



Distribution Cabinet Series



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**MEGA TECHNOLOGY (ZHENJIANG) CO.,LTD.
OPTIMUS TECHNOLOGY CO.,LTD.
MEGA ENERGY (THAILAND)CO.,LTD.
OPTIMUS POWERTECH PRIVATE LIMITED(INDIA)**

General Description

Mega Technology (Zhen Jiang) Co., Ltd. the main design and manufacture medium voltage switchgear: KYN28-24 medium voltage switchgear, KYN61-40.5 medium voltage switchgear and low-voltage switchgear equipment: ATS(Double power distribution box)、MNS(drawable type low voltage switchgear)、GGD (low-voltage AC power distributing box) 、GCS(drawable type low voltage switchgear)、GCK(drawable type low voltage switchgear)、JXF(Non-standard distribution box)、GXL(ground distribution box) and PZ-30(wall distribution box).

The company production of power distribution cabinet, power distribution box are rigorously tested before leaving the factory, the international design rigorous, the use of simple, can easily meet a variety of Design)Institute and the user's requirements.

Mega Technology (Zhen Jiang) Co. Ltd., low-voltage distribution products design, with a high level of protection for the desert, oil, chemical, textile, building materials, food, dust, heavy pollution, environment lighting and power distribution sites.

Our technology combined with dynamic lighting distribution box international high-end design scheme made applicable to places of various industrial buildings and residential environment good. Form and structure characteristics of box provides more choices for Design Institute and the user, especially for the same project has many application situations, distribution box system, a variety of mega technology will enable the design of the programme you are more comfortable.

In power distribution field, we supply you with not only products, from consultation, engineering, manufacture to test running, you could get complete support and service from us. Mega Technology (Zhen Jiang) Co, Ltd. is always the most reliable and closed partner of you.



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KYN28-24 Metal armored removal switchgear series

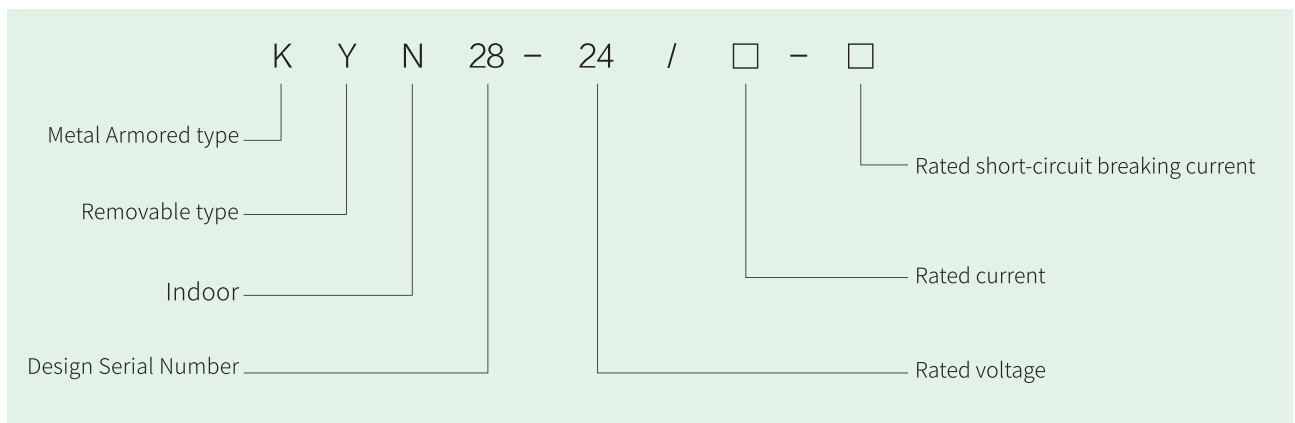
1. General

■ General introduction

KYN28-24 metal armored removable switchgear series (shortened form: KYN28-24 switchgear) is a three-phase AC indoor complete power distribution device, suitable for single-bus and single-bus segmented power systems with a rated voltage of 24KV. The perfect "five defenses" function is mainly used in power plants, substations, industrial and mining enterprises and high-rise buildings for receiving and distributing electrical energy, and has the function of controlling, protecting and monitoring circuits.



■ Product model and meaning



■ Applicable standards

KYN28-24 switchgear meets the following domestic and foreign standards IEC60298, IEC60694, IEC62271-100GB3906GB/T11022.GB/T1984, DL404, etc.

■ Working conditions

◇ Normal working conditions

The normal working conditions of KYN28-24 switchgear are as follows

Ambient temperature:

Max Temperature: +40°C

Environment humidity:

Daily average value is not greater than +35°C

Daily average relative humidity: 95% and below

Min temperature: -15°C

Monthly average relative humidity : 90% and below

Maximum Altitude of Installation Site: 1000m

The earthquake intensity does not exceed 8 degrees, there is no fire and explosion danger, and there is no place with severe pollution and chemical corrosion.

◇ Special working conditions

For special working environments beyond the above normal working conditions, you must consult or negotiate with the manufacturer when placing an order..

*When the altitude of the installation site is higher than 1000m, the influence of the reduction of the strength of the air medium on the insulation level must be considered.

*If the ambient temperature exceeds the limit value, the design of the busbar and branch bus bar must be compensated or the current carrying capacity must be limited. Install ventilation equipment in the cabinet

The installation will help the switchgear to dissipate heat.

◇ Special attention items:

Many regions of China have high humidity, rapid temperature fluctuations and large amplitudes. When the switchgear is operated in this climate, there is a danger of condensation. Therefore, the user should ensure the heater in the standby and operating state All-weather investment! But in the high current (such as 1600A load current) operation, you can not invest.

