

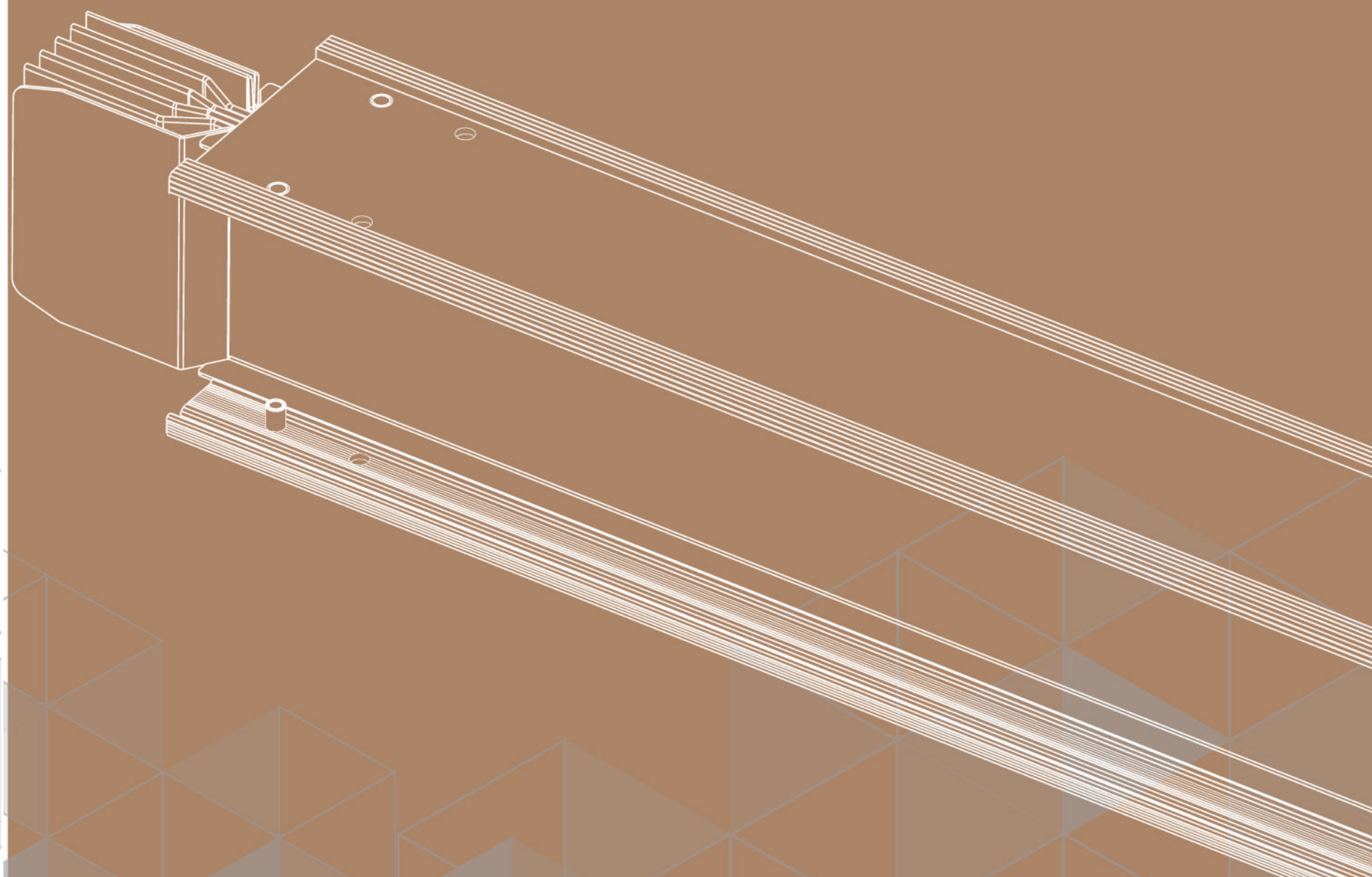


# 西朗电气工业集团有限公司

Cylon Electric Industry Group Co., Ltd

## 高低压·母线槽系列产品手册

High and Low Voltage · Busway System Product Manual



# CYLON

西 朗 电 工

### 西朗电气工业集团有限公司

Cylon Electric Industry Group Co., Ltd

集团E-MAIL: [cylongroup@163.com](mailto:cylongroup@163.com)  
商务E-MAIL: [cylon1999@163.com](mailto:cylon1999@163.com)

总部地址: 安徽省滁州市南谯区芦庄路89号

山东地址: 山东省青岛市城阳区棘洪滩路97号山东华通大厦7楼

安徽地址: 安徽省合肥市包河区银泉广场三楼307室

浙江地址: 浙江省杭州市钱塘区下沙街道金沙世纪大厦1306-2室

湖北地址: 湖北省武汉市洪山区关东河路滨江万科中心9楼902-2室

东北大区: 辽宁省沈阳市皇姑区塔湾街7号信银汇F2座2208室

河北地址: 河北省廊坊市文安县文安工业园区

广东地址: 深圳市龙岗区园山街道西坑社区宝桐北路33号厂房二A301室

四川地址: 成都市武侯区世纪城路922号05东方希望天祥广场8楼3311号

Headquarters Address: No. 89 Luzhuang Road, Nanqiao District, Chuzhou City, Anhui Province

Shandong Address: Room 700, Shandong Huatong Building, No. 97 Jixianqiao Road, Chengyang District, Qingdao City, Shandong Province

Anhui Address: Room 307, 3rd Floor, UnionPay Plaza, Baohe District, Hefei City, Anhui Province

Zhejiang Address: Room 1306-2, Jinsha Century Building, Xiaoshan Street, Qiantang District, Hangzhou City, Zhejiang Province

Hubei Address: Room 902-2, 9th Floor, Binjiang Vanke Center, Jiatiaohe Road, Hongshan District, Wuhan City, Hubei Province

Northeast Region: Room 2208, Building F2, Xinyuehui, No. 7 Tawan Street, Huanggu District, Shenyang City, Liaoning Province

Hebei Address: Wen'an Industrial Park, Wen'an County, Langfang City, Hebei Province

Sichuan Address: Room 3311, Building B, Dongfangxiang Tianming Plaza, No. 922 Shijicheng Road, Wuhou District, Chengdu City, Sichuan

Guangdong Address: Room A301, Building 2, No. 33 Baotong North Road, Xikeng Community, Yuanshan Street, Longgang District, Shenzhen City, Guangdong Province

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工 业 西 朗 为 工 业 安 全

CYLON for industrial safety

全 球 工 业 输 配 电 首 选 品 牌

The world' s first choice dustrial power transmission

安 全   节 能   高 效   经 济

Safe   Energy Conservation   Efficient   Economy

信 任   专 业   细 节   迅 速

Trust   Expertise   Swift   Attention

始于1999  
Since 1999

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# ABOUT CYLON GROUP

## 关于西朗



西朗集团成立于1999年，是一家专业集电气设计、研发、生产、销售服务于一体的现代化高新技术企业。公司自创建以来始终坚持“诚信、创新、品质”为企业立业宗旨，以“技术+服务”为立业之根本。

CYLON Group was founded in 1999 and is a modern high-tech enterprise specializing in integrating electrical design, R&D, manufacturing, sales, and service under one platform. Since its establishment, the company has always adhered to the principles of "Integrity, Innovation, and Quality" as its founding mission and regards "Technology + Service" as the core foundation of its business.



西朗集团始终致力于科技创新和管理升级，成功构建涵盖质量、环境、职业健康、安全的标准化管理体系。同时通过CQC产品安全认证及CCC国家强制性产品认证，形成覆盖全流程的标准化认证体系。

CYLON Group has been committed to scientific and technological innovation and management upgrades, successfully establishing a standardized management system covering quality, environment, occupational health, and safety. Additionally, it has obtained certifications such as CQC (China Quality Certification Center) product safety certification and CCC (China Compulsory Certification) national mandatory product certification, forming a comprehensive standardized certification system covering the entire process.

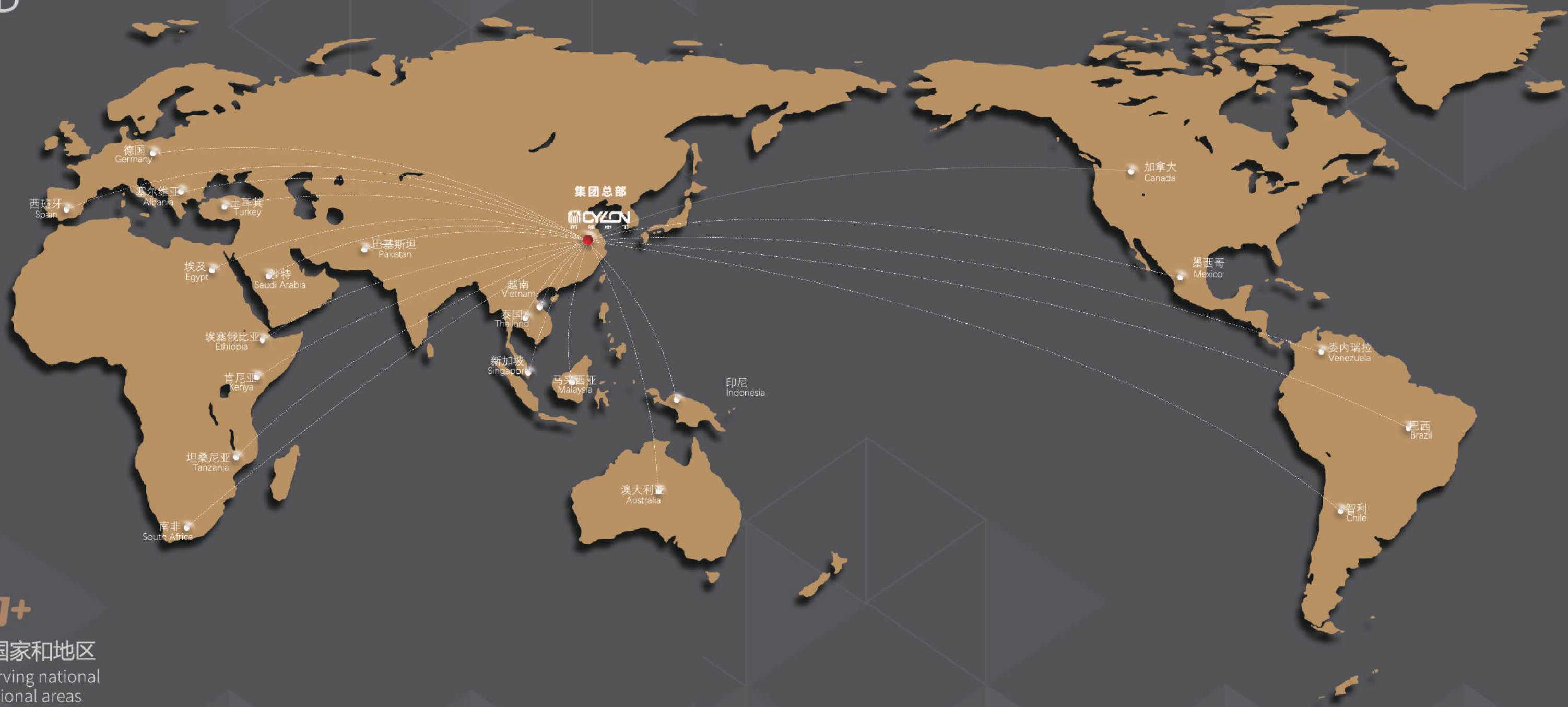


西朗集团拥有多项电气工业产品及技术的专业生产许可。凭借先进技术、卓越品质与完善服务，我们立足于电气行业，并致力于将西朗打造为输配电领域的国际一线品牌。

CYLON Group holds multiple professional production licenses for electrical industrial products and technologies. Leveraging advanced technology, superior quality, and comprehensive services, we have established a strong position in the electrical industry and are committed to positioning XiLang as a world-class brand in the power transmission and distribution sector.



西朗集团  
服务全球  
SERVING  
THE WORLD



<b>1999</b>	<b>60+</b>
西朗成立	服务国家和地区
5 Subsidiaries	+60 Serving national and regional areas
<b>100+</b>	<b>300000+</b>
专业技术人员	累计服务客户
+100 Professional technical personnel	+30000 cumulative customers



# 国内市场 服务全国 RADIATING THE WHOLE COUNTRY



**9**  
分公司  
9 Subsidiaries

**30**  
销售办事处  
+30 Sales Offices

**8**  
技术服务网点  
8 Technical Service Outlets

**12**  
物流公司  
12 Logistics companies

## CUSTOMERS

全国众多知名企业的选择







Pursuit Of Perfection Pursuit Of Excellence Implement Lean Production  
追求完美 追求卓越 实施精益生产

企业愿景

Enterprise vision

助力节能绿色的先行者

A pioneer in energy conser ration and green development

企业价值观

Enterprise values

安全 高效 节能 经济

Safe, Efficient, Energy-saving , Economic

企业使命

Corporate mission

推动电力创优, 构建电力互联网

Promote the excellence of electric powerand build the electric power internet

企业标语

Enterprise slogan

工业西朗为工业安全

Industrial Cylon for industrial safety



服务体系  
解决方案  
SERVICE SYSTEM  
SOLUTION

● 项目启动  
Project Initiation

● 方案设计  
Design Planning

● 现场勘察  
On-site survey

AUTO CAD  
● 施工图深化  
Construction Detailing

● 下单排产  
Place an order  
Production schedule

● 产品生产  
Product Production

● 售后服务  
After-sales  
Service Planning

● 验收交付  
Delivery Acceptance

● 通电前测试  
Pre-electrification  
testing

● 预留连接措施  
Contingency link  
Measures

● 现场技术支持  
及安装指导  
On-site technical support  
& Installation service

● 专车运输  
Special vehicle  
transportation

● 综合测试  
Comprehensive  
testing

**30人+**  
项目执行团队  
+30 Member Project  
Execution Team

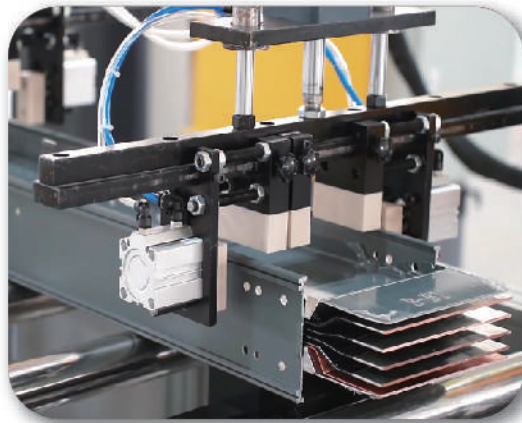
**130人+**  
安装施工团队  
+130 Installation  
And Construction

**60辆+**  
全国物流车辆  
+60 National Logis-  
tics Vehicles



技术优势 先进工艺  
TECHNICAL ADVANTAGES  
ADVANCED TECHNOLOGY

质量把控 项目管理  
QUALITY CONTROL  
PROJECT MANAGEMENT



**领先的技术优势**  
Leading Technical Advantages

国际合作研发经验  
International Collaborative R&D expertise  
安全节能设计理念  
Safety & energy-efficient design  
绿色技术发展引领  
Green technology leadership  
中法双研发中心协同  
China-France R&D synergy

