

订货须知

订货时用户应提供下列资料：

1. 一次系统图。
2. 二次原理图。
3. 配电柜排列图。
4. 柜内电器设备明细表(包括型号、规格、数量)。
5. 配电室平面布置图。

Ordering Notice

The following information should be supplied when ordering:

1. Main circuit single-line diagrams.
2. Control and measuring circuit diagrams.
3. The arrangement(s) for sections.
4. The list of equipment in each section, including type, size and quantity.
5. Layout for sections in the power distribution center.

镇江默勒电器有限公司

ZHENJIANG KLOCKNER-MOELLER ELECTRICAL SYSTEMS CO., LTD.

地址：江苏扬中市新坝镇大全路66号

电话：0511-85122350

网址：www.daqo.com

邮箱：moeller@daqo.com



印刷版本：2023年1月



MODAQO-M

模数化智能低压配电系统

MODULAR INTELLIGENT LOW VOLTAGE POWER DISTRIBUTION SYSTEM

镇江默勒电器有限公司

ZHENJIANG KLOCKNER-MOELLER ELECTRICAL SYSTEMS CO., LTD.

本资料中的产品性能在不断改进中,如有更改,恕不另行通知,本公司拥有最终解释权。



MODAQO-M

About Us

公司介绍

镇江默勒电器有限公司成立于1993年,是中国低压成套电气领域知名企业,国家级高新技术企业,江苏省示范智能车间,公司注册资本1.3亿元人民币,拥有员工800余名,现代化工厂4万平米,年产能3万台,累计销售额260亿元,累计供货50万余套。

成立30年以来,镇江默勒专注于低压成套配电设备的设计、研发、制造与销售,核心产品技术源自德国经典设计,技术水平、销售规模居于行业前列。镇江默勒始终秉承服务社会、服务客户的责任,积极参与国家重点重大工程的建设,产品广泛应用于核电、轨道交通、石油化工、能源电力、通讯电子、数字中心、地标建筑、市政工程等领域。面向未来,镇江默勒正在积极推进“智改数转”,以数字化管理、数字化研发、数字化制造为着力点,致力于成为中国低压成套电器领域的先行者和开拓者,为用户提供卓越的产品和服务。

Zhenjiang Klockner-Moeller Electrical Systems Co., Ltd., established in 1993, is a well-known enterprise in Chinese low-voltage switchgear field as the National High-tech Enterprise, and the Intelligent Workshop in Jiangsu Province. ZKM has 800 staffs, the workshop of 40,000m², and annual production capacity of 30,000 sets. ZKM has provided over 500,000 sets products to customers and the cumulative sales reach 26 billion RMB since established.

Since established, ZKM is always focusing on the design, R&D, manufacturing and sales of low-voltage switchgears. The technology and know-how of the core product are derived from the classic design of Germany. The technical level and sales scale are in the forefront of the industry. ZKM always adheres to the responsibilities of service society and customers and participates in the construction of major national key projects. The products are widely used in nuclear power, rail transportation, petrochemical, communication electronics, water treatment, industrial and mining, commercial construction, municipal engineering and other fields. Facing the future, ZKM strives to enhance its innovation capability and committed to becoming a pioneer in the field of low-voltage switchgear in China with promoting intelligent and digital transformation including the management, R&D and manufacturing, in order to providing customers with excellent products and services.

Product Overview

产品概述



MODAQO-M 模块化智能低压配电系统是公司自主开发产品，具备设计灵活、安全可靠、操作简便、配置经济等优点，符合 IEC61439 与 GB7251 标准，既可作为配电中心、马达控制中心、又可作为动力照明集中控制系统使用，广泛应用在能源电力、石油化工、工矿、商业建筑等领域。

MODAQO-M, as the independently developed products of ZKM, is of flexible design, safe and reliable, easy operation, and economical configuration according to the standard of IEC61439 and GB7251. It shall be widely used in energy and power, petrochemical, industrial and mining, commercial construction and other fields as the distribution center, motor control center and lighting control system.