2. Technical data

KYN28-24 switchgear main technical parameters

Main technical parameters of circuit breaker cabinet

| | | | |
|---|--|----|-----------------------------------|
| Rated voltage | | kV | 24 |
| Rated Insulation Level | 1min power frequency withstand voltage (effective value) | kV | 65 |
| | Lightning impulse withstand voltage(peak) | kV | 125 |
| Rated frequency | | Hz | 50 |
| Rated current of main bus | | A | 1250,1600,2000,2500,3150,4000 |
| Branch bus rated current | | A | 630,1250,1600,2000,2500,3150,4000 |
| Rated short-time withstand current (RMS), 4 seconds | | kA | 20,25,31.5 |
| Rated peak withstand current (peak) | | kA | 50,63,80 |

KYN61-40.5 metal armored removable switchgear series

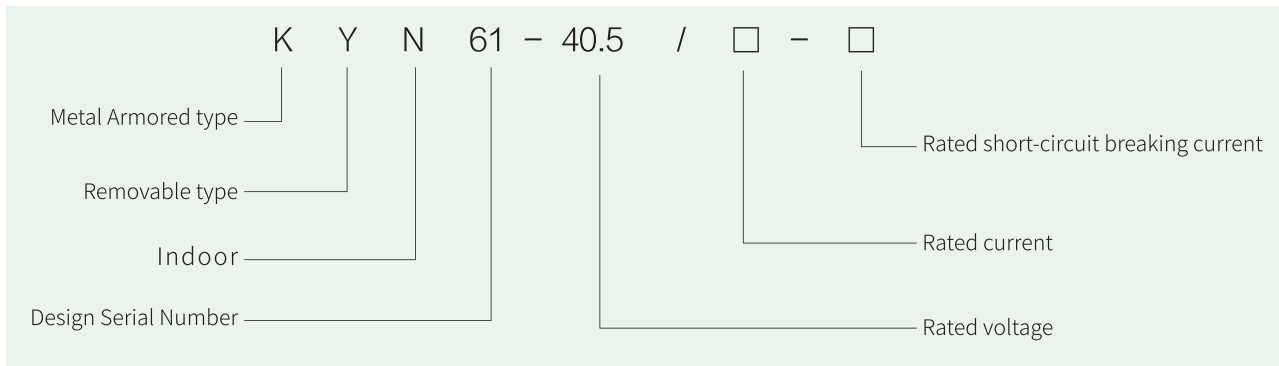
1. General

■ General introduction

KYN61-40.5 Metal Armored Removable Switchgear' s abbreviation:KYN61-40.5 switchgear) is an advanced indoor complete power distribution equipment designed and developed on the basis of the company's summary of similar products.It is suitable for three-phase AC 50Hz rated voltage 40.5kv single bus and single bus section power system, with perfect "five protection" function. It is mainly used in power plants, substations, industrial and mining enterprises, and high-rise buildings. It is used for receiving and distributing electrical energy, and has functions such as controlling, protecting and monitoring circuits.



■ Product model and meaning



■ Design and manufacturing standards and specifications

KYN61-40.5 switchgear mainly meets the following standards and specifications but is not limited to this:

| | |
|-------------------|---|
| IEC60298-1990 | AC metal-enclosed switchgear and control equipment with rated voltages from 1kV to 52kV |
| IEC60694-1996 | High-voltage switchgear and control equipment |
| IEC62271-100-2008 | High-voltage switchgear and control equipment |
| IEC6056-1987 | HV AC circuit breaker |
| GB3906-2006 | 3.6 ~ 40.5kV AC metal-enclosed switchgear and control equipment |
| GB/T11022-1999 | Common technical requirements for high-voltage switchgear and control equipment standards |
| GB1984-2003 | AC high voltage circuit breaker |
| DL/T404-2007 | 3.6 ~ 40.5kV AC metal-enclosed switchgear and control equipment |

■ Design and manufacturing standards and specifications

◇1.4.1 Normal use conditions

Ambient temperature:

Max Ambient temperature : + 40°C

Min Ambient temperature: -15°C

Ambient humidity: daily average relative: 95% and below

Monthly average relative: 90% and below

Maximum altitude of the installation site: 1000m

The earthquake intensity does not exceed 8 degrees, there is no fire, explosion danger, and no place with severe pollution and chemical corrosion.

◇1.4.2 Special use conditions

For special use environments beyond the above normal use conditions, users can inquire and negotiate with our company when ordering. For example: When the altitude of the switchgear installation exceeds 1000 meters: the equipment is installed in high salt fog, high temperature or high humidity etc.

To prevent the occurrence of condensation, an electric heater is installed in the switchgear. When the switchgear is in a standby state, it should be put into use in time. In normal work, it should be put into use in a timely manner according to the actual situation.