**先进的制造工艺**  
Advanced Manufacturing

全自动智能生产线  
Fully automated production  
绿色技术高效应用  
Eco-tech application  
制造工艺持续创新  
Continuous innovation in manufacturing processes  
全流程质量可靠性保障  
End-to-end reliability

**精益的生产管理**  
Lean Production Management

现场6S管理  
6S Site Control  
智能管控与标准流程双向驱动  
Smart Governance & Standard Processes Dual-Driven  
严控微尘、规范操作  
Strict Particulate Control | Standardized Operations  
保障品质升级  
Ensuring Quality Evolution

**全面的项目管理**  
Comprehensive project management

全周期工程管理服务  
Full-cycle engineering services  
定制化解决方案设计  
Customized solutions  
专业安装售后团队  
Professional Installation & After-Sales Team  
透明化物料追溯系统  
Material tracking transparent system

**严格的质量控制**  
Strict quality management

智能化质控体系  
Smart QC system  
双重检测把关  
Dual-Check Safeguard System  
100%出厂合规认证  
100% compliance certification  
持续改进质量指标  
Continuous quality improvement

**卓越的专业团队**  
Excellent professional team

精锐创新，技术领航  
Innovation-Driven Excellence | Technology Leadership  
提供24小时待命服务  
Provide 24/7 standby service  
高效4小时复命响应  
4-Hour Guaranteed Response  
专业定制化解决方案  
Tailored Professional Solutions



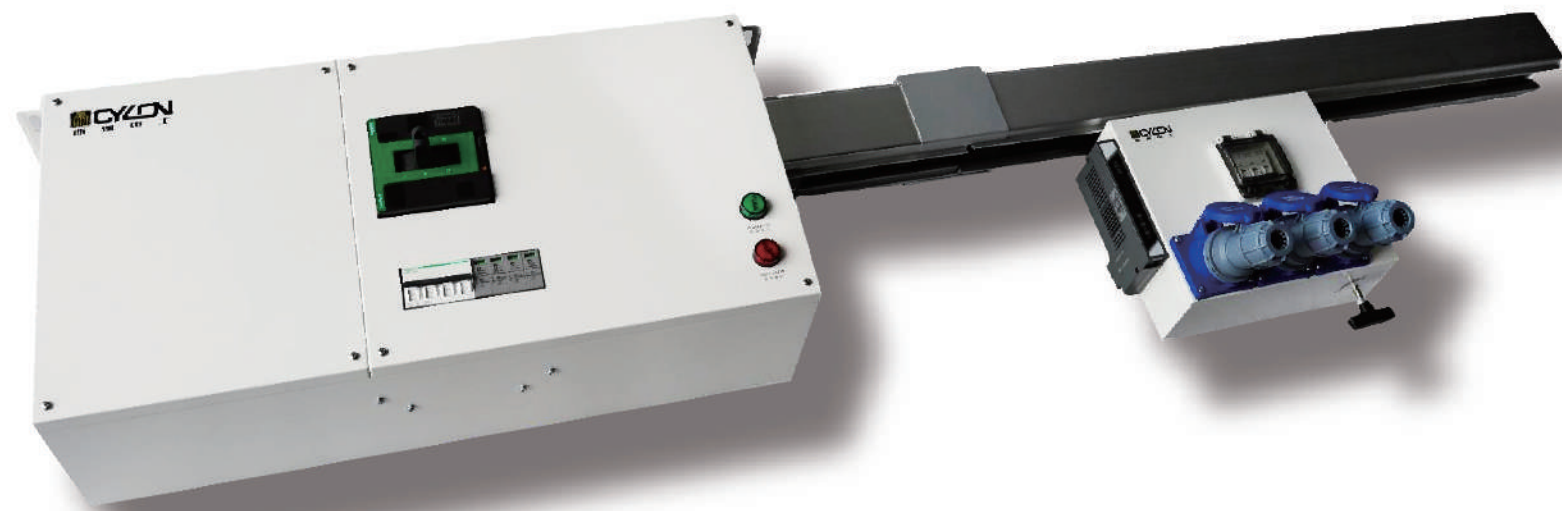
# CY-S系智能型母线槽

## CY-S Intelligent Small Busway System

### 智能分配&灵活需求

精密系统、网络监控、数字配电技术

*Intelligent allocation and Flexible demand*  
*Precision systems, Network monitoring, Digital power distribution technology*



#### 产品特点



##### 绝缘保护壳

Insulation sheath

阻燃及玻纤增强 PC(聚碳酸酯)挤塑型材;

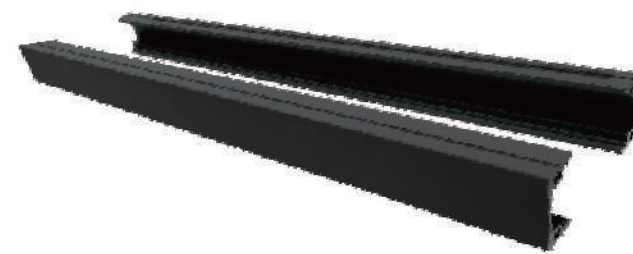
绝缘等级 B级, 耐温 130°C 以上;

阻燃级别 V0, 不含卤化物, 高温及火灾状态无有害气体产生.

Flame retardant and glass reinforced PC (polycarbonate) extruded profiles.

Insulation class B, with temperature resistance above 130°C;

Flame retardant grade V0, halide-free, toxic gases-free under high temperature or fire environment.



##### 母线导体

Busbar conductor

高纯度无氧电工用铜排, 纯度>99.98%;

电阻率 $\leq 0.0177 \times 10^{-6} \Omega \cdot m$ , IACS导电率>97%;

表面整体镀锡或镀银处理.

High-purity oxygen-free electrical copper busbar, with a purity >99.98%;

Electrical resistivity  $\leq 0.0177 \times 10^{-6} \Omega \cdot m$ , IACS conductivity >97%;

Surface overall tin-plated or silver-plated treatment



##### 母线外壳

Busway housing

6063(T5)铝镁合金型材, 厚度 $\geq 2.5mm$ , 布氏硬度 $\geq 60HB$ ;

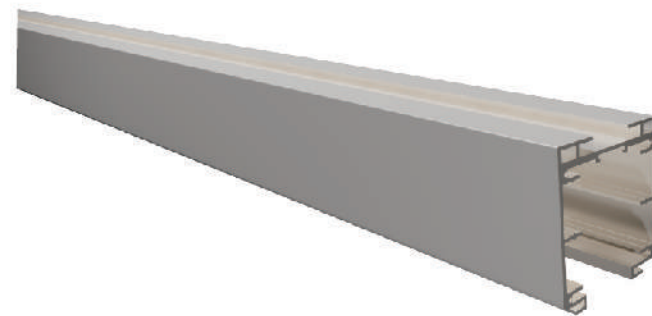
可根据客户需求, 表面阳极氧化或静电喷涂处理;

外形美观、机械强度高、散热快、抗氧化能力强(盐雾试验1800h).

6063(T5)aluminum-magnesium alloy profile, thickness = 2.5mm, Brinell hardness  $\geq 60HB$ ;

Surface anodizing or electrostatic powder painting according to customer requirements;

Good appearance, high mechanical strength, fast heat dissipation and strong anti-oxidation ability (salt spray test 1800h).



##### 连接器

Joint pack

铝合金型材配合工程塑料, 精致美观;

高强铝合金型材连接板保证段间可靠机械连接的同时, 确保外壳的电气连续性;

无需专用工具, 力矩扳手即可完成连接;

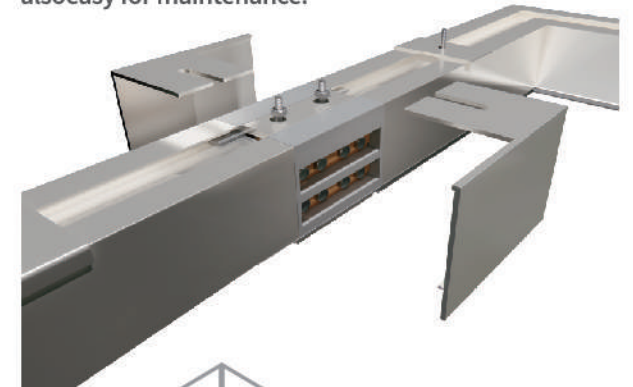
导体连接直观可靠, 方便检修.

The appearance parts are made of aluminum alloy profiles and engineering plastics, which are exquisite and aesthetic;

Connecting plates made of high-strength aluminum alloy ensure reliable mechanical connection and electrical continuity of enclosures;

Connection can be completed only by torque wrench, without any special tools;

The connection of conductors are intuitive and reliable, also easy for maintenance.



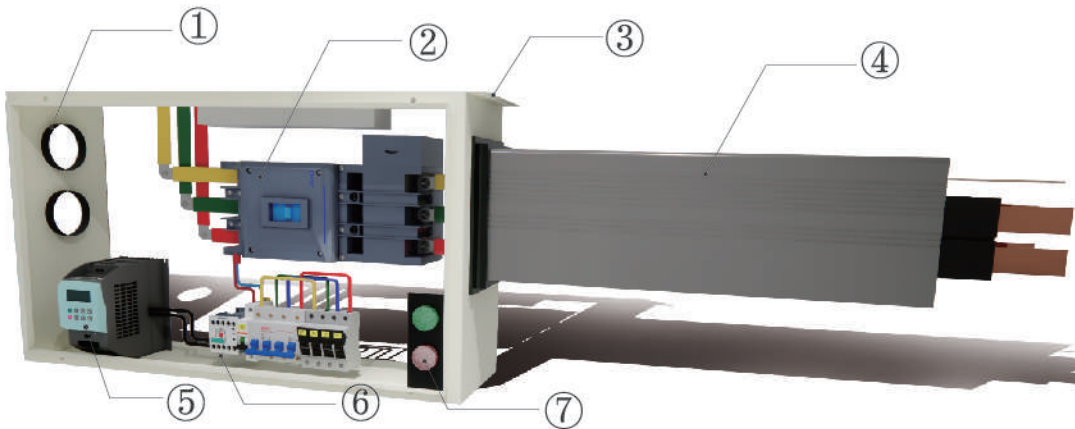






# 主要单元(FE)

## 始端箱 Entry box



- ① 电缆护套 Cable sheath
- ② 断路器 Circuit breaker
- ③ 吊装卡位 Suspension clamp
- ④ 母线 Busway
- ⑤ 监测模块 Monitoring module
- ⑥ 电流互感器 Current transformer
- ⑦ 信号指示灯 Signal indicator light

- 一体式设计, 采用连接器即可与母线干线连接;  
Integrated design, which can be connected to the busbar trunk line with a connector;
- 多种配置可选(断路器、避雷器、监测模块、智能仪表等);  
Various configurations are available (circuit breakers, surge arresters, monitoring modules, smart meters, etc);
- 可按需设置进线及操作方式;  
The incoming line and operation mode can be set as needed;

### • 母线槽 型号选择 Busway Model Selection

母线外壳尺寸统一, 标准长度分为3m、2.4m、1.8m、1.2m、0.6m;  
Busway have the same shell size, with standard lengths of 3m, 2.4m, 1.8m, 1.2, 0.6m.  
外壳采用高强度铝合金材料, 增强母线耐划痕、耐盐雾及抗腐蚀;  
The shell is made of high-strength aluminum alloy to enhance scratch resistance, salt mist resistance, and corrosion resistance.

### Cylon - 250A - L3000

母线名称  
Busbar Name

电流等级:  
Current Rating  
160: 160A  
200: 200A  
250: 250A  
315: 315A  
400: 400A  
630: 630A  
800: 800A

长度:  
length  
600: 0.6m  
1200: 1.2m  
1800: 1.8m  
2400: 2.4m  
3000: 3.0m  
\*\*\*\*: 特殊



## 参数型号编码 Parameter Model Code

### • 始端箱型号选择 Selection of Starting Terminal Box

用于电缆连接母线用端接  
Used for the connecting end of the cable to the busbar.

Cylon - SL 250 LF - 01 L

母线名称  
Busbar Name

进线箱  
Incoming Box

电流等级:  
Current Rating  
250: 250A  
400: 400A

位置码:  
Position Code  
LF: 左前  
Left Front  
LB: 左后  
Left Rear  
RF: 右前  
Right Front  
RB: 右后  
Right Rear

智能模块:  
Intelligent Module:  
空白: 无  
Blank: No  
L: 有、有线  
Yes, wired  
W: 有、无线  
Yes, wireless

设计代码:  
Design Code  
00: 无开关、无防雷  
No switch, no lightning protection  
01: 有开关、无防雷  
With switch, no lightning protection  
02: 有开关、有防雷  
With switch, with lightning protection  
03~99 用于特殊区分不同规格高设计  
Used to specially distinguish different specification designs .

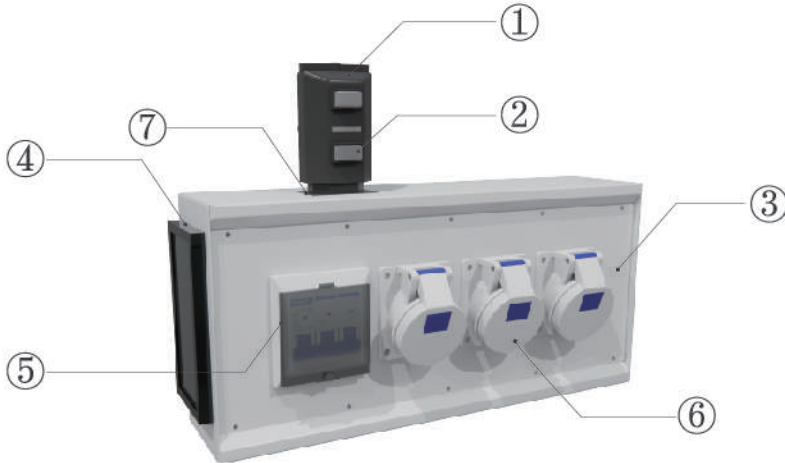


额定电流(A) Rated Current	L (mm)	W (mm)	H (mm)
160 ~ 800A	800	400	200



# 主要单元(FE)

## 插接箱 Plug-in Box



- ① 插接装置 Plug device
- ② 回弹接电端子 Spring-loaded Terminal
- ③ 箱体 Tap-off box
- ④ 通讯端口 Communication port
- ⑤ 微断保护罩 Protection cover for micro-circuit breaker
- ⑥ 工业插座 Industrial socket
- ⑦ 连锁机构 Interlock mechanism

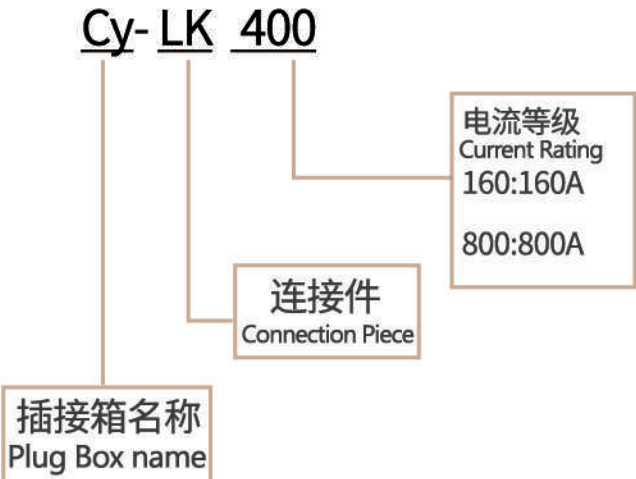
- 铝合金/工程塑料复合箱体, 强度高、重量轻; Aluminum alloy/engineering plastic composite box body, high strength and light weight;
- 高弹高导电铜接电端子, 接触点应力持久, 温升低; Highly elastic and highly conductive copper-plated electrical terminals with durable contact point stress and low temperature rise;
- 全电参量+四点温度监测, 可对系统运行状态进行实时监控和预警; Full electrical parameters + four-point temperature monitoring for real-time system operation status monitoring and early warning;
- 工业连接器馈出, 快速便捷; Industrial connectors for fast and convenient feed-out;
- 单回路、三回路、六回路可选, 满足各种需求; Optional single circuit, three circuits, or six circuits to meet various needs;
- 配置防错相定位板, 保证插接箱与母线相序自对应; Configure fail - safe gauge plates to ensure that the plug - in boxes automatically correspond to the phase sequence of the busway;
- 快速锁紧机构, 安装及更换更快捷。 Quick-locking mechanism for faster installation and replacement.