Technical Data

技术参数

项目 ITEM	参数 DATA	
主母排 Main Busbar		
额定电流 InA	A	630/800/1000/1250/1600/2000/2500/3200/4000/5000/6300
额定短时耐受电流 Icw	kA	65/80/100
额定峰值耐受电流 Ipk	kA	176/220/330
垂直母排 Dropper Busbar		
额定电流 Inc	A	1600
额定短时耐受电流 Icw	kA	65
额定峰值耐受电流 Ipk	kA	143
基本参数 Basic Date		
额定电压 Ue	V	400/690
额定绝缘电压 Ui	V	1000AC/1200DC
额定频率 fn	Hz	50/60
短时耐压 Impact withstand voltage	V	3000/1min
冲击耐压 Uimp	kV	8
内部分隔 Internal Partitions	/	Form1~4b
柜体颜色 Color	/	RAL7035 (按用户要求 Confirmed by customers)
门板厚度 Steel thickness	mm	≥2mm
耐腐蚀性 Corrosion resistance	/	耐10%酸碱腐蚀
门开启度 Door angle when open	/	~180°
安装条件 Installation Conditions	/	户内
环境温度 Ambient temperature	°C	-5~40
相对湿度 Relative humidity	/	93% (40°C)
防护等级 Degree of Protection	/	IP30~54
产品标准 Product Standard	/	IEC61439/GB7251
尺寸 Dimension		
宽度 Width	mm	400/600/800/1000/1200/1400
高度 Height	mm	2200 (可另加100mm高的底座)
深度 Depth	mm	600/800/1000 (侧出线); 800/1000/1200 (后出线)

Features 产品特点

系统灵活

- 元件安装标准化，工程设计便利
- 可进行抽出式、插入式或固定分隔式单元的混装
- 设备更新换代、优化改进、设备扩容方便
- 进出线方式灵活，可采用母线槽，电缆从柜顶或柜底进出

Flexible System

- Standard installation of components with convenient engineering
- Drawer unit, pull-in unit or fixed-mounting unit can be installed in one cabinet
- Convenient replacement, improvement and capacity increased of Equipment
- Flexible incoming and outgoing method with busbar or cable from top or bottom



抽出式单元 Drawer Unit



电缆进出 Cable Outgoing

安全可靠

- 产品的防护等级可达到IP54
- 分隔形式可以根据用户需要，最高可以实现Form4b
- 可带电更换抽屉单元，抽屉抽出后正面防护等级为IP20
- 可靠的机械连锁确保了操作的安全性，每个位置均可以增加挂锁



抽屉联锁机构 Drawer Mechanical Interlock

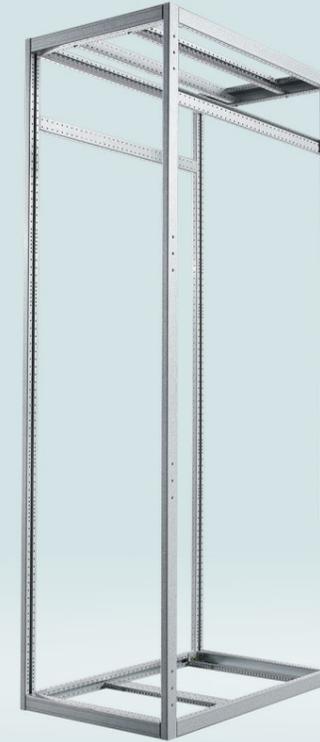
Safe & Reliable

- The protection level can be up to IP54
- The functional unit isolation can meet Form 4b requirement
- The drawer unit can be replaced with power and the protection level in front can be up to IP20 when pulling out the drawer
- Reliable interlock mechanism ensures the safety of operators and each position can add the padlock



垂直排接口 Vertical Bar Connection Port

Basic Structure 基本结构



MODAQO-M主框架由G型梁、C型立柱通过螺栓连接而成，结构坚固，组装灵活，有利于长途运输。

The main frame of MODAQO-M is made up of G-shaped beams and C-shaped columns connected by bolts. The structure is strong and the assembly is flexible, which is good for long-distance transportation.