2. Technical Data

2.1 Main technical parameters of KYN61-40.5 switchgear

| project | | unit | The main technical parameters |
|--|--|------|-----------------------------------|
| Rated voltage | | kV | 40.5 |
| Rated insulation level | 1min power frequency withstand voltage (effective value) | kV | 95 |
| | Lightning impulse withstand voltage (peak) | kV | 185 |
| Rated frequency | | Hz | 50,60 |
| Rated current of main bus | | A | 630, 1250, 1600, 2000, 2500, 3150 |
| Rated current of branch bus | | A | 630, 1250, 1600, 2000, 2500, 3150 |
| Rated short-time withstand current (effective values), 4 seconds | | kA | 16,20,25,31.5 |
| Rated peak withstand current (peak) | | kA | 40,50,63,80 |
| Operating power voltage | | V | DC110V / 220V, AC220V |
| Protection level | | | IP4X |
| Protection level when circuit breaker door is opened | | | IP2X |

Requires forced air cooling device

2.2 Dimensions and weight of switchgear

| project | unit | The main technical parameters |
|-----------|------|-------------------------------|
| Width (W) | mm | 1200,1400*,1600* |
| Depth (D) | mm | 2750 |
| (H) | mm | 2600/2750 |
| weight | kg | 850~1850 |

* Using domestic vacuum circuit breaker

** All transformer cabinet widths

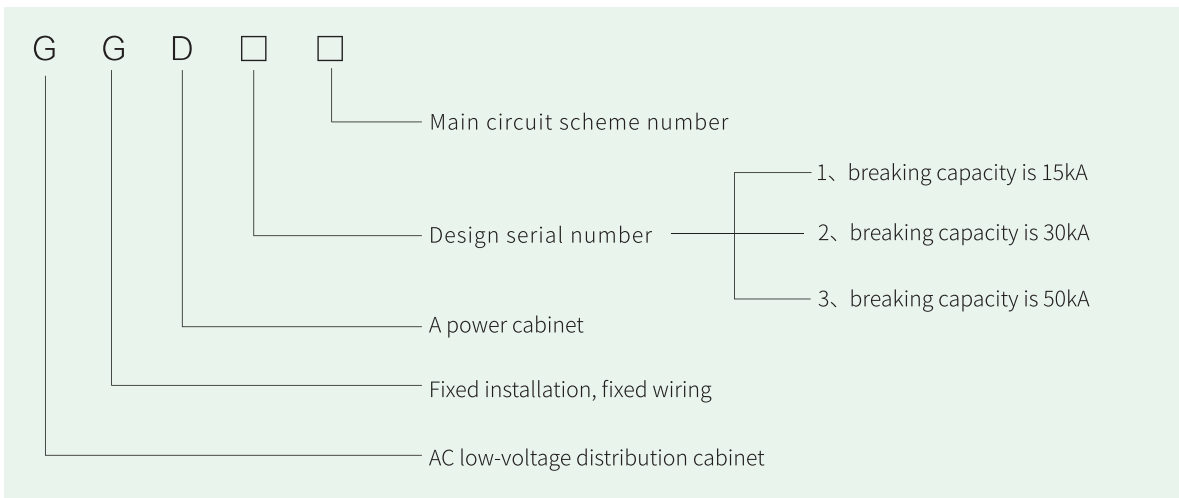
Under special program conditions, the specific switch cabinet size needs to be verified with the manufacturer when ordering.

GGD type AC low voltage distribution cabinet series

1. Technical data

GGD AC low-voltage power distribution cabinet is a combined low-voltage power distribution cabinet. The design and development of the low-voltage complete switchgear has been completed by joint design and development group (NLS) of the Ministry of Energy and has been widely used throughout the country.

2. Model description



3. Uses

GGD type AC low-voltage power distribution cabinet is suitable for power distribution systems such as power plants, substations, factories and mining enterprises with AC 50Hz, rated working voltage 380V, and rated working current to 6300A. As power, lighting and power distribution equipment for power conversion, distribution and control.

GGD type AC low-voltage power distribution cabinet is a low-voltage power distribution cabinet designed in accordance with the principles of safety, economy, reasonableness and reliability. The product has the characteristics of high breaking capacity, good dynamic and thermal stability, flexible electrical scheme, convenient combination, strong series and practicality, novel structure and high protection level. It can be used as a replacement product of low-voltage complete switchgear.

GGD type AC low-voltage power distribution cabinet complies with IEC439 《Low-voltage complete switchgear and control equipment》, GB7251 《Low-voltage complete switchgear》 and other standards.

4. Use conditions

1. The ambient air temperature is not higher than + 40°C and not lower than -5°C.
2. indoor installation, the altitude of the place of use does not exceed 2000m.
3. The relative humidity of the surrounding air does not exceed 50% at the maximum temperature of + 40°C.

At relatively low temperatures, greater relative humidity is allowed.

4. When the equipment is installed, the inclination with the vertical plane does not exceed 5%.

5. The equipment should be installed in the place without severe vibration and impact, and places where electrical components will not be corroded.

6. Users' special requirements can be resolved through consultation with our company.

5. Electrical performance

1. Rated insulation voltage 660V
2. Rated operating frequency 50Hz
3. Working voltage of auxiliary circuit
AC: 110V 220V 380V
DC: 110V 220V
4. Basic electrical parameters

| model | Rated voltage (V) | Rated current (A) | Rated short-circuit breaking current (kA) | Rated short-time withstand current (kA) | Rated peak withstand current (kA) |
|-------|-------------------|-------------------|---|---|-----------------------------------|
| GGD1 | 380 | 1000 | 15 | 15 | 30 |
| | | 600(630) | | | |
| | | 400 | | | |
| GGD2 | 380 | 1500(1600) | 30 | 30 | 63 |
| | | 2000 | | | |
| GGD3 | 380 | 6300 | 50 | 50 | 105 |
| | | 4000 | | | |
| | | 2500 | | | |

5. Main circuit scheme

The main circuit scheme of the GGD cabinet includes: 1. Overhead power receiving; 2. Cable power receiving; 3. Standby power receiving power; 4. Contact; 5. Air switch feeding; 6. Knife-fuse switch feed; 7. Current-limiting air switch feed; 8. Contactor feed; 9. Fuse feed; 10. Lighting; 11. Reactive power compensation cabinet. Total 129 programs, 298 specifications.

| | | | |
|----------|-----------|--------------|--------------------|
| Of which | GGD1 type | 49 solutions | 123 specifications |
| | GGD2 type | 53 solutions | 107 specifications |
| | GGD3 type | 27 solutions | 68 specifications |

According to the opinions of the majority of design and use departments, the scheme required by the power plant has been increased. The rated current has been increased to 6300A, which is suitable for the selection of distribution transformers of 3150KVA and below.