### 连接件型号选择

Connection Piece Model Selection

用于将两段母线连接延伸;  
Used to connect and extend two busbars.

组件规格800A-160A等级;  
Component specifications: 800A-160A.

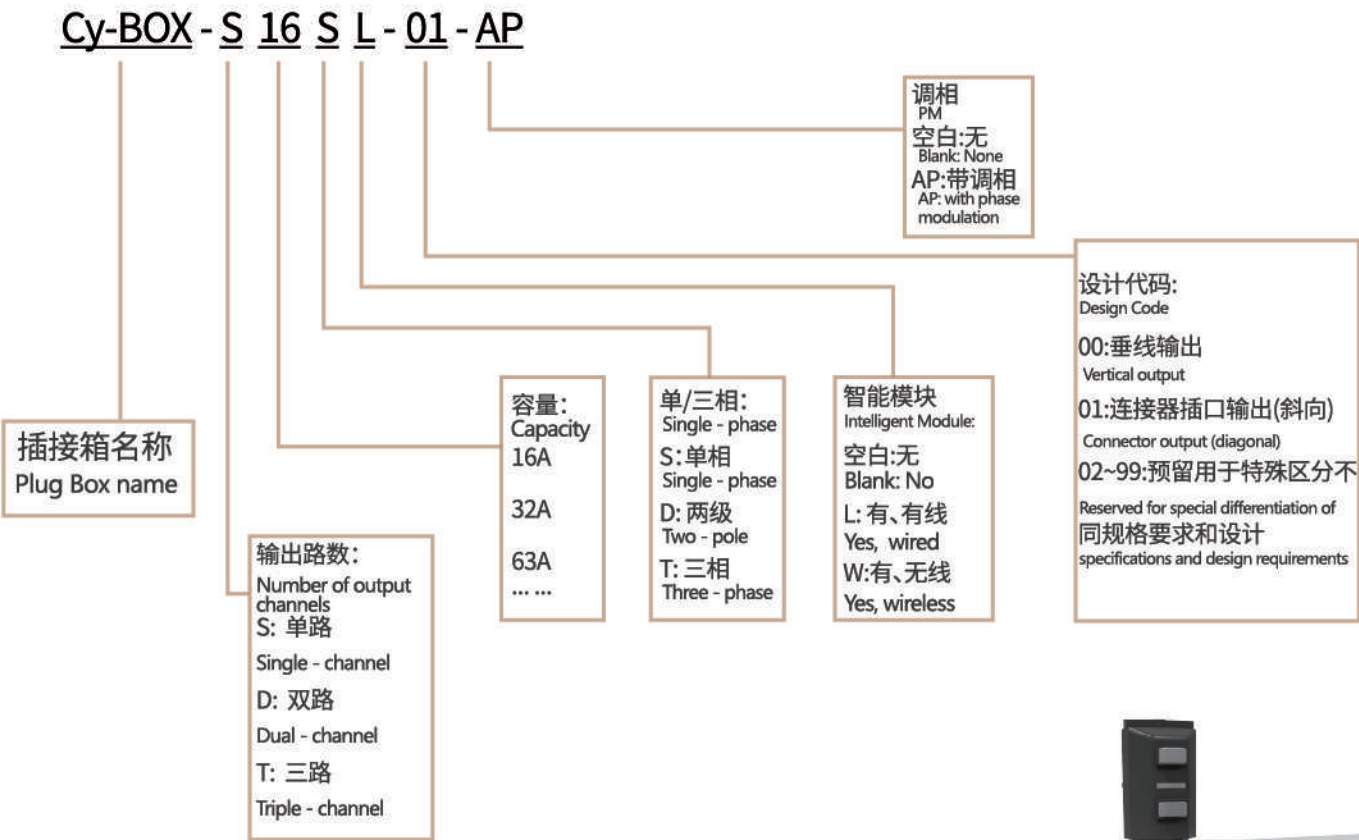


## 参数型号编码 Parameter Model Code

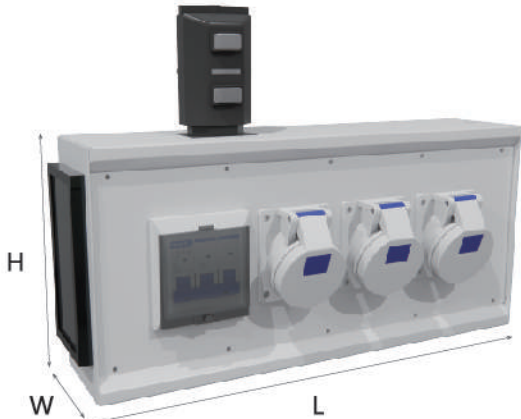
### 插接箱型号选择

Terminal Box Model Selection

- Cy-BOX 可选单路、双路、三路输出型  
Cy-BOX can be selected as single, dual, or triple output type.
- Cy-BOX 可选单极、双极、三极输出型  
Cy-BOX can be selected as single-pole, double-pole, or triple-pole output type.
- Cy-BOX 可带监控可选择有线或无线方式  
Cy-BOX can be monitored with wired or wireless methods.



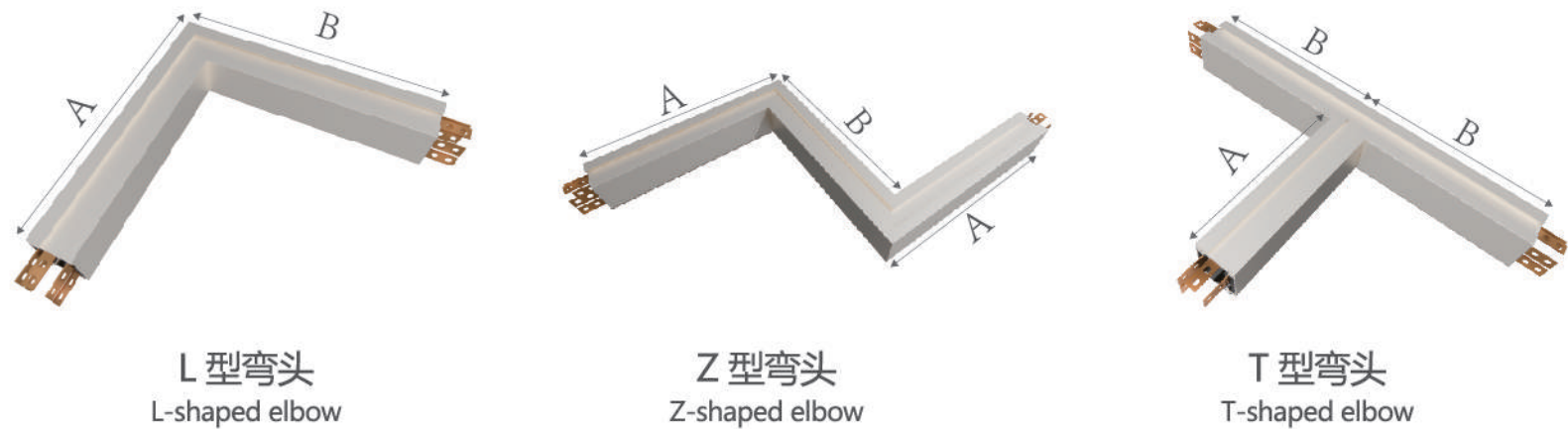
额定电流(A) Rated Current	L (mm)	W (mm)	H (mm)
160 ~ 800A	370	100	270



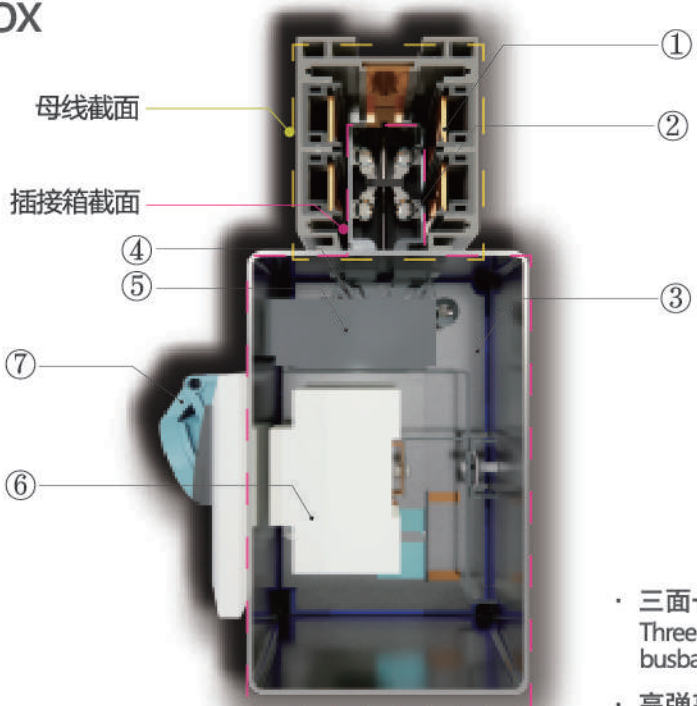


# 转向部件 Rotating Elements

## 弯头 Standard elbow



### 插接箱 Plug-in Box



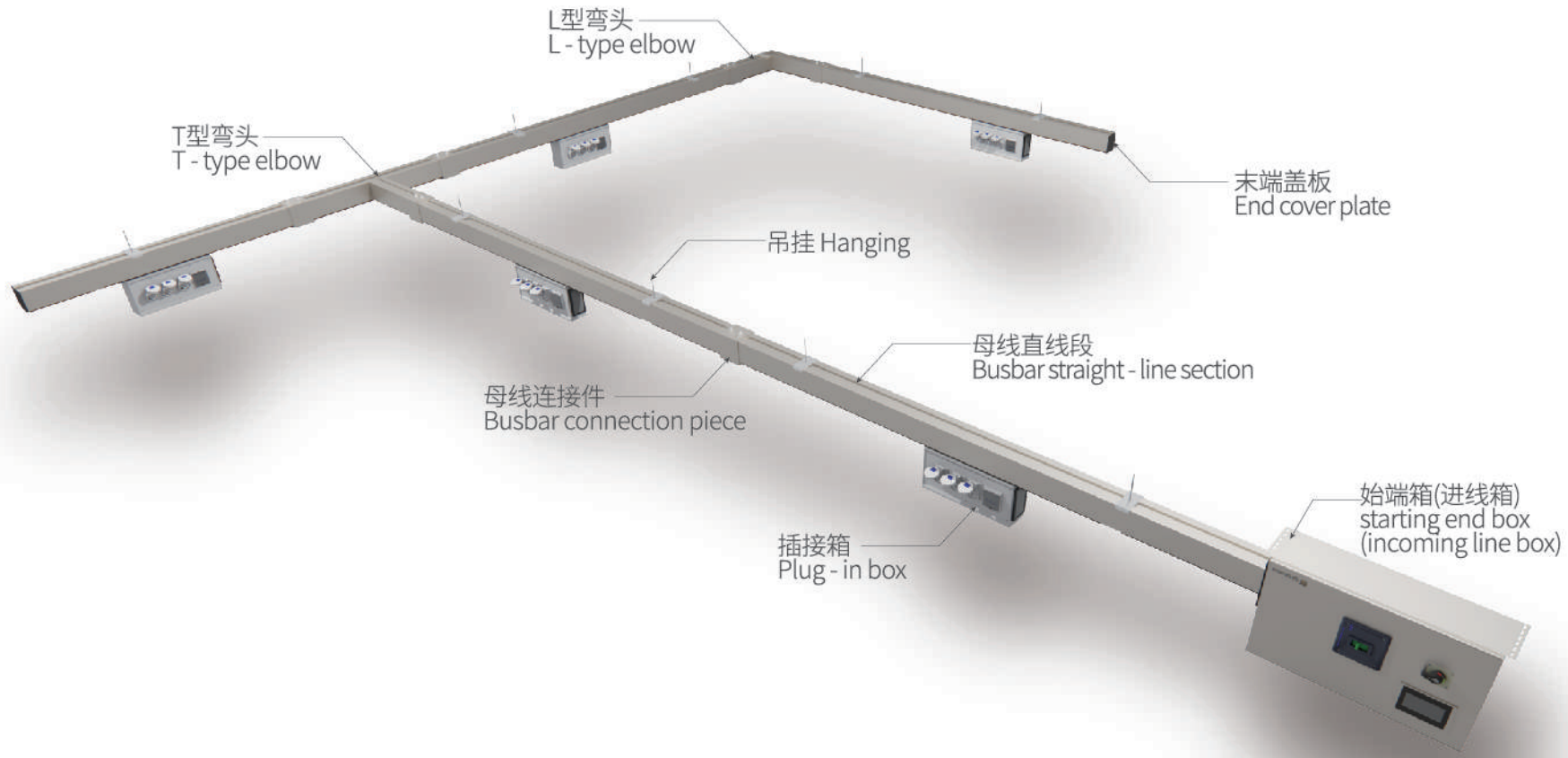
规格 Specification	A	B
160A	500	500
200A	500	500
250A	500	500
315A	500	500
400A	500	500
630A	500	500
800A	500	500

注：超过600mm弯头请下特殊订单，最长可做1000mm。  
Note: For elbows over 600mm, please place a special order, and the longest one can be 1000mm.

- 三面一体式型材+直线型护套和导体，构成母线干线轨道式结构；  
Three-sided integrated profile + linear sheath and conductor, constituting the busbar trunk line track structure;
- 高弹高导电端子由主母排取电分流；  
High-elastic high-conductive terminals extract current from the main busbar;
- 分支电流经过微断保护，由工业连接器输出至PDU；  
Branch current passes through microcircuit protection and is output to PDU via industrial connectors;
- 配置全电量和温度监测模块；  
Configured with full power and temperature monitoring modules;
- 插接箱自带连锁机构，可快速固定于母线底部；  
The plug-in box is equipped with a chain mechanism and can be quickly fixed to the bottom of the busbar.

