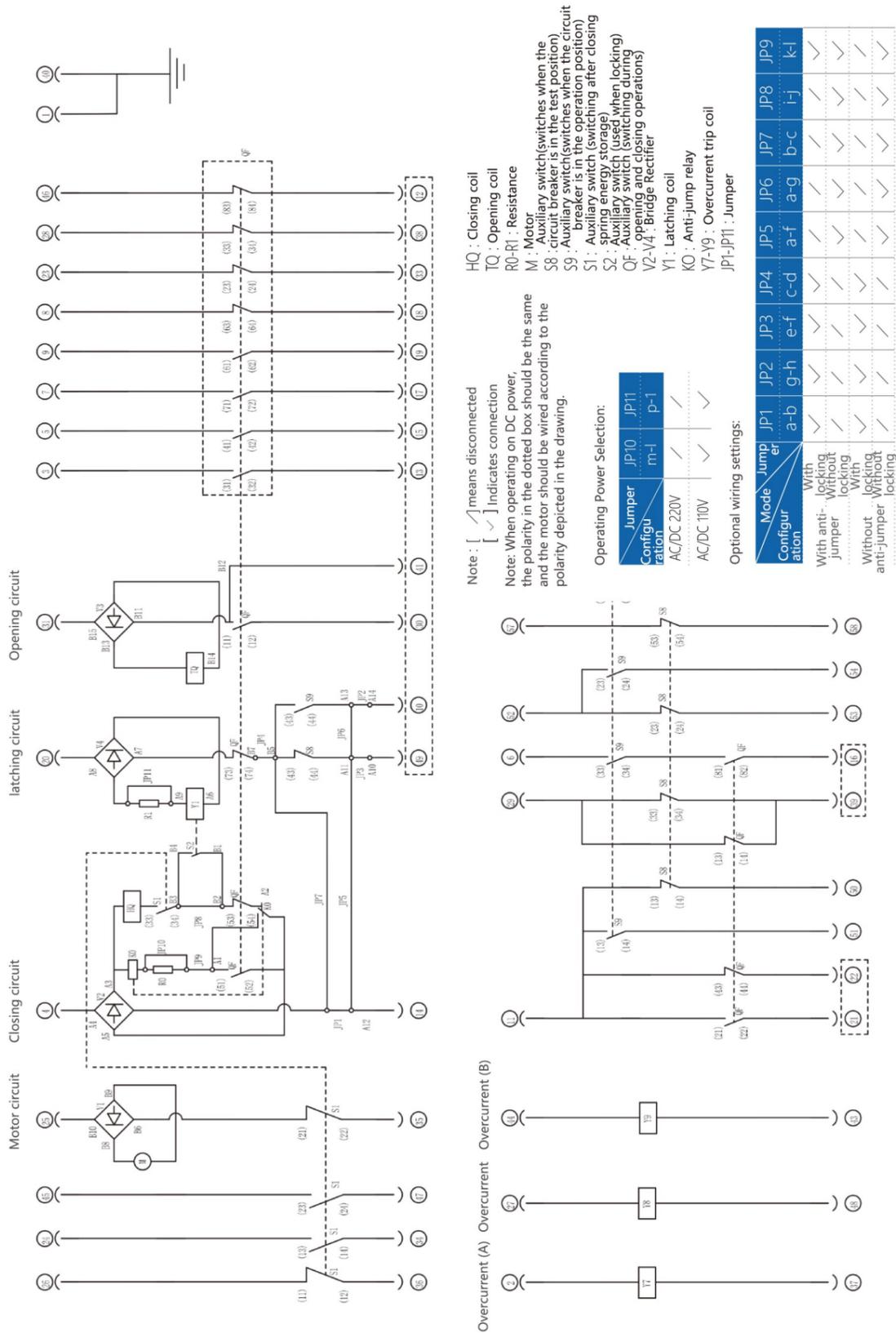
6.CHARGING MOTOR PARAMETERS

CODE	rated voltage (V)	rated power (W)	Normal voltage range	Rated voltage energy charging time (S)
64ZY-CJ□□-6B-1	DC110	90	85%-110% rated voltage	≤10
	DC220			

7. Main technical parameters

project	unit	parameter			
rated voltage	kV	12			
Maximum rated current	kV	12			
rated current	A	630	630	1250	1600
		1250	1250	1600	2000
				2000	2500
				2500	3150
				4000	
Rated short circuit breaking current	kA	20	25	31.5	40
Rated short-circuit making current	kA	50	63	80	100
Rated peak withstand current	kA	50	63	80	100
Rated short-circuit withstand current (4S)	kA	20	25	31.5	40
Rated Insulation Level	kV	Power frequency withstand voltage			
		42 (fracture48)			
		Impulse Withstand Voltage			
		75 (fracture85)			
Rated Operating Sequence		0-0.3s-CO-180s-CO			
Technical Life	order	20000			
Rated short-circuit breaking current breaking frequency	order	50			
Rated motor close voltage(DC)	V	110, 220			
Rated motor open voltage(DC)	V	110, 200			
contact distance	mm	9±1			
Contact stroke	mm	3.5±0.5			
Contact closing bounce time	ms	≤2			
Three phases different stages of opening and closing	mm	≤2			
Opening time	ms	≤50			
Closing time	ms	≤100			
Closing average time	m/s	1.1±0.2			
Opening average time	m/s	0.6±0.2			
Contact pressure	N	20kA	25kA	31.5kA	40kA
		2000	2400	3200	4750
Each phase circuit resistance	uΩ	60	50		

八·SKM-12 Vacuum Circuit Breaker wiring diagram



☆☆☆ Corporate Honors ☆☆☆