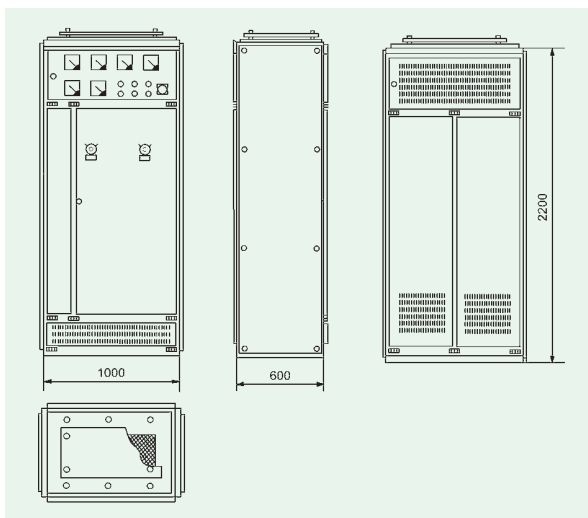
6. Auxiliary circuit scheme

The design of the auxiliary circuit is divided into two parts: power supply scheme and power plant scheme. There is enough space in the cabinet to install the secondary components. At the same time, NLS has also developed a special LMZ3D type current transformer that has met the needs of power plants and special users when attaching relay protection.

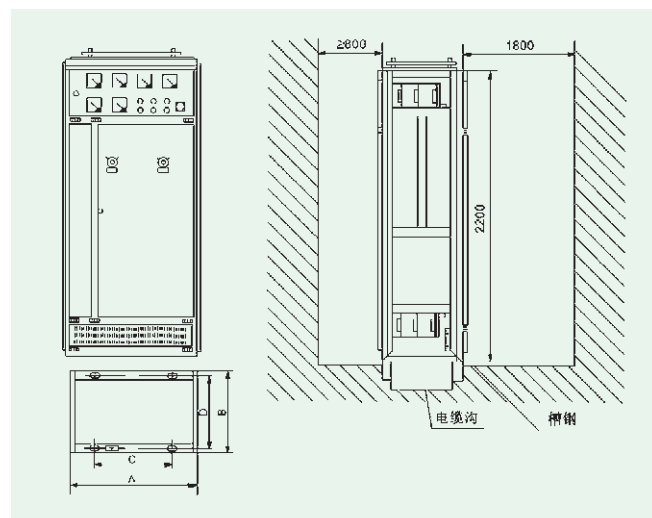
7. Main bus

Considering the price ratio and the feasibility of replacing copper of aluminum, a single aluminum bus bar is used when the rated current is 1500A and below. The rated current is greater than 1500A using double copper busbar.

The overlap surfaces of the busbars are all treated with tin plating.



Outer dimension drawing



Installation diagram

| Product Code | A | B | C | D |
|--------------|------|-----|------|-----|
| GGD 06 | 600 | 600 | 450 | 556 |
| GGD 06A | 600 | 800 | 450 | 756 |
| GGD 08 | 800 | 600 | 650 | 556 |
| GGD 08A | 800 | 800 | 650 | 756 |
| GGD 10 | 1000 | 600 | 850 | 556 |
| GGD 10A | 1000 | 800 | 850 | 756 |
| GGD 12 | 1200 | 800 | 1050 | 756 |

MNS low-voltage withdrawable switchgear

1. General

■ Scope of application

MNS low-voltage withdrawable switchgear is composed of power center cabinet (PC) and motor control center cabinet (MCC). It is suitable for the control and distribution system with AC 50Hz ~ 60Hz and rated working voltage of 690V and below. It is used in all occasions of power generation, power distribution and electric use. Such as:

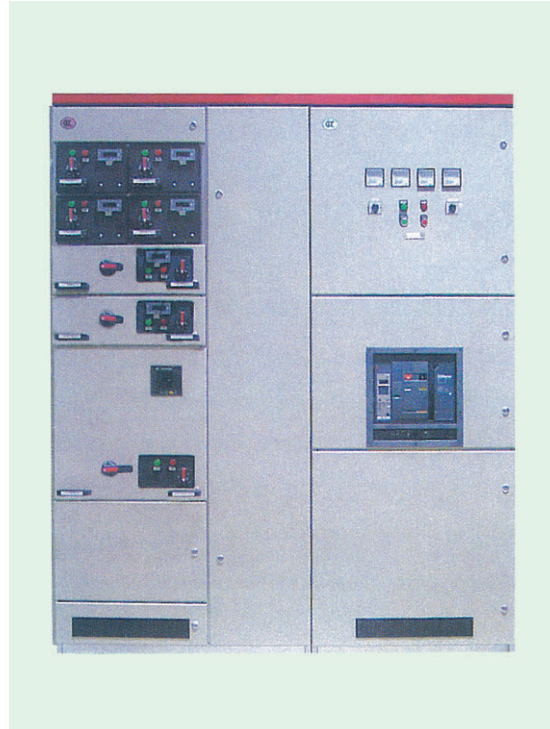
- ☆ Main and auxiliary power cabinets and power distribution cabinets
- ☆ Motor power supply and motor control system
- ☆ Open-loop or closed-loop control system
- ☆ Utilities treatment
- ☆ Power system
- ☆ Petrochemical industry
- ☆ Ships, oil rigs
- ☆ Industrial and mining enterprises
- ☆ sewage treatment
- ☆ buildings, houses, etc.