- ① 母线排 Main copper bar
- ② 回弹接电端子 Spring-loaded Terminal
- ③ 插接箱体 Tap-off box
- ④ 联锁机构 Interlock mechanism
- ⑤ 微断开关 Micro-circuit breaker
- ⑥ 监测模块 Monitoring module
- ⑦ 工业插座 Industrial socket

## 装配灵活 Flexible Assembly





# CY-L-C系列密集型铜母线槽

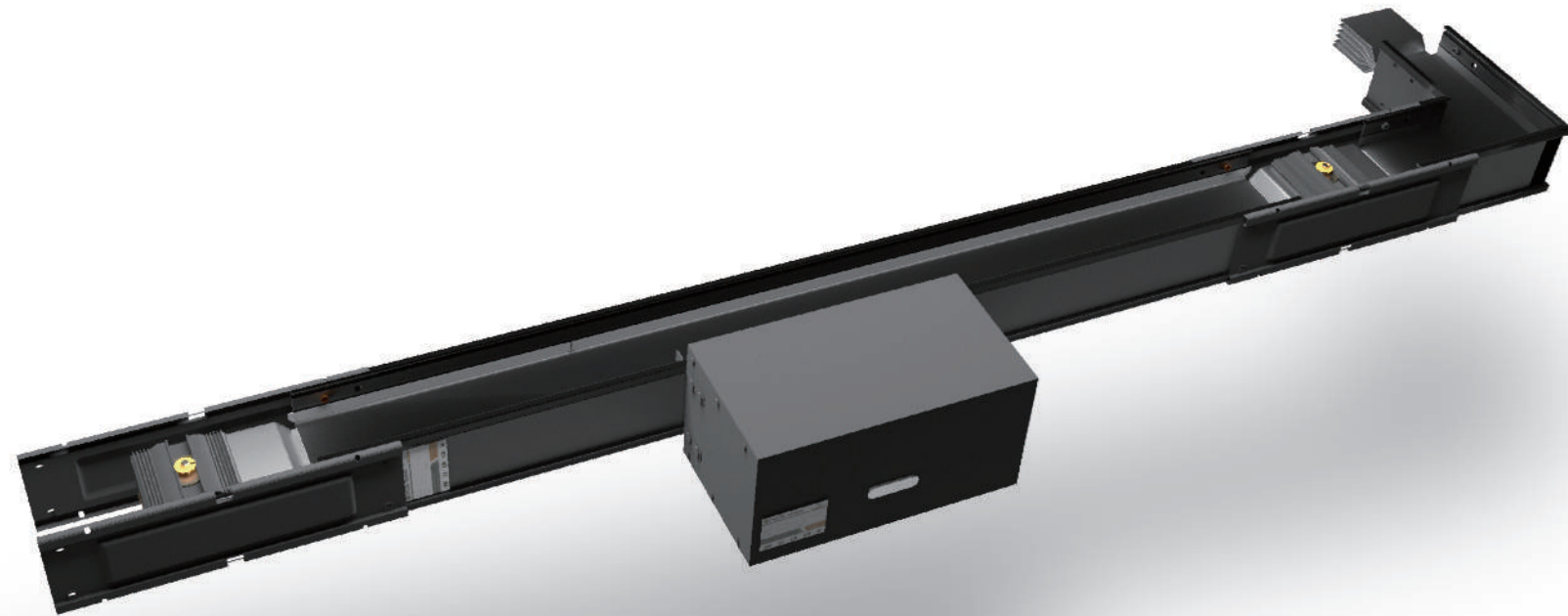
## CY-L Copper Dense Busway System

### 更优秀/创新的结构设计

高性能、高强度、防护等级IP65+

High-quality conductor and excellent insulation materials

High performance, High strength and IP65+ protection level



#### 产品特点



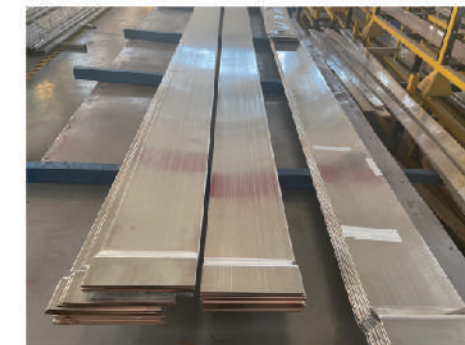
#### 更高的传导效率和更低的损耗 Improved safety performance

CY-L系列母线采用高品质导体和绝缘材料, 优化结构设计, 使L系列母 线具有低线路损耗的优点, 从而大幅提升传导效率和降低成本;

母线整体散热性能优良, 温升指标稳定, 确保母线长期运行的稳定性;

The CY-L series busway utilizes high-quality conductors and insulating materials with an optimized structural design, providing low line losses to significantly enhance transmission efficiency and reduce costs;

The busway's superior heat dissipation performance and stable temperature rise levels ensure long-term operational stability;



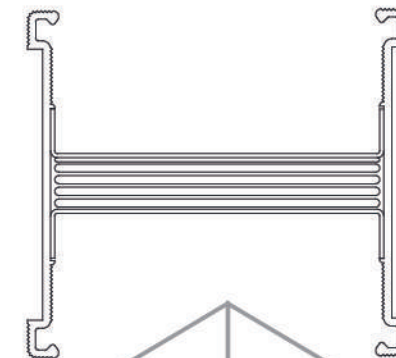
#### “三明治” / “亚” 字型结构 "Sandwich"/"亚" structure

导体紧密排列, 整体散热, 使得母线槽温升值更低;

结构紧密的母线槽更小的占用建筑物空间;

The compact conductor arrangement with integrated heat dissipation results in lower temperature rise of the busway;

The tightly structured busway occupies less building space;



#### 优秀的绝缘性能 Excellent insulation performance

CY-L系列母线槽采用美国杜邦生产的聚酯胶片作为绝缘材料, 绝缘等级为B级130度;

端部采用绝缘等级更高的F级(155度)黑胶作为固定和加强绝缘;

阻燃性能符合UL94标准要求, 是一种安全环保的无卤绝缘材料;

Utilizes DuPont polyester film as the primary insulation material, rated for Class B (130°C) thermal endurance;

Terminal sections reinforced with Class F (155°C) black epoxy resin for superior mechanical fixation and insulation reinforcement;

Flame-retardant performance meets UL94 standards, ensuring halogen-free and eco-friendly insulation properties;



#### 连接器 Active connector

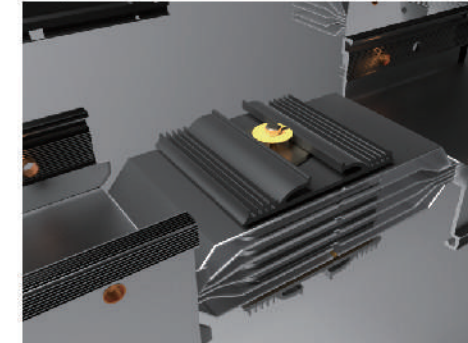
活动式设计, 维修时拆卸或形成电气隔离;

限位设计, 提升安装效率和质量;

连接部位采用电镀银/锡接触面, 双面搭接增大导体的截面, 确保接头具有良好的导电性能;  
Allows quick disassembly during maintenance and creates electrical isolation for safe servicing;

Incorporates precision alignment features to enhance installation efficiency and ensure assembly accuracy;

Utilizes silver/tin-plated contact surfaces with double-sided overlapping joints to expand effective conductor cross-section, guaranteeing low-resistance electrical performance;



#### 更高的安全性能 Enhanced protection capability

接地系统采用先进的整体接地方式(IGB结构), 具有50%的相线容量, 保证地线的整体性和连续性;

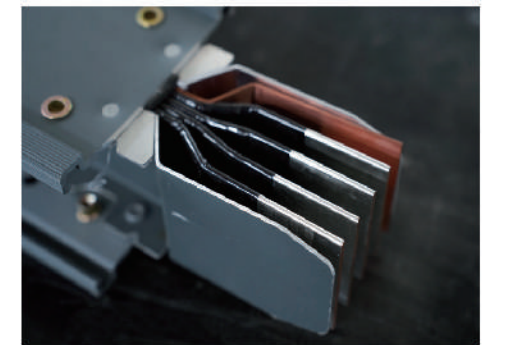
发生高容量的接地故障时, 有效的接地保护整个系统, 同时降低涡流损耗;

母线整体外壳采用 达克罗 铆钉小间距铆接组装, 使母线具备了优良的短时耐受性能, 安全性更高, 消除了人体触电的可能。

The grounding system employs an advanced integrated grounding method (IGB structure) with 50% phase line capacity, ensuring ground line integrity and continuity;

During high-capacity ground faults, the effective grounding mechanism safeguards the entire system while minimizing eddy current losses;

The busway housing adopts Dacromet rivets assembled with minimal spacing, delivering superior short-time withstand performance, enhanced safety, and eliminating electric shock risks;



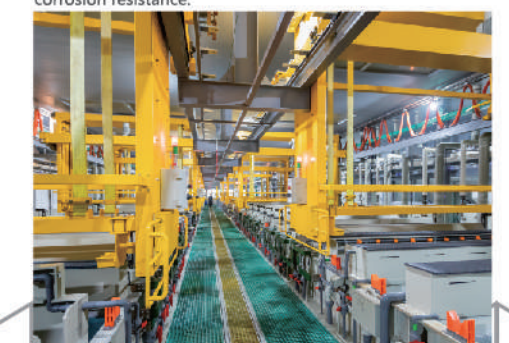
#### 更高的防护能力 Higher transmission efficiency and lower

CY-L系列外壳采用全封闭结构一体加工成型技术, 减少了灰尘在母线槽内的积聚和静电喷涂聚酯粉末;

解决了全铝型材外壳母线接头处防护能力弱的难题, 使母线整体防护能力达到IP66级别, 具有优秀的耐腐蚀性能;

The CY-L series housing adopts a fully enclosed structure formed by integrated molding technology, reducing dust accumulation inside the busway and applying electrostatic spray polyester powder;

It addresses the weak protection issue at joints of full-aluminum-profile housing busways, achieving an IP66 protection rating for the entire busway with excellent corrosion resistance.





# CY-L-A系列密集型铝母线槽

## CY-L Aluminium Dense Busway System

### 高品质导体和优秀的绝缘材料

高性能、高强度、防护等级IP65+

High-quality conductor and excellent insulation materials  
high performance, high strength, and IP65+ protection level



#### 产品特点



##### 优秀的绝缘性能

Excellent insulation performance

CY-L系列母线槽采用美国杜邦生产的聚酯胶片作为绝缘材料,绝缘等级为B级130度;

端部采用绝缘等级更高的F级(155度)黑胶作为固定和加强绝缘;

阻燃性能符合UL94标准要求,是一种安全环保的无卤绝缘材料;

Utilizes DuPont polyester film as the primary insulation material, rated for Class B (130°C) thermal endurance;

Terminal sections reinforced with Class F (155°C) black epoxy resin for superior mechanical fixation and insulation reinforcement;

Flame-retardant performance meets UL94 standards, ensuring halogen-free and eco-friendly insulation properties;



##### 全封闭的外壳

Fully sealed shell

CY-L系列铝导体母线槽外壳全封闭结构,减少了灰尘在母线槽内的积聚,防护等级可达IP66级;

"三明治"结构的导体,配合全封闭的外壳,共同形成了整体散热的传播途径,散热效果更好;

The CY-L series aluminum conductor busway features a fully enclosed housing structure, reducing dust accumulation inside the busway and achieving an IP66 protection rating;

The "sandwich-style" conductor design, combined with the fully enclosed housing, creates an integrated heat dissipation pathway, delivering improved heat dissipation efficiency;



##### "三明治"/"亚"字型结构

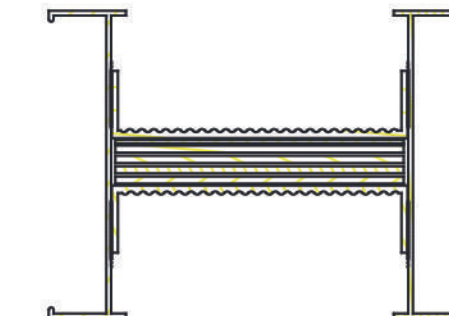
"Sandwich"/"A" structure

导体紧密排列,整体散热,使得母线槽温升值更低;

结构紧密的母线槽更小的占用建筑物空间;

The compact conductor arrangement with integrated heat dissipation results in lower temperature rise of the busway;

The tightly structured busway occupies less building space;



##### 接口和插接箱

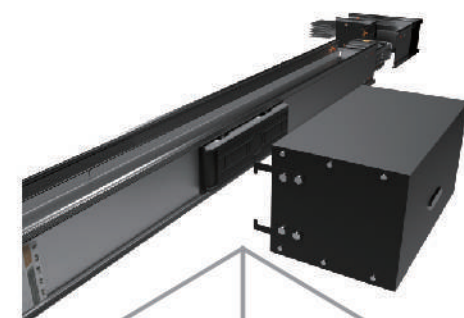
Interface and plug-in box

插接口采用单面或双面布置,插接口数量和间距可根据现场灵活调整;

自主研发的插接箱具有良好的过载保护能力和短路保护能力,并采用接地故障保护功能;

The tap-off interfaces can be arranged in single-sided or double-sided configurations, with their quantity and spacing flexibly adjustable on-site;

The independently developed plug-in box features excellent overload protection, short-circuit protection, and integrated ground fault protection;



##### 通用配件和附件

Universal parts and accessories

CY-L系列铝型母线槽进行了优化的设计,同等电流等级的母线槽配件和附件可以通用;

插接箱和插接口是互相兼容的,这简化了安装和维修的工作量,有效降低了客户成本。

The CY-L series aluminum busway features an optimized design, enabling interchangeability of accessories and components across busway systems with the same current rating;

Plug-in boxes and tap-off interfaces are mutually compatible, simplifying installation and maintenance efforts while effectively reducing customer costs.