- 框架采用标准模数化孔，无需专用工具即能够组装各种形式的柜体。
 - 柜体现场安装可采用螺栓连接，也可用点焊方式。
 - 有效的防护等级和内部分隔，最大限度保证操作安全。
 - 独特的结构设计，便于设备的扩容和扩展。
-
- The frame has modular holes and easily to be assembled without special tools.
 - The cabinet can be installed by bolts or spot-welding.
 - Effective degree of protection and internal partition can ensure the safe operation.
 - The special structure is convenient to add more devices.



Busbar System

母排系统

MODAQO-M主母排位置可根据系统出线方式设置，其中侧出线时主母排设置于柜后，后出线时主母排设置于柜顶。

侧出线方案

- 主母排位于柜后时，可分为上、中、下三组位置，母排位置灵活，可以满足多种配电需求。
- 主母排电流等级从630A到6300A，可满足用户的不同需求。
- PE (PEN) 位于柜底或柜顶的前部。
- 垂直母排的相序从左到右依次为L1-L2-L3-N。

项目 Item	额定电流 Rated Current	铜排规格 Copper Bar	柜体深度 Cabinet Depth
主母排(柜顶) Main Busbar (Top of cabinet)	630A	6*40	600mm
	800A	6*50	
	1000A	6*60	
	1250A	10*60	
主母排(柜后) Main Busbar (Back of cabinet)	630A-800A	50*8	800 / 1000 / 1200mm
	1000A	50*10	
	1250A	50*12	
	1600A-2000A	C40*40	1000 / 1200mm
	2500A-3200A	C70*50	
	4000A	C40*40*2	
抽屉柜垂直排 Dropper bar of the withdrawable section	630A	6*40	
	1000A	6*60	
	1250A	6*80	
	1600A	6*100	
固定分隔柜垂直排 Dropper bar of the fixed mounting section	630A	6*40	
	1000A	6*60	
	1250A	6*80	
	1600A	6*100	

备注：主母排柜顶方案中，额定电流630A-1000A适用侧上出线和侧下出线，额定电流1250A、1600A适用于侧下出线。

Remark: For the main busbar top of the cabinet, side-top or side-bottom outgoing can be available when the rated current is of 630A-1000A but only side-bottom outgoing can be chosen when the rated current is of 1250A or 1600A.

SIDE-OUTGOING DESIGN

- The busbar can be set on the top, middle or bottom positions when it is at the rear of the cabinet to meet needs of various requirements.
- The current of the main busbar is from 630A to 6300A, which can meet different requirements of customers.
- PE(PEN) bus is in the front bottom or top of the cabinet.
- The sequence of dropper busbar is L1-L2-L3-N from left to right.



The main busbar position of MODAQO-M can be set according to the system outlet mode. It is located at the rear of the cabinet for side-outgoing and located at the top of the cabinet for rear-outgoing.

后出线方案

- 主母排位于柜顶时，每相按电流等级有1根、2根或3根铜排。
- 主母排的电流等级从630A到5000A，可满足用户的不同需求。
- N排位于柜顶部（与ABC相位于同一区域）或柜底后部，PE/PEN位于柜底后部。
- 垂直母排的相序从左到右依次为L1-L2-L3-N。

项目 Item	额定电流 Rated Current	铜排规格 Copper Bar	柜体深度 Cabinet Depth
主母排 Main Busbar	630A	6*40	800 / 1000 / 1200mm
	800A	6*50	
	1000A	6*60	
	1250A	10*60	
	1600A-2000A	C40*40	1000 / 1200mm
	2500A	C70*50	
	3200A	2*C40*40	
	4000A	2*C40*40	
抽屉柜垂直排 Dropper bar of the withdrawable section	630A	6*40	
	1000A	6*60	
	1250A	6*80	
	1600A	6*100	
固定分隔柜垂直排 Dropper bar of the fixed mounting section	630A	6*40	
	1000A	6*60	
	1250A	6*80	
	1600A	6*100	