2. Technical data

| | | | |
|--|---|-------------------|---------|
| Comply with the standard | GB7251.1-1997 IEC/EN60439-1 Part 500 and passed the type Test (TTA) | | |
| Installation conditions Ambient temperature Relative humidity Altitude | indoors -5°C/40°C, the highest average temperature of 24 hours is not higher than 45 °C. 50% (40°C) ≤2000m | | |
| Protection level | IP30、IP40、IP54 | | |
| Dimensions | 2200×400 (600、800、1000、1200) ×600 (800、100) (height x width x depth) | | |
| Internal partition | Type 1 to type 4b | | |
| Rated voltage Rated insulation voltage Rated frequency Short-time withstand voltage Impact withstand voltage | 400V/690V 690V 50Hz/60Hz 3000V (1min) 8kV | | |
| Main busbar | rated current | A | ≤6300A |
| | Rated short-time withstand current | I_{cw} kA/1s | 55-100 |
| | Rated peak withstand current | I_{pk} kA | 105-250 |
| Vertical busbar | rated current | A | ≤1000A |
| | Rated short-time withstand current | I_{cw} kA/1s | 60 |
| | Rated peak withstand current | I_{pk} kA | 130-150 |



Vertical busbar in flame-retardant plastic function board



MNS withdrawable switchgear (side outlet)



8E、16E、24E、 Small device room



8E / 4、 8E / 2 Small device room、 cable and control line connection (side outlet)

GCK low-voltage withdrawable switchgear

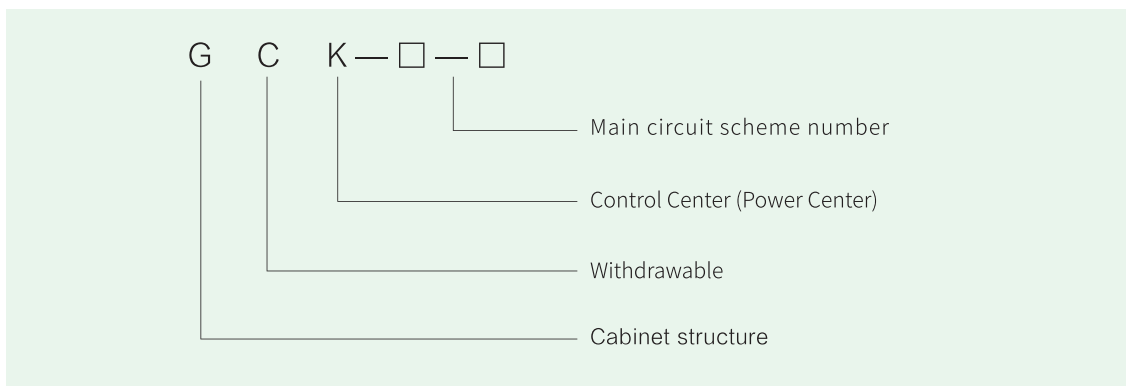
1. Uses and features

GCK low-voltage withdrawable switchgear is composed of two parts of the power distribution center (MCC), which is suitable for power plants, substations, industrial and mining enterprises and other power users are used as AC 50Hz, the maximum working voltage is 660V, and the maximum working current is 3150A. For power distribution, electric power control and lighting and other power distribution equipment for power conversion and distribution control.

This series of products have high segmentation ability, good dynamic and thermal stability, advanced structure, reasonable, practical electric scheme, series, and strong versatility. Various scheme units are arbitrarily combined. A cabinet contains more circuits. Saves floor space, beautiful appearance, high protection level, safety and reliability, easy maintenance and so on.

This product complies with IEC60439, NEMA ICS3-322 standards, and also meets the national standard of GB7251-1 《Low-voltage switchgear and control equipment》.

2. Product model and meaning



3. Use environment

- 1.The altitude does not exceed 2000m.
- 2.The ambient air is not higher than +40°C, and the average temperature within 24h is not higher than +35°C, and the ambient air temperature is not lower than -5°C.
- 3.Atmospheric conditions: clean air. Relative humidity does not exceed 50% when the temperature is +40°C. Higher relative humidity is allowed when the temperature is lower, such as 90% at +20°C.
- 4.There is no danger of fire, explosion, severe pollution, chemical corrosion and severe vibration.
- 5.Tilt is no more than 5° with vertical.
- 6.This product is suitable for transportation and storage at the following temperature: -25°C~+ 55°C, within a short time (not exceeding 24h), it does not exceed + 70°C.

4. Structural characteristics

The basic frame of this series is a combined assembly structure. All the structural components of the frame are connected to each other through a screw to form a basic frame. Additional parts such as doors, baffles, partitions, drawers, mounting brackets, and electromechanical components are required. Assembled into a complete switchgear, this cabinet has the following characteristics:

1. The frame adopts special-shaped steel, uses three-dimensional angle plate positioning, and bolts have no welding structure to avoid welding deformation and stress and improve installation accuracy.
2. The mounting holes of the frame and components change according to the modulus $E=20\text{mm}$.
3. The internal structural parts are galvanized. After the exterior is pickled and phosphated, it is sprayed with electrostatic epoxy powder.
4. In the power center (PC) incoming cabinet, the top is the horizontal bus area, and the lower part of the horizontal bus area is the circuit breaker room. The circuit breaker can be equipped with domestic series such as DW15C.ME. It can also be configured various circuit breakers produced by foreign electrical companies according to user needs, such as: F series circuit breakers produced by ABB, and intelligent circuit breakers, etc.