##### 连接器

Active connector

活动式设计,维修时拆卸或形成电气隔离;

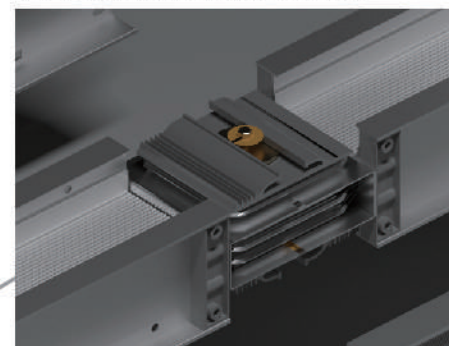
限位设计,提升安装效率和质量;

连接部位采用电镀银/锡接触面,双面搭接增大导体的截面,确保连接头具有良好的导电性能;

Removable design facilitates disassembly or electrical isolation during maintenance;

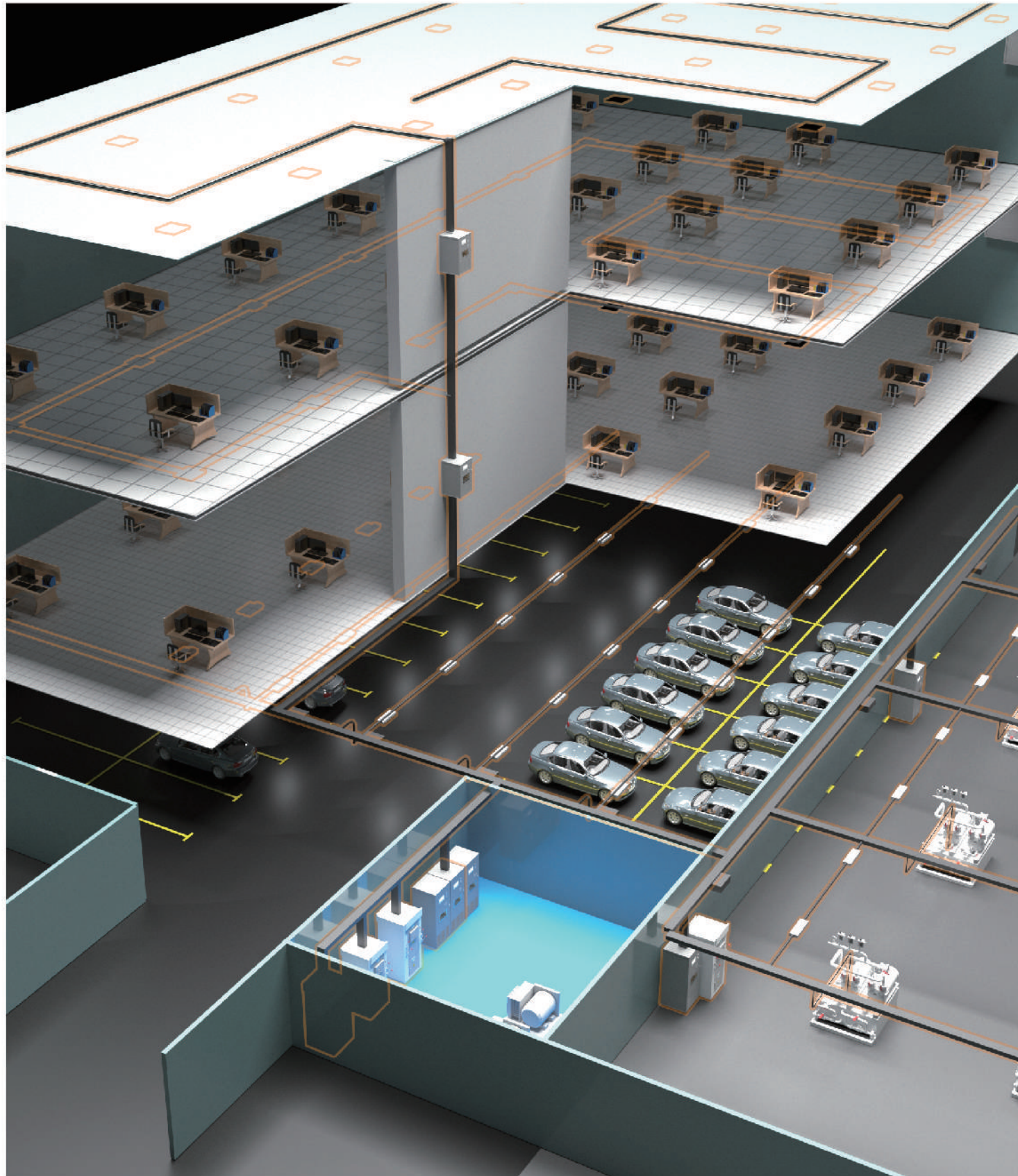
Positioning limiter design enhances installation efficiency and quality;

Silver/tin-plated contact surfaces with double-sided overlapping at connection points increase conductor cross-section, ensuring excellent conductivity;





# 应用场景 APPLICATION SCENARIO



## 应用场景



### 输配电设备的连接

Connecting electrical distribution equipment

连接变压器与配电设备或配电柜间的连接  
Connecting transformers to distribution equipment/panel



### 大型工厂输配电

Electrical distribution in large factories

可用于配电柜连接设备主干电路  
For distribution panel connections to main



### 水平配电

Horizontal wiring distribution

从配电设备向车间内多个用电端供电  
Distributing power from distribution equipment to multiple points within a factor



### 上行配电

Upward electrical distribution

从配电设备向高层建筑各个楼层供电  
Distributing power from distribution equipment to various floors of a building



### 地下车库

Underground parking garages

从配电房连接各楼主干电路  
Connecting distribution rooms to the main



### 变电输送

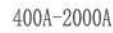
Transmission of transformers

室外电塔连接配电室及变电输送主干电路  
Connecting outdoor pylons to the main distribution room and transformer supply lines





铜 母线槽  
Copper Busway System



## 400A-2000A

250-400	128	63
500	128	73
630	128	83
800	128	98
1000	128	118
1250	128	143
1600	128	173
2000	128	233
2500	128	288
3150	128	368
4000	128	448
5000	128	468
6300	128	548

Endposure 单位长度 Unit Length		0.5-6米之间 0.5-6m之间												
防护等级 Protection Rating		IP54、IP65、IP66												
额定绝缘电压 Rated Insulation Voltage	V	AC690/1000												
额定工作电压 Rated Working Voltage	V	AC400/1000												
额定频率 Rated Frequency	Hz	50-60												
额定电流 Rated Current	A	400	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	
电阻 Resistance R <sub>90</sub>	X10 <sup>-4</sup> Ω/m	99.9	89.1	76.8	65.3	55.1	49.9	44.2	35.6	25.4	15	9.5	7.2	
电阻 R <sub>20</sub> Resistance R <sub>20</sub>	X10 <sup>-4</sup> Ω/m	59.3	53.4	46.9	40.6	33.2	26.8	21.1	13.5	5.2	4.5	4.2	4.1	
阻抗 Z <sub>20</sub> Impedance (Z <sub>20</sub> )	X10 <sup>-4</sup> Ω/m	79.8	72.4	66.1	62.3	59.1	44.5	36.5	28.4	23.1	15	12.7	10.3	
电压降 cosφ=0.95 Voltage Drop cosφ=0.95	V/m	0.146	0.145	0.14	0.139	0.136	0.128	0.126	0.121	0.118	0.116	0.115	0.112	
额定短时耐受电流 I <sub>ts</sub> Rated Short-Time Withstand Current	KA									80	120			
额定峰值耐受电流 Rated Peak Withstand Current	KA									176	264			
电气间隙 Electrical clearance	mm									8	10			
爬电距离 Creepage Distance	mm									20	12.5			
绝缘电阻 Insulation Resistance	MΩ	≥												
接地电阻 Grounded Resistance	Ω	≤0.01												
介电性能 Dielectric Performance		50Hz、2.5kV/1min无击穿、闪络 50Hz、2.5kV/1min, no puncture or flashover												
温升 Temperature Rise	K	≤55/小于等于70												
插接口数量 Number of Plugpoint interfaces		最小0.6米/个 less than 0.6m												
最大固定间距 Maximum fixed interval	m	2												
安装方式 Installation Method		垂直或水平 Vertical or Horizontal												

250-400	128	60
500	128	70
630	128	80
800	128	105
1000	128	130
1250	128	160
1600	128	200
2000	128	240
2500	128	300
3150	128	390
4000	128	460

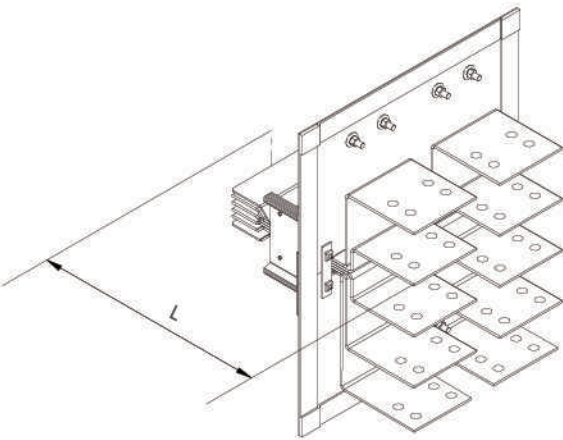
Enclosure 箱体长度 Unit Length 防护等级	1.6,3,6 (0.5-6米之间任选) 1.6, 3, 6 (any selection between 0.5-6 meters)												
Protection Rating	IP54、IP65												
Rated Insulation Voltage	V	1000											
额定工作电压 Rated Working Voltage	V	AC400/1000											
额定频率 Rated Frequency	Hz	50-60											
额定电流 Rated Current	A	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	
电阻 Resistance R20	X10 <sup>-4</sup> Ω/m	104.9	104.9	93.6	80.6	68.6	57.9	52.4	46.4	37.4	26.7	15.8	
电感 Inductance L20	X10 <sup>-4</sup> Ω/m	62.3	62.3	56.1	49.2	42.6	34.9	28.1	22.2	14.2	5.5	4.7	
电容 Capacitance C20	X10 <sup>-4</sup> Ω/m	83.8	83.8	76	69.4	65.4	62.1	46.7	38.3	29.8	24.3	15.8	
电压降 Voltage Drop cosφ=0.9, t=1s	V/m	0.153	0.153	0.152	0.147	0.146	0.143	0.134	0.132	0.127	0.124	0.122	
额定短时耐受电流 Rated Short-Time Withstand Current	KA	30										65	
额定峰值耐受电流 Rated Peak Withstand Current	KA	63										143	
电气间隙 Electrical clearance	mm	≥8											
爬电距离 Creepage Distance	mm	≥12.5											
绝缘电阻 Insulation Resistance	MΩ	≥20											
接地电阻 Grounding Resistance	Ω	≤0.01											
介电性能 Dielectric Performance		50Hz, 2.5KV/1min无击穿、闪络 50Hz, 2.5kV/1 min no breakdown, no flashover											
温升 Temperature Rise	K	≤55 ≤70											
接口数量 Number of Plug-in Interfaces		最小0.8米/个 Minimum 0.8 meters per interface											
最大固定间隔 Maximum Fixed Interval	m	2											
机械负载能力 Mechanical load capacity	kg	15			25			35			50		
安装方式 Installation Method		垂直或水平 Vertical or Horizontal											



馈电单元(FE) FE Unit

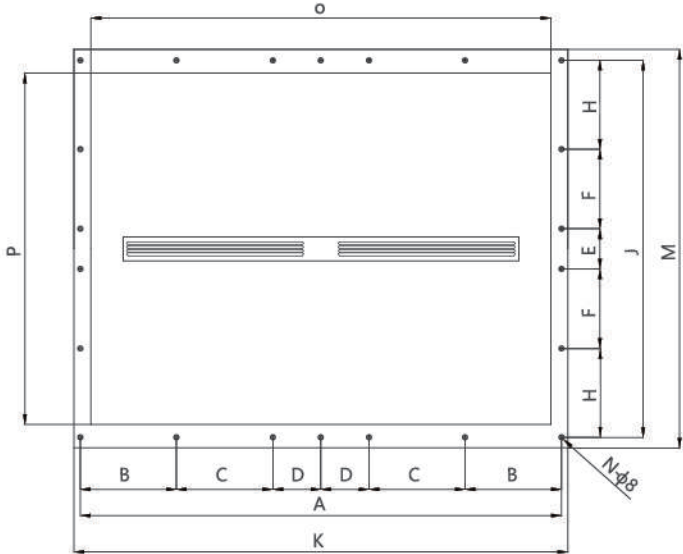
标准法兰 Standard Connector

法兰端外形图 Fittings Drawing Outline



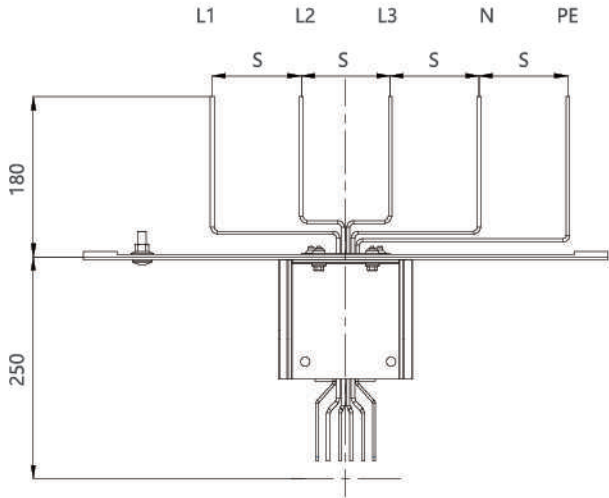
法兰领切口线和钻孔样板  
Flange Cutting Line and Drilling Hole Sample Plate

额定电流 (A) Rated Current	K (mm)	O (mm)	M (mm)	P (mm)
400A	214	164	590	520
630A	214	164		
800A	214	164		
1000A	230	180		
1250A	259	209		
1600A	291	241		
2000A	333	283		
2500A	385	335		
3150A	493	443		
4000A	581	531		
5000A	689	639		

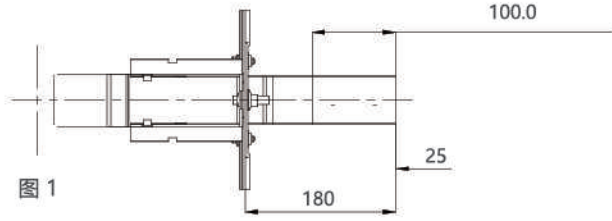


馈线法兰领孔位置和间距  
Feeder Line Flange Hole Position and Spacing

额定电流 (A) Rated Current	孔数 N Number of holes	孔位置 and 间距 A mm Hole position and spacing	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)	J (mm)	K (mm)	M (mm)	O (mm)	P (mm)
400A	14	195	98	---	---	60	117.5	132	559	214	590	164	520
630A	14	195	98	---	---					214		164	
800A	14	195	98	---	---					214		164	
1000A	14	211	106	---	---					230		180	
1250A	14	240	120	---	---					259		209	
1600A	14	272	136	---	---					291		241	
2000A	16	314	103	108	---					333		283	
2500A	16	366	116.5	133	---					385		335	
3150A	18	474	118.5	118.5	---					493		443	
4000A	18	562	140.5	140.5	---					581		531	
5000A	20	670	134.0	134.0	134.0					689		639	



额定电流 (A) Rated Current	S (mm)
400A	100
630A	
800A	
1000A	
1250A	
1600A	
2000A	
2500A	
3150A	
4000A	
5000A	



额定电流 (A)	A (mm)	图 Picture
400A	40	1
630A		1
800A		1
1000A		2
1250A		2
1600A	50	2
2000A	70	2
2500A	50	3
3150A	70	3
4000A	70	4
5000A	50	5
5000A	70	5