REAR-OUTGOING DESIGN

- Each phase of main busbar has 1,2or 3 bars according to the rated current.
- The current of the main busbar is from 630A to 5000A, which can meet requirements of customers.
- N bus is located at the top(in the same area with ABC phase) or the rear bottom of the cabinet. PE/PEN bus is at the rear bottom of the cabinet.
- The sequence of dropper busbar is L1-L2-L3-N from left to right.



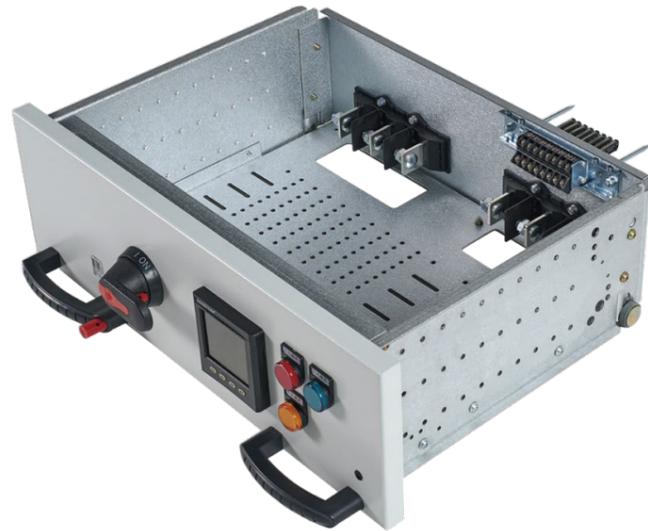
Drawer Unit 抽屉单元

抽屉单元可根据回路属性灵活选用不同抽屉模数

- 抽屉类型：6E/2、8E/4、8E/2、6E、8E、12E、16E、18E、24E
- 高度以1E=25mm为基数，单柜有效安装高度为1800mm，最多可安装36个抽屉单元。

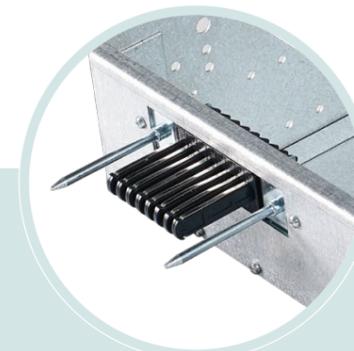
THE DRAWER UNIT CAN FLEXIBLY SELECT DIFFERENT MODULES ACCORDING TO THE CIRCUIT

- Type of drawer: 6E/2, 8E/4, 8E/2, 6E, 8E, 12E, 16E, 18E, 24E
- The height is based on the size of 25mm(1E) and the mounting height of one cabinet is 1800mm and up to 36 units can be mounted in one section.



抽屉单元符合IEC61439标准，各抽屉单元完全独立，抽屉之间完全隔离，可在相邻回路不断电的情况下插入或抽出，相同规格的抽屉单元可以互换。

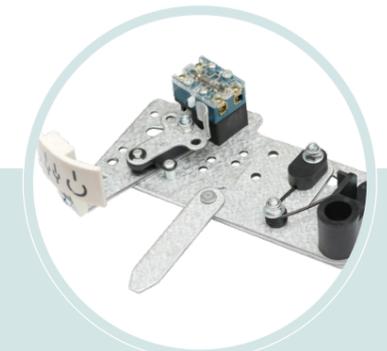
The drawer is meeting the standard of IEC61439 and each drawer unit is completely independent, and the drawers are completely isolated, which can be inserted or pulled out when the adjacent circuit are powered. The drawer units of the same size can be interchanged.