In general, the PC unit has a reversed main circuit (including the busbar). When the rated current is 630A-1600A, it occupies a cabinet with an external size of 800x1000x2200mm (width x depth x height). The circuit occupies a cabinet with an external dimension of 800x800x2000mm (width x depth x height). When the rated current is 1600A-3150A, it occupies a cabinet with an external dimension of 1000x1000x2200mm (width x depth x height). A cabinet with dimensions of 1000x800x2200mm (width x depth x height).

The structure of the power center (PC) feed cabinet is similar to that of the incoming cabinet. When the feed current is 630A-1600A, the cabinet 1000x1000x2200mm (width x depth x height) can be equipped with two circuits, which can be installed on top and bottom.

5. Motor control center (MCC) switchgear has two types of installation against the wall and not against the wall. The top is a horizontal bus area, and the horizontal bus area is below the drawer functional unit area. The width of this area is 600mm, and the height of the drawer functional unit is 1840mm. The left part of a form cabinet is the functional unit area. There is a 200mm wide secondary motor outlet area on the right side. The overall dimensions of the cabinet are 800x800 (1000) x 2200mm (width x depth x height). In another form, the cabinet width is 600mm, and the cable outlet area is at the rear of the cabinet. The overall dimensions of the cabinet are 600x800x (1000) x 2200mm (width x depth x height). There are two types of cabinet depths: 800mm and 1000mm. We recommend that users choose a cabinet with a depth of 1000mm to unify the depth of the PC cabinet. When the drawer is pulled out of the cabinet, the live parts inside the cabinet are not exposed, which is safe and reliable.

The drawers of the MCC cabinet come in eight standard sizes:

| Code No. | A | B | C | D | E | F | G | H |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Height (mm) | 160 | 240 | 320 | 400 | 480 | 560 | 640 | 720 |

6. The drawer functional unit and the door are mechanically interlocked by the operating mechanism of the main switch, the main switch cannot be opened when the closing position, and the operating mechanism can be locked in the closing or opening position with an additional padlock. The functional unit compartments are separated by metal plates. The drawers have good interchangeability and have working positions, test positions and separation positions. When the drawer is pushed to a fixed position, the drawer is automatically positioned. At this time, the drawer on the left side of the drawer can be pulled to release the positioning and enter the next position. The drawer also has an anti-falling function when it is pulled out of the cabinet.

7. The cabinets of fixed solutions such as capacitance compensation and metering have the same appearance and the same horizontal position as the drawer cabinets, thereby ensuring that the drawer and fixed cabinets can be used side by side.

8. Bus bar system: The bus of the cabinet is a three-phase five-wire system, and the single bus bar is used when the rated current of the horizontal bus is above 1250A. The double bus bar is used when the rated current of the horizontal bus bar is above 1250A, and the horizontal bus bar between the cabinet is overlapped by the connection blocks. The vertical bus bar is closed with galvanized sheet. The internal partition is used to limit the arc diffusion. The neutral bus bar is set at the front of the cabinet top. The protective bus bar (PE) is set at the bottom of the cabinet and is connected with the partition wall of the cabinet. The gates are connected to ensure ground continuity.

9. Without reducing the enclosure protection level, natural ventilation windows are provided at the bottom and top of the switch cabinet.

10. Cabinet enclosure protection grade is IP40.

GCK low-voltage withdrawable switchgear

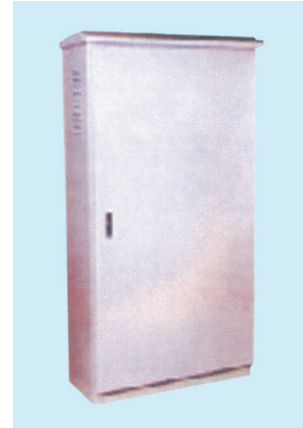
| | | |
|--|--------------------|-----------------------------------|
| Rated operating frequency (Hz) | | 50、60 |
| Rated working voltage (V) | | 380、660 |
| Rated insulation voltage (V) | | 660 |
| Rated working current (A) | Horizontal bus bar | 630~3150 |
| | Vertical bus bar | 600 |
| Rated short-time withstand current | Horizontal bus bar | 80kA (effective value) / 1 second |
| | Vertical bus bar | 50kA (effective value) / 1 second |
| Rated peak withstand current | Horizontal bus bar | 176kA |
| | Vertical bus bar | 110kA |
| Main circuit connector (A) | | 200、400 |
| Auxiliary circuit connector (A) | | 16 |
| Power frequency withstand voltage for 1 minute (V) | | 2500 |
| Control motor maximum capacity (kW) | | 155 |
| Protection rating | | IP40 |
| Operation method | | 就地、远方、自动 Local、Far、Automatic |

GXL electric (dynamic) power distribution box

1. General

This product is designed and manufactured using international IEC standards and national standards. The components in the box are selected from foreign electrical products, or domestically produced relatively advanced electrical components.

Power distribution box is suitable for industrial and mining enterprises, commerce, service industry, and civil buildings under AC 50Hz, voltage up to 600V three phase three wire. three phase four wire power distribution series for power or lighting distribution.