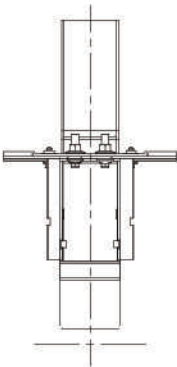


图 2

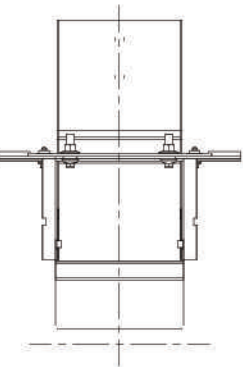


图 3

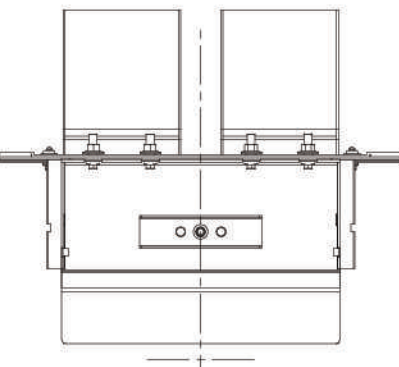


图 4

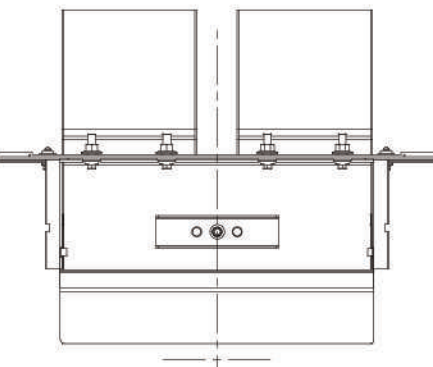
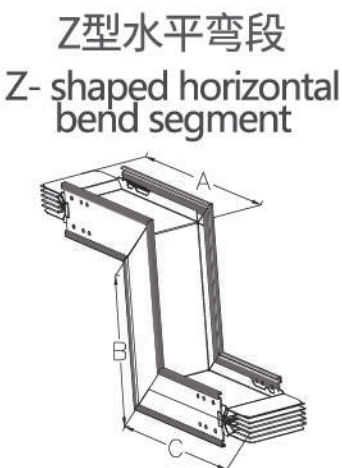
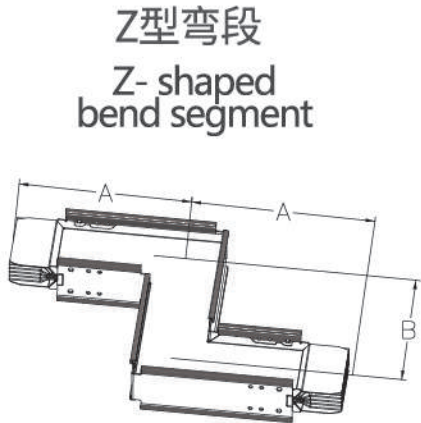
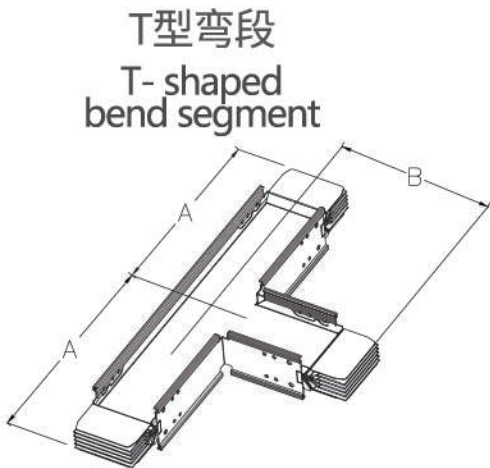
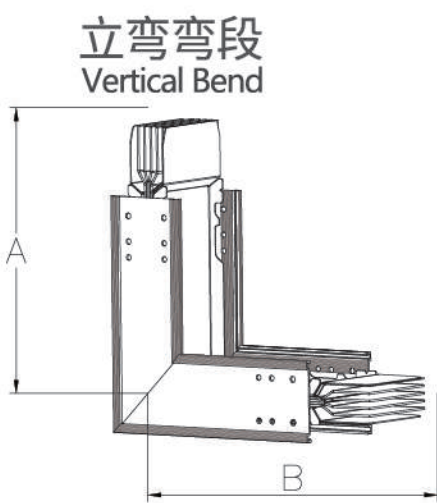
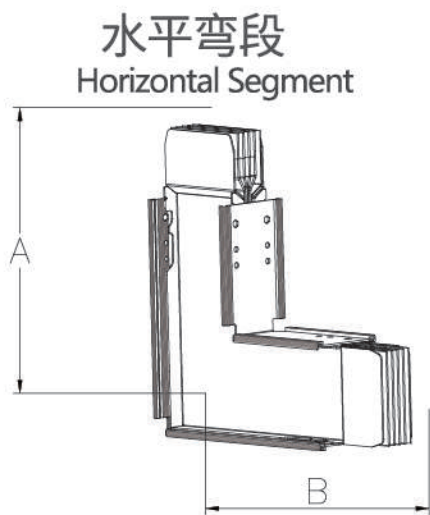


图 5



# 转向部件 Rotating Elements

## 标准弯头 Standard elbow



额定电流 ( A ) Rated Current			
	A (mm)	B (mm)	C (mm)
400A	500	500	500
630A	500	500	500
800A	500	500	500
1000A	500	500	500
1250A	500	500	500
1600A	500	500	500
2000A	500	500	500
2500A	500	500	500
3150A	500	500	500
4000A	500	500	500
5000A	500	500	500

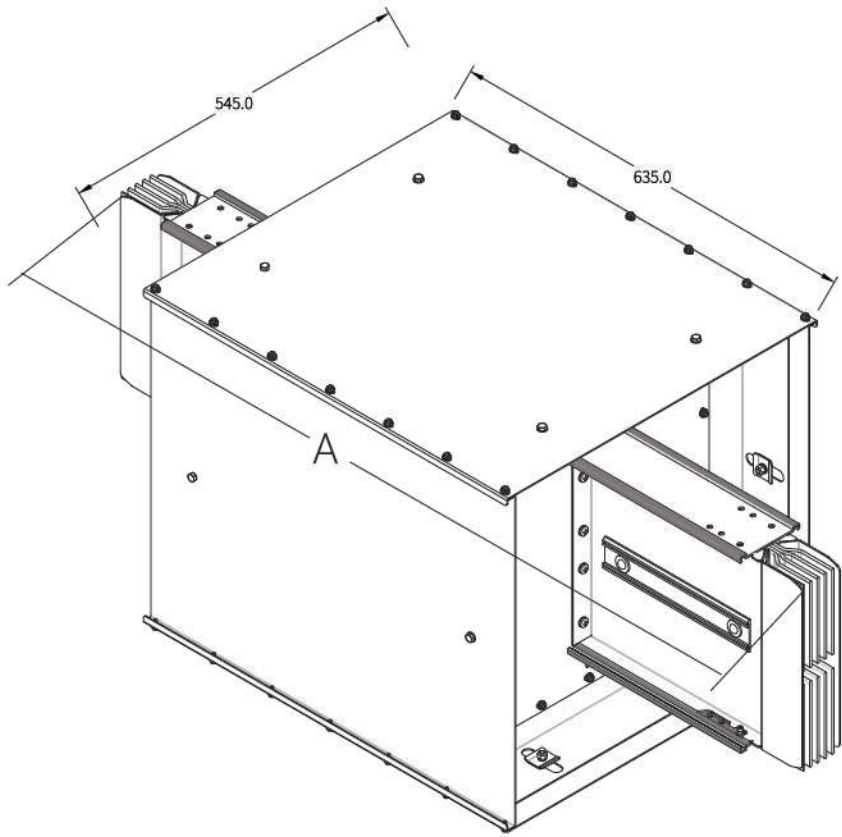
注：超过600mm弯头请下特殊订单，最长可做1000mm。  
Note: For elbows over 600mm, please place a special order, and the longest one can be 1000mm.

额定电流 ( A ) Rated Current			
	A (mm)	B (mm)	C (mm)
400A	500	500	500
630A	500	500	500
800A	500	500	500
1000A	500	500	500
1250A	500	500	500
1600A	500	500	500
2000A	500	500	500
2500A	500	500	500
3150A	500	500	500
4000A	500	500	500
5000A	500	500	500

注：超过600mm弯头请下特殊订单，最长可做1000mm。  
Note: For elbows over 600mm, please place a special order, and the longest one can be 1000mm.



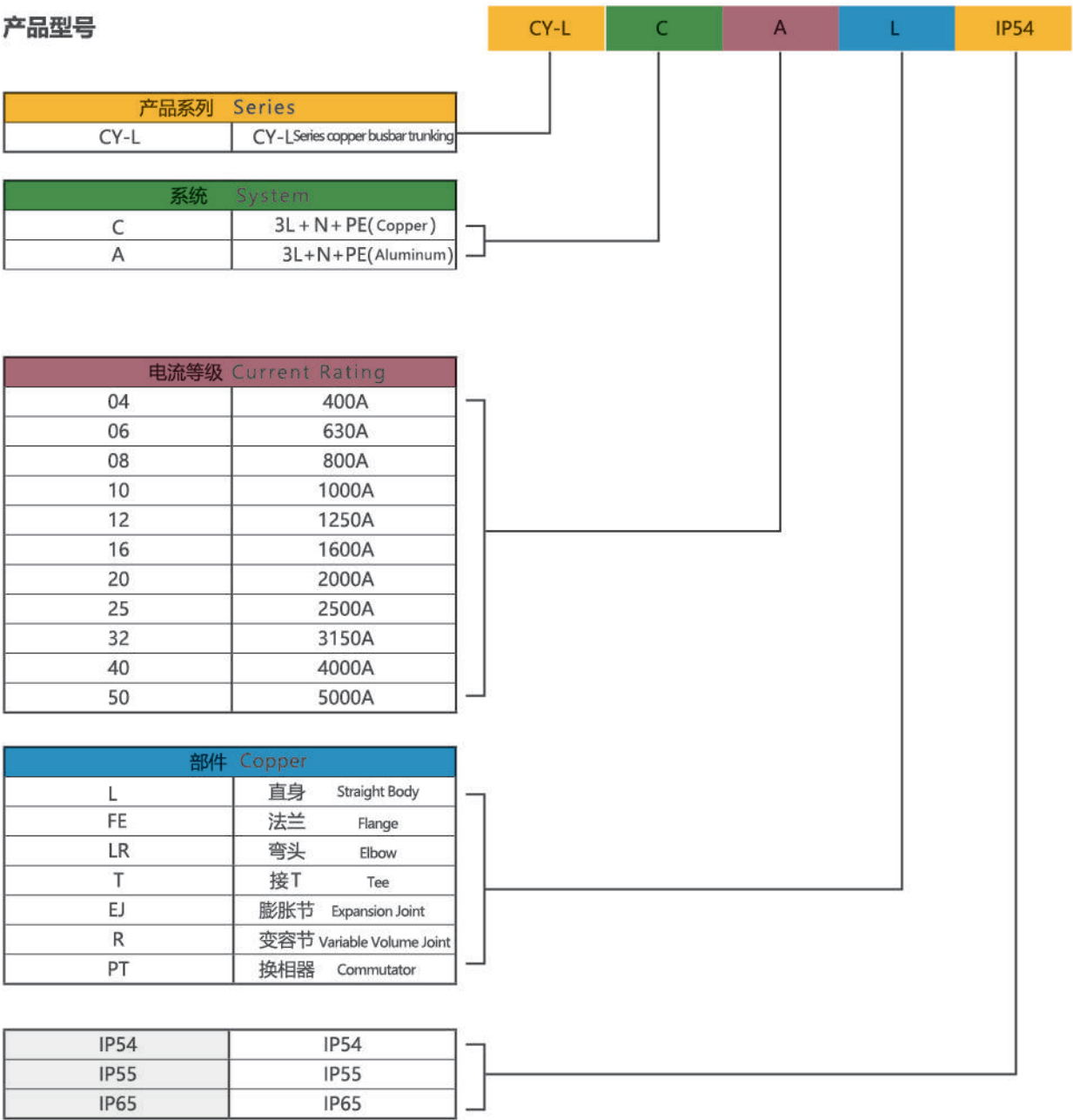
伸缩节 Expansion joint



额定电流 (A) Rated Current	A mm
400	1500
500	1500
630	1500
800	1500
1000	1500
1250	1500
1600	1500
2000	1500
2500	1500
3150	1500
4000	1500
5000	1500
6300	1500

# 铜母线编号规则

## NUMBERING RULES OF COPPER BUS

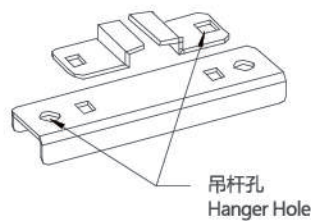
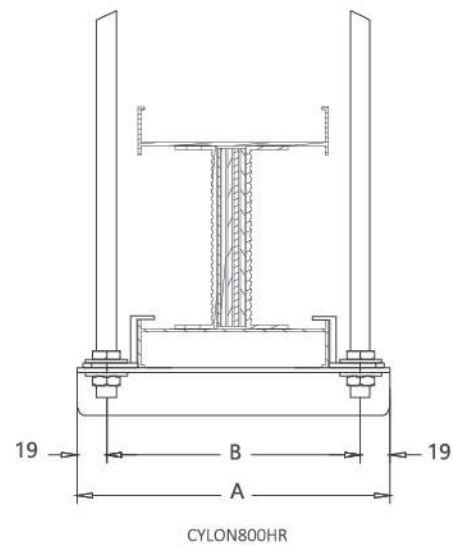


注: 1600A, 2000A, 2500A, 5000A 型号后缀加 "L"  
Note: Add "L" to the suffix of models 1600A, 2000A, 2500A, and 5000A.