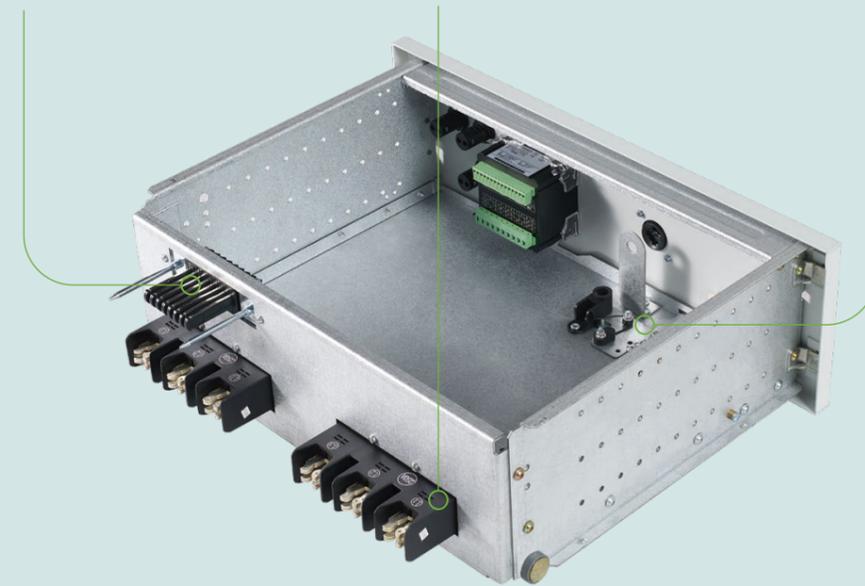
二次触头
Control Contact



一次触头
Main Contact



机械连锁
Mechanical Interlock



抽屉具备高安全性设计，机械连锁具有隔离、试验、连接三位置显示，在试验和工作位置可根据要求最多配置二开二闭的行程开关，当开关处于分闸位置时，抽屉单元才能抽出或插入。

The drawer has a high-safety design. The mechanical interlock has three positions of isolation, test, and connection. The reliable limit switch can be mounted in the test and connecting positions according to requirements. The drawer could be pulled or plugged only when the breaker is in cut-off position.

抽屉单元一次触头采用双夹头结构，卡扣等零件采用进口不锈钢隔磁材料，减少因涡流引起的温升；采用多片叠加的方式，单片插片之间有凸点隔开，增加了插片之间的散热表面积，散热和导电效果更好。

The main contact adopts a double chuck structure. The buckle and other parts use imported stainless steel magnetic isolation materials to reduce the temperature rise caused by eddy current. The multi-chip stacking and the single-chip inserts separated by bumps ensure to increase the heat dissipation surface area between the inserts so that the heat dissipation and conductivity effect is better.

抽屉二次触头采用直插式结构，能够满足抽屉单元的三位置机构；可以根据用户要求进行拼装，最多单组可实现32线。

The control contact adopts the in-line structure, which can meet the three-position mechanism of the drawer unit. It can be assembled according to requirements and a single group can reach 32 lines at most.

Intelligent Solution

智能化低压柜解决方案

新一代智能化低压柜，配套智能设备，在智能控制器、电力监控、状态监测、“碳中和、碳达峰”节能等方面进行了全面升级。用户可以通过后台与 APP 实时获取配电柜技术参数与能效情况，监控设备状态并远程控制回路，实现设备的全生命周期管理。

The new generation of intelligent low-voltage cabinet has been comprehensively upgraded for controlling, power monitoring, energy saving .etc. with intelligent device. Users can obtain the technical parameters and energy efficiency of the cabinet in real time through the background and APP, monitor the equipment status and remotely control the loop, so as to realize the whole life cycle management of the equipment.



Function 智能化功能

智能运维 Intelligent Maintenance

数字厂牌 Digital Label



数字厂牌集成设备基本信息、元件清单、系统图、原理图、厂家信息等。

Information about the cabinet is available including the basic information, BOM, system diagram, circuit diagram, company profile and so on by the digital label.