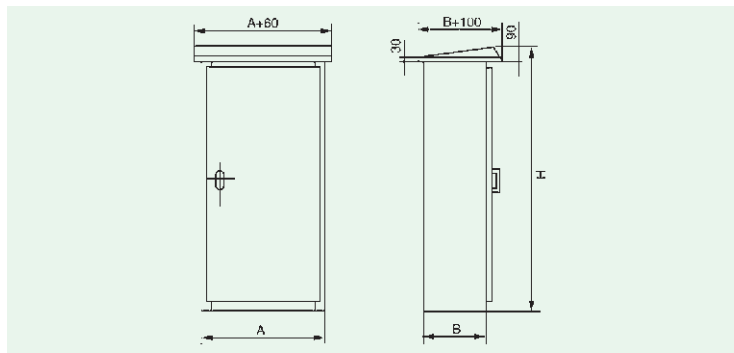


2. Uses and features

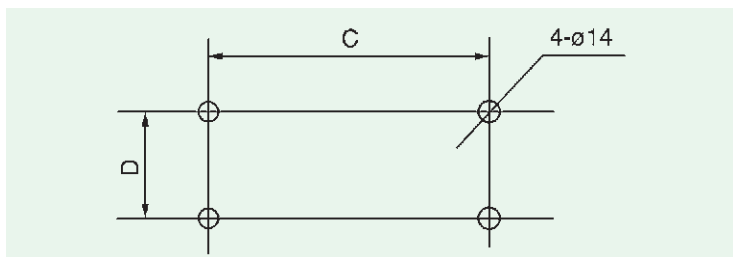
This box is an outdoor device. There is a waterproof cover on the top of the box, and a gap is left between the top cover and the box to facilitate heat dissipation and moisture. The box is divided into inner door, outer door, and the outer door is surrounded by waterproof rubber strips and grooves. The inner door can be equipped with meters, lights, buttons, and switches.

The box is divided into two types: floor-mounted and hanging. The bottom of the box has cable entry and exit holes.

3. Shell size (mm)



4. Installation example



5. Size series(mm)

| H | A | B | C | D | Remark |
|------|-----|-----|-----|-----|---------------------|
| 1800 | 700 | 400 | 650 | 300 | Outdoor single door |
| | 800 | | 750 | | |
| | 900 | | 850 | | |

JXF series distribution box

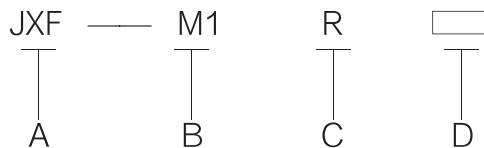
1. General

This product adopts a new type of power distribution box designed and manufactured by international IEC standards and national standards. This product uses foreign electrical components. or domestically produced relatively advanced electrical components.

Distribution boxes are widely used in power plants, substations, factories, schools, and other buildings for lighting equipment, motor startup, motor protection, motor sockets and other power distribution. And provide overload, short circuit leakage protection.



2. Product model meaning



A Distribution box model: JXF series

B Distribution box code

Lighting box code: M1 ACM ACP SDB

Code of light control box:Gk

Remote control box code:Yk

Time Control Box Code: Sk

Accident switch box code:QA QD

Accident input box code:TA

Socket Box Code:C

Closed switch box code: MK

C installation method

R: Concealed installation

No R: surface-mounted, or indoor and outdoor surface-mounted, concealed universal housing

D configuration code (depending on the actual situation)

Accident input box code:TD

Maintenance box code: J

Transformer box code: B

Emergency power box code: JJ

Inverter box code: N

Switch box code: K

Button box code: A

Closed Socket Box Code:MC

3. Product structure

This power distribution box (cabinet) is closed, and the shell is generally welded with cold-rolled steel plates, or it can be assembled with profiles. The left and right side walls of the box can be welded with electrical component installation columns, or the entire installation plate can be used. Adopting standardized design and production, the same products can be all interchangeable, the surface is sprayed with plastic, fixed and flat, and can also be operated with a full serial number. The above can be operated with the voltage, ammeter indicator light measurement and button operation: the device can be detected when the door is opened, or the double bottom plate for hands prevents personnel from directly contacting the electric conductor to ensure the safe.



ATS series dual power distribution box

1. Technical parameters

| | |
|--|--|
| Standards compliant | IEC439-1、VDE0660-500、GB7251.1 |
| Protection class | IP55 |
| Rated working voltage | 690VAC |
| Rated insulation voltage | 690VAC、800VAC |
| Rated frequency | 50HZ |
| Insulation class | Class C |
| Ambient temperature | Maximum temperature: 40°C Minimum temperature: -5°C |
| Workplace | Max.40°C、Min.-5°C |
| Altitude | Indoor installation |
| Relative humidity | 2000米 (m) |
| Grounding system | 90% at 20 °C |
| Creepage distance and air clearance meet DIN VDE 0110 standards | |

3. Structural features

- ☆ Assembly / welding of high-strength galvanized steel sheet
- ☆ Panel is transparent acrylic / galvanized steel
- ☆ Modular structure, good insulation performance, corrosion resistance, aging resistance, dust resistance, moisture resistance
- ☆ With automatic pressure relief device
- ☆ There are knockout holes or flange plates on the upper, lower and both sides of the box
- ☆ It can be assembled and combined
- ☆ Can be used for wall-mounted, recessed and floor-mounted
- ☆ Suitable for lighting and power distribution in harsh environment