# 安装吊架 Rotating Elements

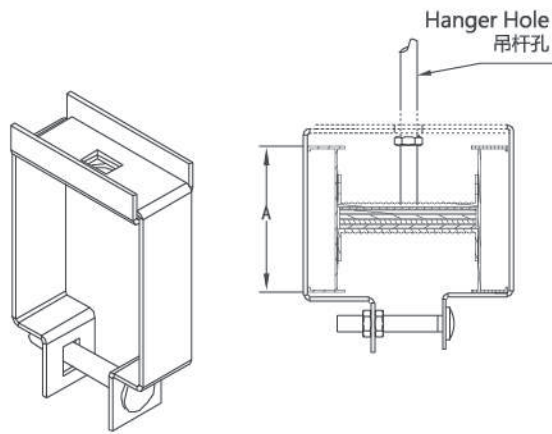
水平吊架 (HR) / 立式吊架 (VH)  
Horizontal Rails / Vertical Rails



额定电流 (A) Rated Current	A (mm)	B (mm)	目录号 Catalog Number
400	270	230	CYLON800HR
630	270	230	CYLON800HR
800	270	230	CYLON800HR
1000	270	230	CYLON800HR
1250	270	230	CYLON800HR
1600	270	230	CYLON800HR
2000	270	230	CYLON800HR
2500	270	230	CYLON800HR
3150	270	230	CYLON800HR
4000	270	230	CYLON800HR
5000	270	230	CYLON800HR

额定电流 (A) Rated Current	A (mm)	目录号 Catalog Number
400	99	CYLON800VH
630	99	CYLON800VH
800	99	CYLON800VH
1000	115	CYLON801VH
1250	144	CYLON802VH
1600	176	CYLON803VH
2000	218	CYLON804VH
2500	270	CYLON805VH
3150	378	CYLON806VH
4000	466	CYLON807VH
5000	574	CYLON808VH

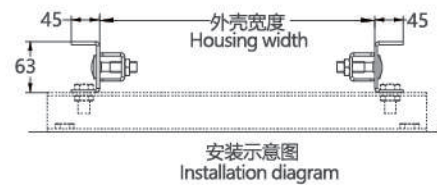
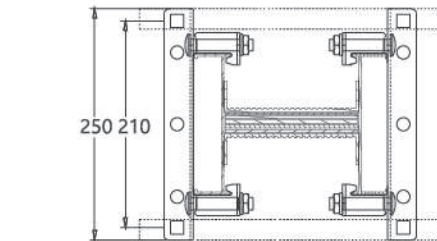
安装示意图  
Installation Diagram



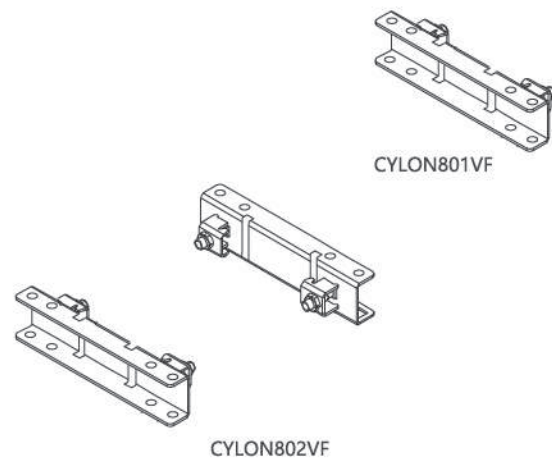
CYLON - VH

# 垂直安装用支架 Vertical installation of bracket

垂直固定式支架 (VF) / 垂直弹簧式支架 (VS)  
Vertical Installation Using Brackets / Fixed Vertical Supports



地面完成面  
或防水沿  
Ground finished surface  
or waterproof edge



额定电流 Rated Current	目录号 Catalog Number
400	CYLON801VF
630	CYLON801VF
800	CYLON801VF
1000	CYLON801VF
1250	CYLON801VF
1600	CYLON801VF
2000	CYLON802VF
2500	CYLON802VF
3150	CYLON802VF
4000	CYLON802VF
5000	CYLON802VF

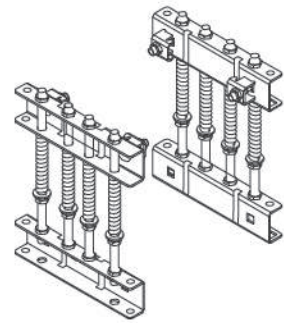
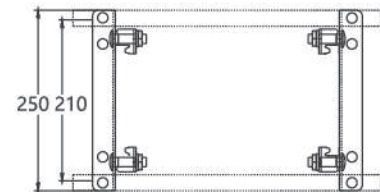
注：1. 当使用垂直固定支架时，母线连接头高出地面不应小于300mm，以保证支架与母线外壳的固定  
2. 母线垂直安装时，固定支架之间的最大间距为5m

1. When using a vertical fixed bracket, the height of the busbar connection head above the ground should not be less than 300mm to ensure the fixation of the bracket and the busbar housing.
2. When the busbar is installed vertically, the maximum spacing between fixed brackets is 5m.

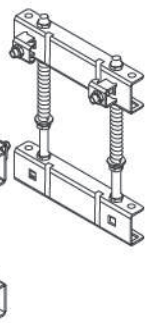
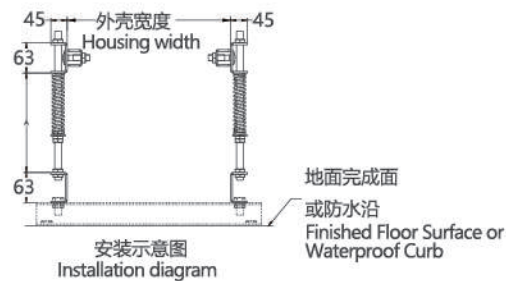
额定电流(A) Rated Current	目录号 Catalog Number
400	CYLON801VS
630	CYLON801VS
800	CYLON801VS
1000	CYLON801VS
1250	CYLON801VS
1600	CYLON802VS
2000	CYLON802VS
2500	CYLON802VS
3150	CYLON802VS
4000	CYLON802VS
5000	CYLON802VS

注：当使用弹簧支架时，母线连接头高出地面不应小于540mm，以保证支架与母线外壳的固定

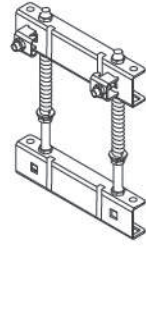
Note: When using a spring bracket, the height of the busbar connection head above the ground should not be less than 540mm to ensure the fixation of the bracket and the busbar housing.



CLYON802VS



CLYON801VS

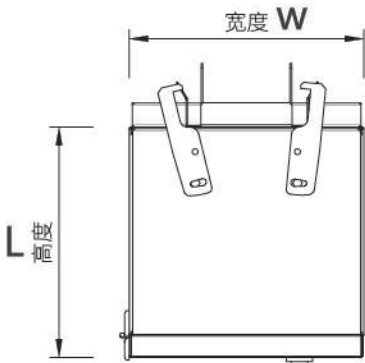
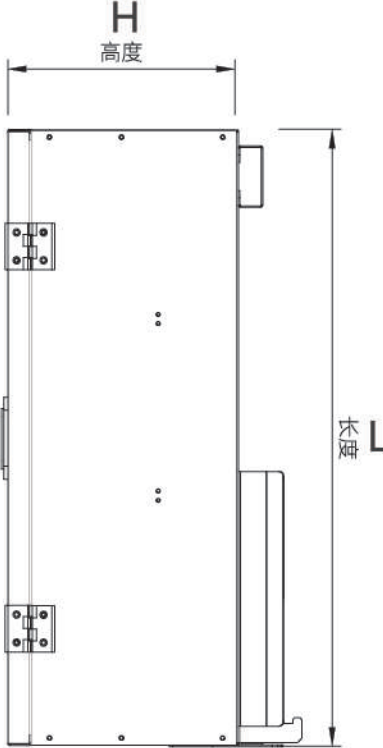
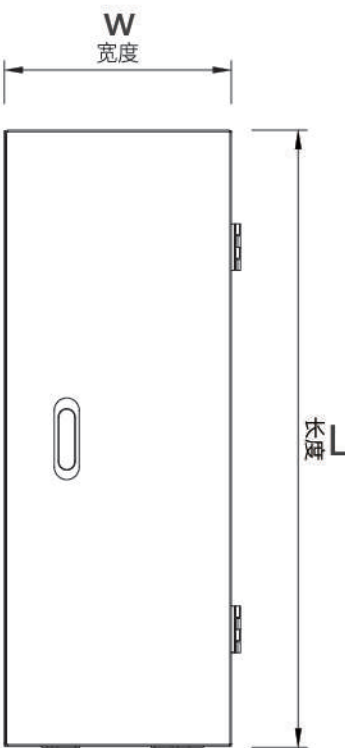
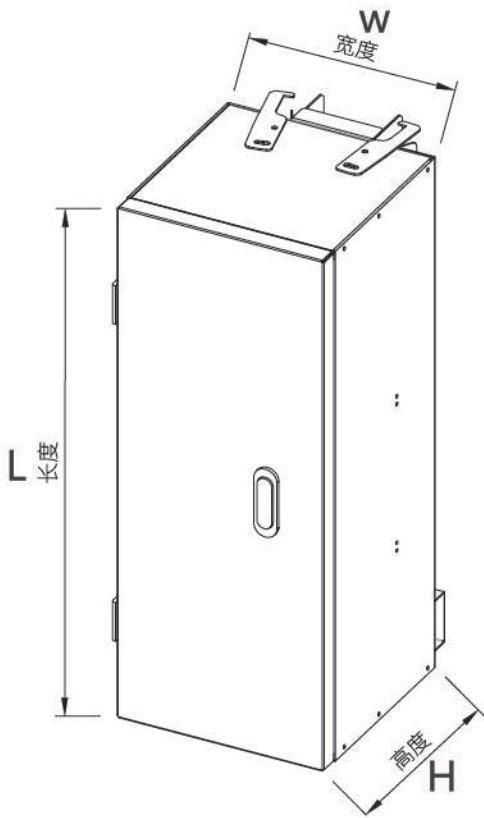


CLYON801VS



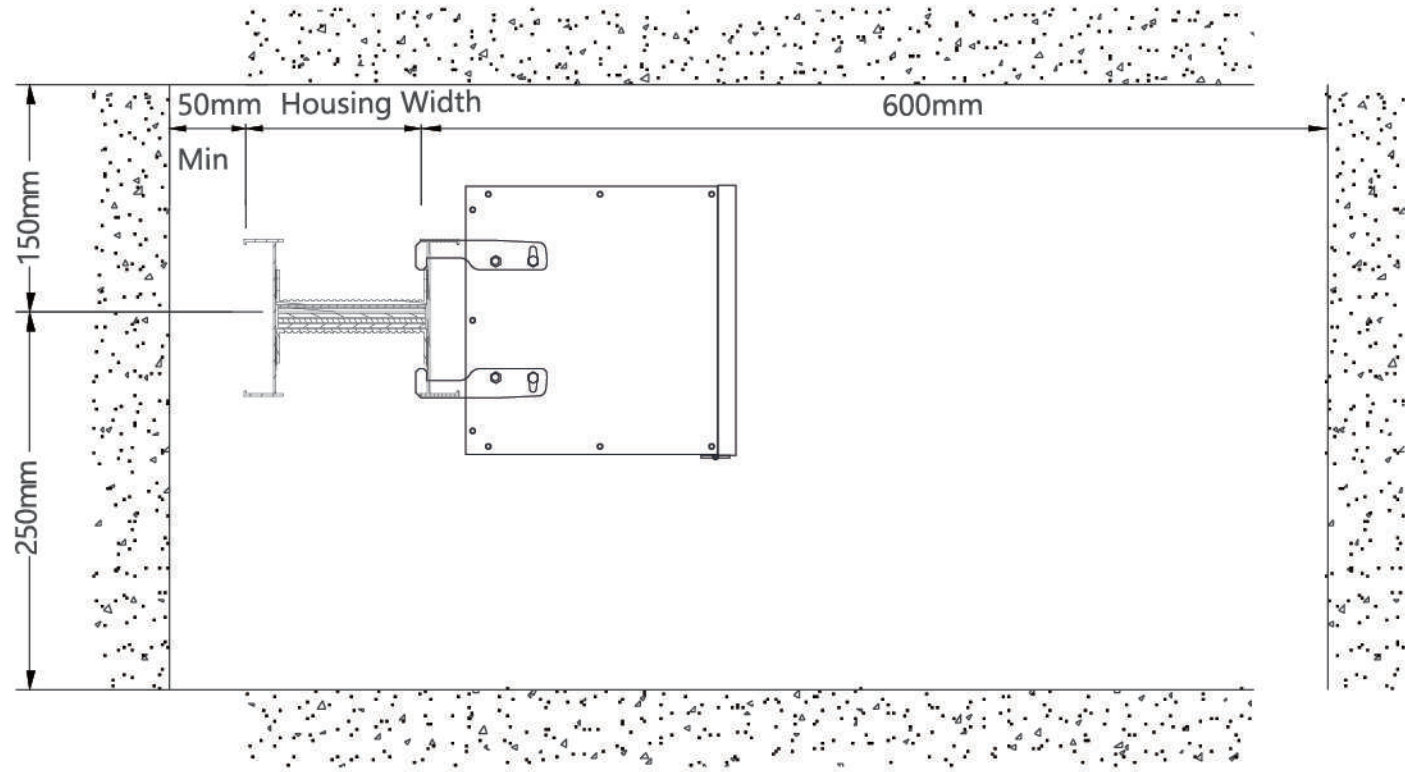
插接箱

规格尺寸 Dimension Specifications



额定电流 A Rated Current	长 L(mm)	宽 W (mm)	高 H (mm)
0-250	600	300	200
250-630	600	300	250
Live operation 带电操0-250	600	300	300
Live operation 带电操250-630	600	300	300

安装所要求空间 Space Required for Installation





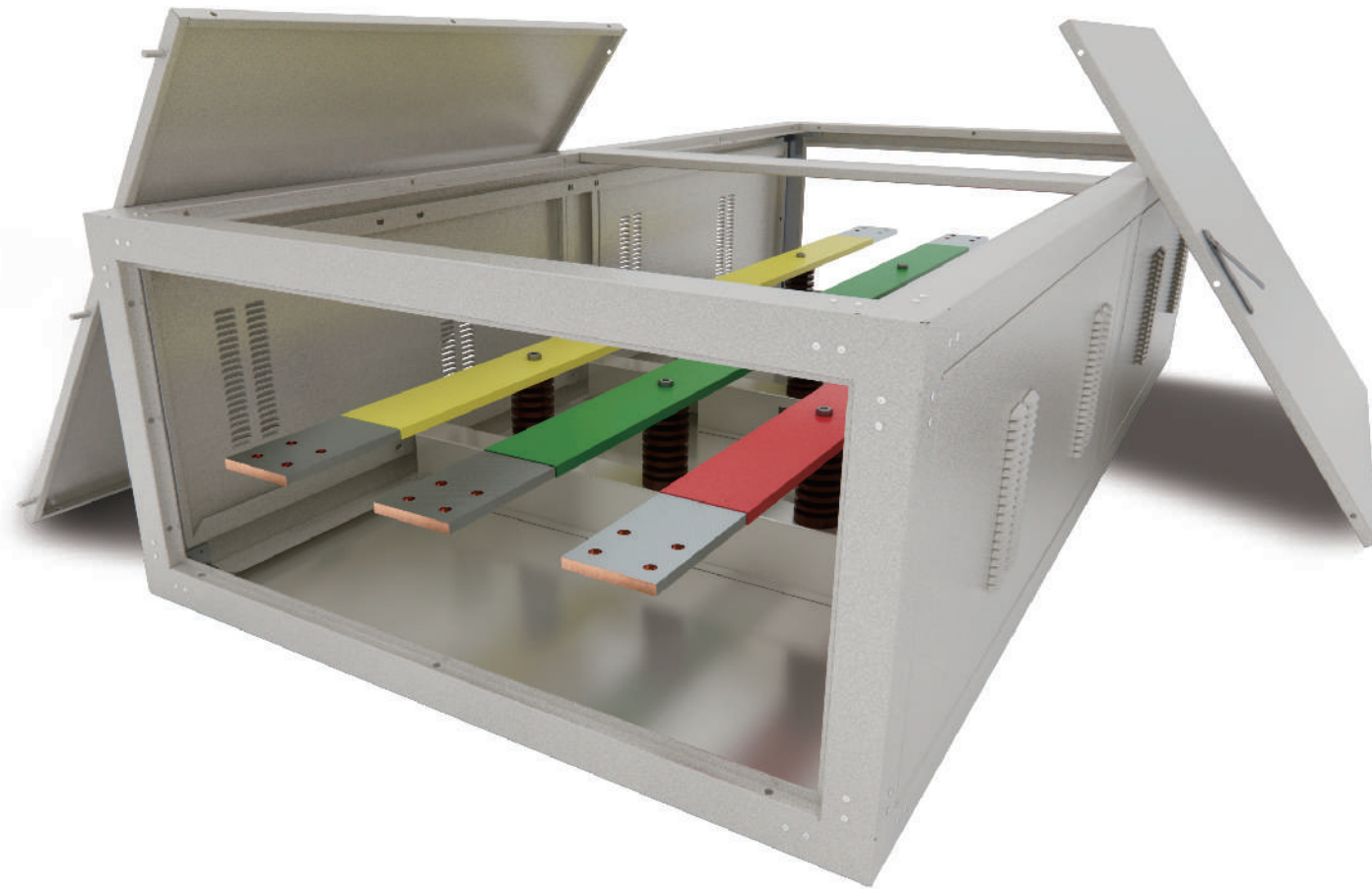
# CY-H系列共箱型母线槽

## CY-H Voltage Enclosure Busway System

### 耐压强耐击穿&强绝缘保护

高性能、高防护、+75KV 雷击试验

**Withstand High Voltage Withstand Puncture and Strong Insulation Protection**  
**High Performance, High Protection, and +75KV Lightning Test**



#### 产品特点

#### 超高压运行 Ultra-High Voltage Operation

耐压强: 通过1分钟工频耐压测试, 实测电压42.1kV, 无击穿。

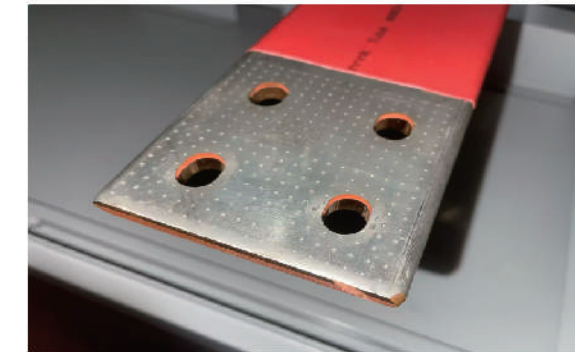
适应广: 在24°C、40%湿度、100.9kPa气压下表现稳定。

设计佳: A、B、C端子及外壳底座设计合理, 保障电气安全。

Withstand High Voltage: Passed the 1-minute AC withstand voltage test with a measured voltage of 42.1kV, without breakdown.