设备故障诊断 Fault Diagnosis

智能化低压柜可全方位数字采集、状态监视,发现问题及时报警,并指导运维人员进行检修及故障处理。

The cabinet can collect data, monitor the equipment status, warn the problem found, and remind the operator to take maintenance and fault treatment.



预防性维护 Preventive Maintenance



借助工业云强大的数据分析能力,智能化低压柜能够对关键元器件设备和抽屉单元的状态进行预测,针对性给出检修建议,做到提前预测风险。

With the data analysis capability of industrial cloud, the cabinet can predict the status of key components and the drawer, give maintenance suggestions to avoid risks in advance.

专家远程指导 Remote Guidance

借助AR设备,用户可以查看现场设备运行状态,实现厂商专家远程维护指导;通过PC端管理工具,可以远程管控厂商履约流程,远程验收设备。

With AR device, the operation status of on-site equipment can be checked and remote maintenance guidance by manufacturer experts is available; The user can remotely manage the process of manufacturers and take FAT by PC.



能源管理 Energy Management

配套能源管理系统,能对区域级多种能源系统进行实时监测与统计分析,具备能源协调控制,能耗实时监测、用能统计分析、能效异常分析等四大功能。通过多能互补与多源协同控制,实施全面电能质量管理,实现节能降耗,切实有效推动国家“双碳”战略目标落地。

The energy management system performs real-time monitoring and statistical analysis of multiple regional energy systems, which has major functions including energy coordinated control, real-time energy consumption monitoring, energy consumption analysis, and abnormality analysis. The comprehensive power quality management can be implemented to realize energy saving and consumption reduction to achieve carbon peak and neutrality goals.



电力监控 Power Monitoring

配套电力监控系统,用户可实现对低压柜的监视、保护、控制、计量和能耗管理,全方位提高配电房信息感知的深度和广度,满足配电房管理的智能化、数字化与现代化需求。

With the power monitoring system, users can realize the monitoring, protection, control, measurement and energy consumption management of low-voltage cabinet, improve the capability of information perception of the distribution room, and meet the needs of intelligent, digital and modern management.

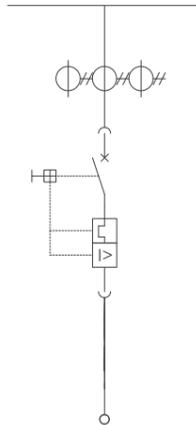


Product Plan

产品方案

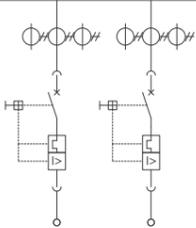
单框架断路器柜 / MDP (One ACB)

方案编号 NO.	额定电流 (A) Rated Current	断路器 Breaker	极数 Pole	柜宽 (mm) Width	出线方式 Outgoing way
01	630A~1600A	IZM-630~1600	3P/4P	600/800	侧进/上进/下进/母联 Side-incoming Top-incoming Bottom-incoming coupling
02	2000~3200A	IZM-2000~3200	3P/4P	600/800	侧进/上进/下进/母联 Side-incoming Top-incoming Bottom-incoming coupling
03	4000A	IZM-4000	3P/4P	1000/1200	侧进/上进/下进/母联 Side-incoming Top-incoming Bottom-incoming coupling
04	5000A	IZM-5000	3P/4P	1200/1400	侧进/上进/下进/母联 Side-incoming Top-incoming Bottom-incoming coupling
05	6300A	IZM-6300	3P/4P	1200/1400	侧进/上进/下进/母联 Side-incoming Top-incoming Bottom-incoming coupling



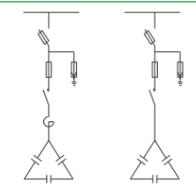
双框架断路器柜 / MDP (Two ACB)

方案编号 NO.	额定电流 (A) Rated Current	断路器 Breaker	极数 Pole	柜宽 (mm) Width	出线方式 Outgoing way
01	630A~1600A	IZM-630~1600	3P	600/800	上进/下进 Top-incoming Bottom-incoming
02	630A~1600A	IZM-630~1600	4P	800/1000	上进/下进 Top-incoming Bottom-incoming