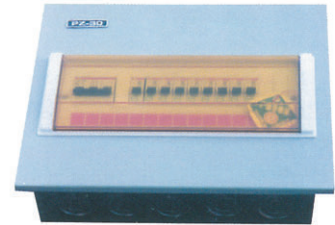
2. Characteristics of the distribution box

| Electric | | | |
|---|--------------|-------------------|--------------------|
| Insulation strength | KV/mm | 15 | 35 |
| Surface resistance | Ω | 1×10 ⁹ | 1×10 ¹⁵ |
| Heat | | | |
| Continuous heat resistance | °C | -40/+120 | |
| Drop weight heat resistance | Ncm | >700 | >4000 |
| Chemical stability | | | |
| Acid | MCW* | <10% | >10% |
| Alkali | MCW | <10% | >10% |
| Oil | MCW | <10% | >10% |
| Alcohol | MCW | <10% | >10% |
| Gasoline | MCW | <10% | >10% |
| Grease | MCW | <10% | >10% |
| Salt solution | MCW | <10% | >10% |
| Kerosene | MCW | <10% | >10% |
| Atmospheric stability | | | |
| Salt spray test | DIN 50 021 | | |
| WaterAbsorption | mg | <150 | <10 |
| Combustibility | | | |
| Hot filament test | DIN VDE 0471 | | 960°C |
| MCW: Maximum concentration in the workplace | | | |

PZ30 series distribution box

1. General

The PZ30 terminal electrical box is a device for installing terminal electrical appliances. All internal components are assembled on the top hat-shaped track in accordance with IEC715-87 using electrical appliances with a module width of 9mm. Shell with new materials, new technology and new shape, the structure is novel, electrical performance is reliable, with high breaking ability, good current limiting characteristics, to meet the latest requirements of domestic and foreign users.

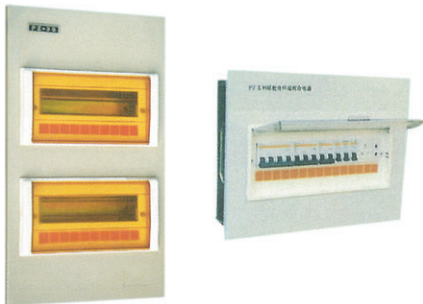


The design standards of PZ30 terminal electrical box are GB7251-7-87, IEC439.1-8, BS5486.1-86 and BS5486.13-86.

2. Scope of application

PZ30 terminal electrical box is suitable for high-rise buildings, hotels, shopping malls, stations and ports, industrial and mining enterprises and civilian residences, as a complete set of circuit control and power distribution devices. It is suitable for end circuits of single-phase three-wire and three-phase five-wire with a rated voltage of 220V or 380V, and the total load current is not greater than 100A. It can control electrical equipment and protect against overload, short circuit, overvoltage and leakage, especially suitable for non-professional use.

3. Structural features



PZ30 terminal electrical box, the main structural components are transparent cover, cover, box, installation rail, busbar, wire cover and electrical switching elements, etc., the built-in electrical switching elements are installed on the top hat rail, which can be arbitrarily according to needs. It is easy to assemble and disassemble, the switch element handle is exposed, the live and other parts are covered inside the upper cover, the door can be easily operated, and it is safe to use. There are knockout holes for the entry and exit lines around the box and the back for easy wiring.

The cabinet is divided into two types: metal type and full plastic type. It can be used for both open and dark loading.

4. Main technical parameters

| Specification | Width | High | Deep | Specification | Width | High | Deep |
|---------------|-------|------|------|---------------|-------|------|------|
| PZ30-2 | 95 | 150 | 90 | PZ30-15 | 420 | 340 | 90 |
| PZ30-4 | 130 | 150 | 90 | PZ30-18 | 470 | 340 | 90 |
| PZ30-6 | 260 | 340 | 90 | PZ30-20 | 340 | 560 | 90 |
| PZ30-8 | 300 | 340 | 90 | PZ30-24 | 360 | 560 | 90 |
| PZ30-10 | 340 | 340 | 90 | PZ30-30 | 420 | 560 | 90 |
| PZ30-12 | 360 | 340 | 90 | PZ30-36 | 470 | 560 | 90 |

Certifications



| | | | | | | |
|---|---|---|--|---|---|---|
| <p>MA 201200348Z</p> <p>国家</p> <p>申请编号: A 产品名称: X 型号: A 检测机构: Ⅲ</p> | <p>MA 201200348Z</p> <p>国家</p> <p>申请编号: A 产品名称: X 型号: A 检测机构: Ⅲ</p> | <p>MA 201200348Z</p> <p>国家</p> <p>申请编号: A 产品名称: X 型号: A 检测机构: Ⅲ</p> | <p>MA 2012002878Z</p> <p>实验室名称: 国家 Client: 国家</p> <p>委托单位: Client: 产品名称 Name of Product 产品型号 Product Type 检验类别 Test Category</p> <p>本实验室对出具 不得部分地复制本册 The laboratory is not be reproduced ex</p> | <p>MA 201200348Z</p> <p>国家</p> <p>申请编号: A 产品名称: X 型号: A 检测机构: Ⅲ</p> | <p>MA 201200348Z</p> <p>国家</p> <p>申请编号: A 产品名称: X 型号: A 检测机构: Ⅲ</p> | <p>报告编号: 12001-20160906-2</p> <p>MA CQC-MA CNAS 1507 (2012) 国认监认字 (514) 号</p> <p>国家强制性产品认证 试验报告</p> <p>■新申请 □变更 □监督 □复审 □其他:</p> <p>申请编号: A2014C000301-1911123 (任务编号) 产品名称: 低压配电箱 型号: GGD</p> <p>检测机构: 国家中低压配电设备质量监督检验中心 (镇江市产品质量监督检验中心)</p> <p>CQC</p> |
|---|---|---|--|---|---|---|



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