Adaptability: Stays stable at conditions of 24°C, 40% humidity and 100.9kPa pressure.

Nice Design: The design of A, B, C terminals and outer shell base is scientifically reasonable, ensuring electrical safety.



#### 有效防护粉沉 Effective Protection Against Dust Deposition

高防护等级: IP5X, 有效阻挡灰尘。

安全特低电压: 40V-50V, 确保操作无忧。

气压防尘设计: 外壳内气压低于外界, 防尘效果佳。

精细间隙设计: 试棒测试确保与危险部件安全距离。

持久试验: 8小时防尘试验, 性能稳定可靠。

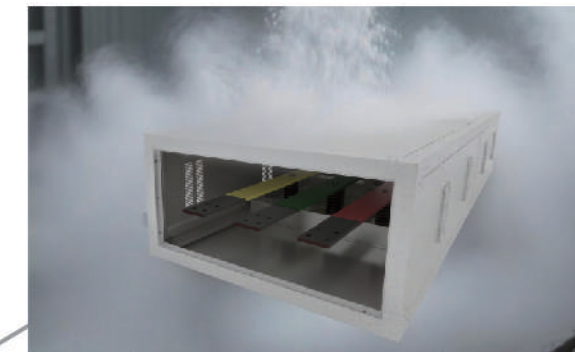
High Protection Standards: IP5X, effectively blocking dust.

Safe Extra-Low Voltage: 40V-50V, ensuring worry-free operation in electrical applications.

Airtight Dust-Proof Design: The internal pressure of the casing is lower than the external environment, providing excellent dust-proof performance.

Precise Gap Design: Ensures a safe distance from hazardous components through rigorous probe testing.

Durability Testing: Undergone an 8-hour dust test, guaranteeing stable and reliable performance in line with electrical industry standards.



#### 雷电冲击试验 Lightning Impulse Test

耐压强: 正负极性试验电压下, 均未击穿。

适应广: 在特定温湿度、气压条件下, 试验合格。

结构稳: Aa、Bb、Cc等部位正负极性测试均表现稳定。

Withstand High Voltage: No breakdown under positive and negative polarity test voltages.

Adaptability: Passes tests under specific temperature, humidity and pressure conditions.

Structural Stability: Aa, Bb, Cc, etc., show stable performance in positive and negative polarity tests.



#### 有效喷淋防水 Effective Waterproofing through Spraying

防水等级高: IPX4级, 有效防水。

防淋水试验通过: 无有害影响, 性能稳定。

绝缘部位干燥: 电器主回路和辅助回路无进水痕迹。

内部元件安全: 电气元件和机构无进水, 保障运行。

结构件无积水: 其他非绝缘部件无积水, 耐用可靠。

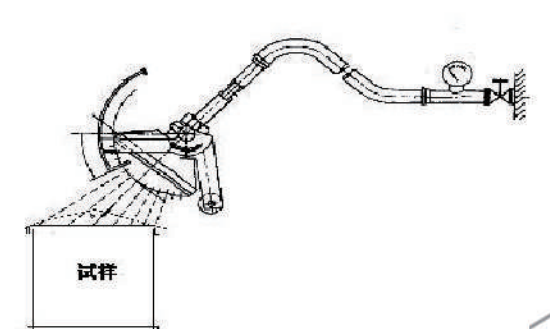
High Waterproof Rating: IPX4 effectively waterproof.

Passed Rain Resistance Test: With no adverse effects, demonstrating stable performance.

Insulation Parts Dry: No water traces found in the main and auxiliary electrical circuits.

Internal Components Safe: No water ingress in electrical and mechanical parts, ensuring smooth operation.

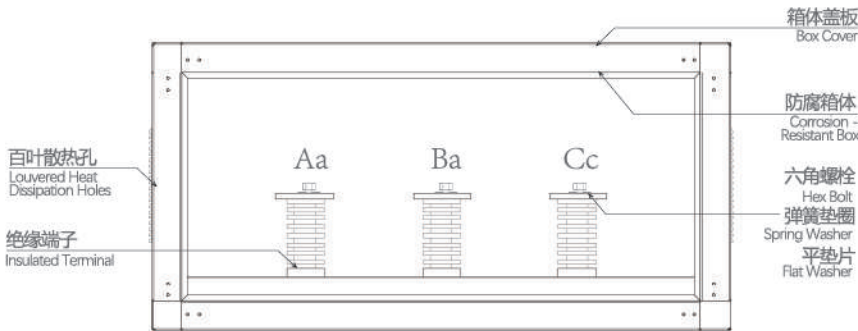
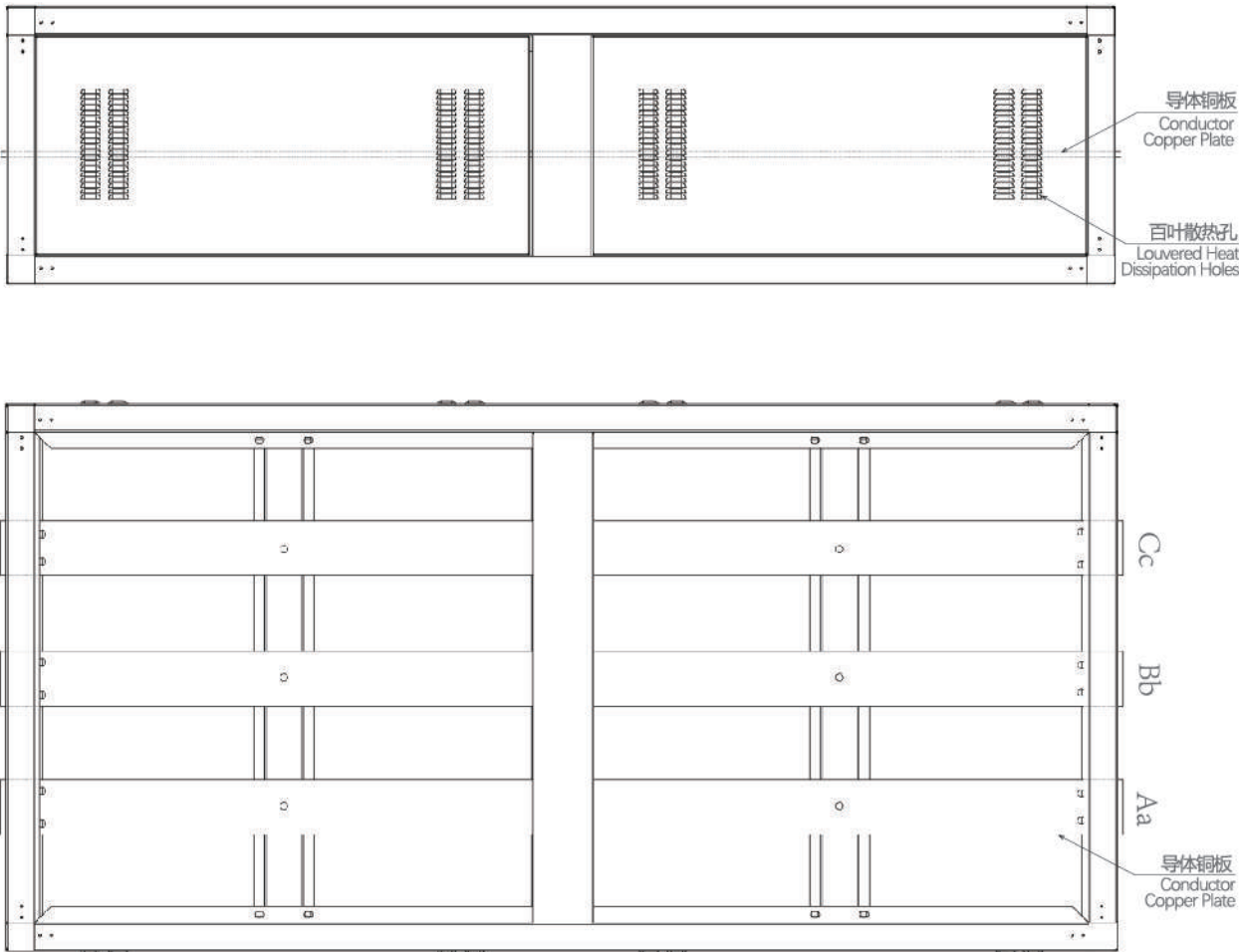
No water Structural: No water accumulation in non-insulated parts, ensuring durability and reliability.





CY-H 高压共箱母线参数  
CY-H Voltage Enclosure Busway System

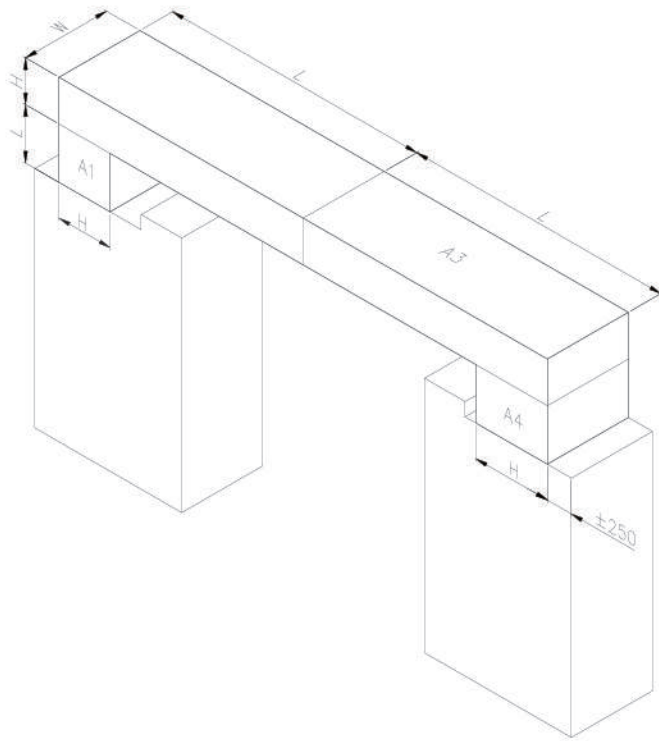
安装空间  
Space Required for Installation



技术参数表:

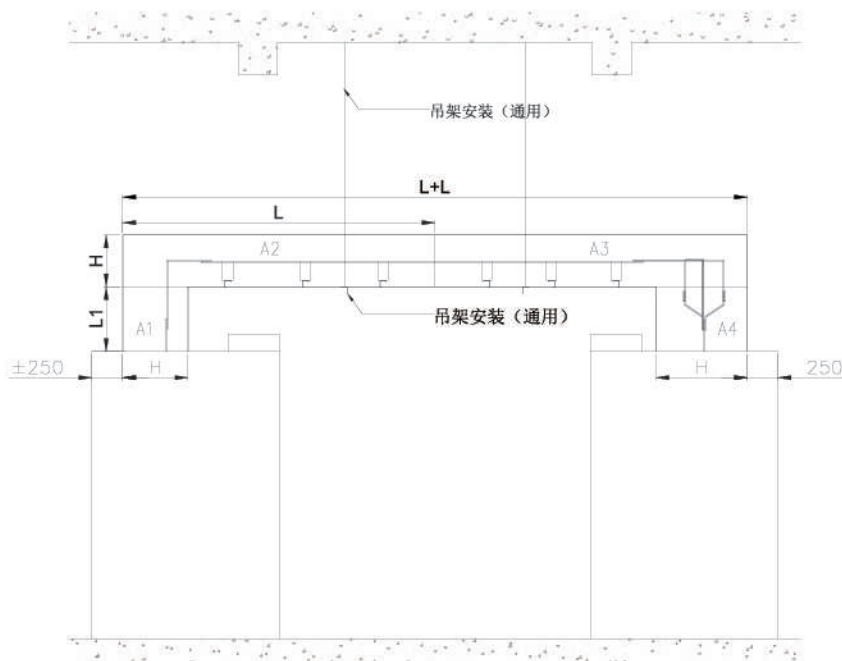
参数类型 Parameter Type	技术索引 Technical Index
适用频率 Applicable Frequency	50~60Hz
额定电压 Rated Voltage	10kV
额定电流 Rated Current	400~6300A
绝缘电阻 Insulation Resistance	≥100MQ(2500V兆欧表) (2500V Megohmmeter)
防护等级 Protection Rating	室内:IP40; 室外:IP43/IP54 Indoor: IP40; Outdoor: IP43/IP54
工频耐压 Power Frequency Withstand Voltage	通过1分钟工频耐压测试 Passes 1-minute power frequency withstand voltage test
接地系统 Grounding System	符合IEC 6364-5-54 标准要求 Complies with IEC 6364-5-54 standard requirements

轴视图:



A1	母线桥墩 Bus Pylon
A2	母线桥 Bus Bridge
A3	母线桥 Bus Bridge
A4	母线桥墩 Bus Pylon

正视图:



A1	母线桥墩 Bus Pylon
A2	母线桥 Bus Bridge
A3	母线桥 Bus Bridge
A4	母线桥墩 Bus Pylon

尺寸规格表:

额定电压 (kV) Rated Voltage		3.15	6.3	10.5	20
绝缘等级 (kV) Insulation Rating		18/40	23/60	35/75	50*125
额定电流(A) Rated Current	外形尺寸 (LmmxHmm)				
	1000~1600	800x500	1200x560	1200x560	1400x620
	2000	800x500	1200x560	1200x560	1400x650
	2500	800x500	1200x560	1200x560	1500x620
	3200	800x500	1200x560	1200x560	1600x650
	4000	800x500	1200x560	1200x560	

注: 支持其他规格定制  
Note: Other specifications can be customized.



## This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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