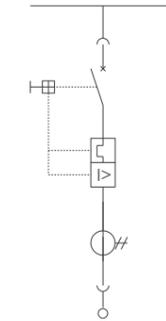
电容柜 / Capacitor Section

方案编号 NO.	容量 Capacity	熔断器开关 Fuse switch	柜宽 (mm) Width	是否带电抗 With Reactor
01	400kvar	800A	800	否
02	300kvar	630A	1000	是



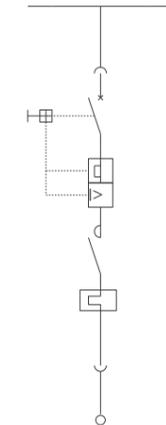
馈电抽屉单元 / Feeder drawer unit

方案编号 NO.	额定电流 (A) Rated Current	断路器 Breaker	极数 Pole	抽屉模数 Drawer Module
01	0.16~10	PKZM0	3P	8E/4
02	16~32	PKZM0	3P	8E/4
03	125	NZM-125	3P	6E/2
04	125	NZM-125	3P/4P	8E/2
05	250A	NZM-250	3P	6E
06	250A	NZM-250	3P/4P	8E
07	400A	NZM-400	3P	12E
08	400A	NZM-400	3P/4P	16E
09	630A	NZM-630	3P/4P	18E/24E



电动机抽屉单元 (直接启动) / Motor drawer unit (DOL)

方案编号 NO.	电动机功率 Motor Power	断路器 Breaker	接触器 Contactor	热继电器 Thermal relay	抽屉模数 Drawer Module
01	1.1	PKM0-4	DILM7-10C	ZB12C-4	8E/2、6E/2、6E
02	1.5	PKM0-4	DILM7-10C	ZB12C-4	8E/2、6E/2、6E
03	2.2	PKM0-6.3	DILM7-10C	ZB12C-6	8E/2、6E/2、6E
04	3	PKM0-10	DILM9-10C	ZB12C-10	8E/2、6E/2、6E
05	4	PKM0-10	DILM9-10C	ZB12C-10	8E/2、6E/2、6E
06	5.5	PKM0-12	DILM12-10C	ZB12C-12	8E/2、6E/2、6E
07	7.5	PKM0-16	DILM17-10C	ZB32C-16	8E/2
08	11	PKM0-25	DILM25-10C	ZB32C-24	8E/2
09	15	PKM0-32	DILM32-10C	ZB32C-32	8E、12E
10	18.5	NZM-S40	DILM40C	ZB65C-40	8E、12E
11	22	NZM-S50	DILM50C	ZB65C-57	8E、12E
12	30	NZM-S63	DILM65C	ZB65C-65	8E、12E
13	37	NZM-S80	DILM80C	ZB150C-100	16E、18E
14	45	NZM-S100	DILM95C	ZB150C-100	16E、18E
15	55	NZM-S125	DILM115C	ZB150C-125	16E、18E
16	75	NZM-S160	DILM150C	ZB150C-150	400mm抽屉/固定单元 Drawer/Fixed unit
17	90	NZM-S200	DILM170C	ZB150C-175	500抽屉/固定单元 Drawer/Fixed unit
18	110	NZM-S250	DILM225A/ XTCD225	ZEB	700固定单元 Fixed unit
19	132	NZM-S320	DILM250/ XTCD300	ZEB	700固定单元 Fixed unit
20	160	NZM-S320	DILM300A/ XTCD300	ZEB	800固定单元 Fixed unit
21	200	NZM-S400	DILM400/ XTCD400	ZEB	800固定单元 Fixed unit

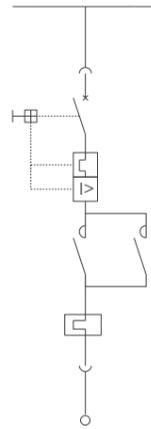


Product Plan

产品方案

电动机抽屉单元（可逆启动） / Motor drawer unit (Reversing start)

方案编号	电动机功率	断路器	接触器	热继电器	抽屉模数
NO.	Motor Power	Breaker	Contactors	Thermal relay	Drawer Module
01	1.1	PKM0-4	2*DILM7-10C	ZB32C-4+ZB32-XEZ	6E
02	1.5	PKM0-4	2*DILM7-10C	ZB32C-4+ZB32-XEZ	6E
03	2.2	PKM0-6.3	2*DILM7-10C	ZB32C-6+ZB32-XEZ	6E
04	3	PKM0-10	2*DILM9-10C	ZB32C-10+ZB32-XEZ	6E
05	4	PKM0-10	2*DILM9-10C	ZB32C-10+ZB32-XEZ	6E
06	5.5	PKM0-12	2*DILM12-10C	ZB32C-12+ZB32-XEZ	6E
07	7.5	PKM0-16	2*DILM17-10C	ZB32C-16+ZB32-XEZ	12E
08	11	PKM0-25	2*DILM25-10C	ZB32C-24+ZB32-XEZ	8E、12E
09	15	PKM0-32	2*DILM32-10C	ZB32C-32+ZB32-XEZ	8E、12E
10	18.5	NZM-S40	2*DILM40C	ZB65C-40+ZB65-XEZ	8E、12E
11	22	NZM-S50	2*DILM50C	ZB65C-57+ZB65-XEZ	8E、12E
12	30	NZM-S63	2*DILM65C	ZB65C-65+ZB65-XEZ	16E、18E
13	37	NZM-S80	2*DILM80C	ZB150C-100/KK	16E、18E
14	45	NZM-S100	2*DILM95C	ZB150C-100/KK	16E、18E
15	55	NZM-S125	2*DILM115C	ZB150C-125/KK	24E
16	75	NZM-S160	2*DILM150C	ZB150C-150/KK	24E



电动机抽屉单元（星三角启动） / Motor drawer unit (Star-Δ start)

方案编号	电动机功率	断路器	接触器	热继电器	抽屉模数
NO.	Motor Power	Breaker	Contactors	Thermal relay	Drawer Module
01	1.1	PKM0-4	3*DILM7-10C	ZB12C-2.4	18E、16E
02	1.5	PKM0-4	3*DILM7-10C	ZB12C-2.4	18E、16E
03	2.2	PKM0-6.3	3*DILM7-10C	ZB12C-4	18E、16E
04	3	PKM0-10	3*DILM9-10C	ZB12C-6	18E、16E
05	4	PKM0-10	2*DILM9-10C 1*DILM7-10C	ZB12C-6	18E、16E
06	5.5	PKM0-12	2*DILM12-10C 1*DILM9-10C	ZB12C-10	18E、16E
07	7.5	PKM0-16	2*DILM12-10C 1*DILM9-10C	ZB12C-10	18E、16E
08	11	PKM0-25	2*DILM17-10C 1*DILM9-10C	ZB32C-16	18E、16E
09	15	PKM0-32	2*DILM25-10C 1*DILM17-10C	ZB32C-24	18E、16E
10	18.5	NZM-S40	2*DILM25C 1*DILM17C	ZB32C-24	18E、16E
11	22	NZM-S50	2*DILM32-10C 1*DILM17-10C	ZB32C-32	18E、16E
12	30	NZM-S63	2*DILM40C 1*DILM25-10C	ZB65C-40	18E、16E
13	37	NZM-S80	2*DILM50C 1*DILM25-10C	ZB65C-57	18E、16E
14	45	NZM-S100	2*DILM65C 1*DILM50C	ZB65C-57	24E
15	55	NZM-S125	2*DILM65C 1*DILM50C	ZB65C-65	24E
16	75	NZM-S160	2*DILM80C 1*DILM50C	ZB150C-100	24E

