



ABOUT CYLON GROUP

关于西朗



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.

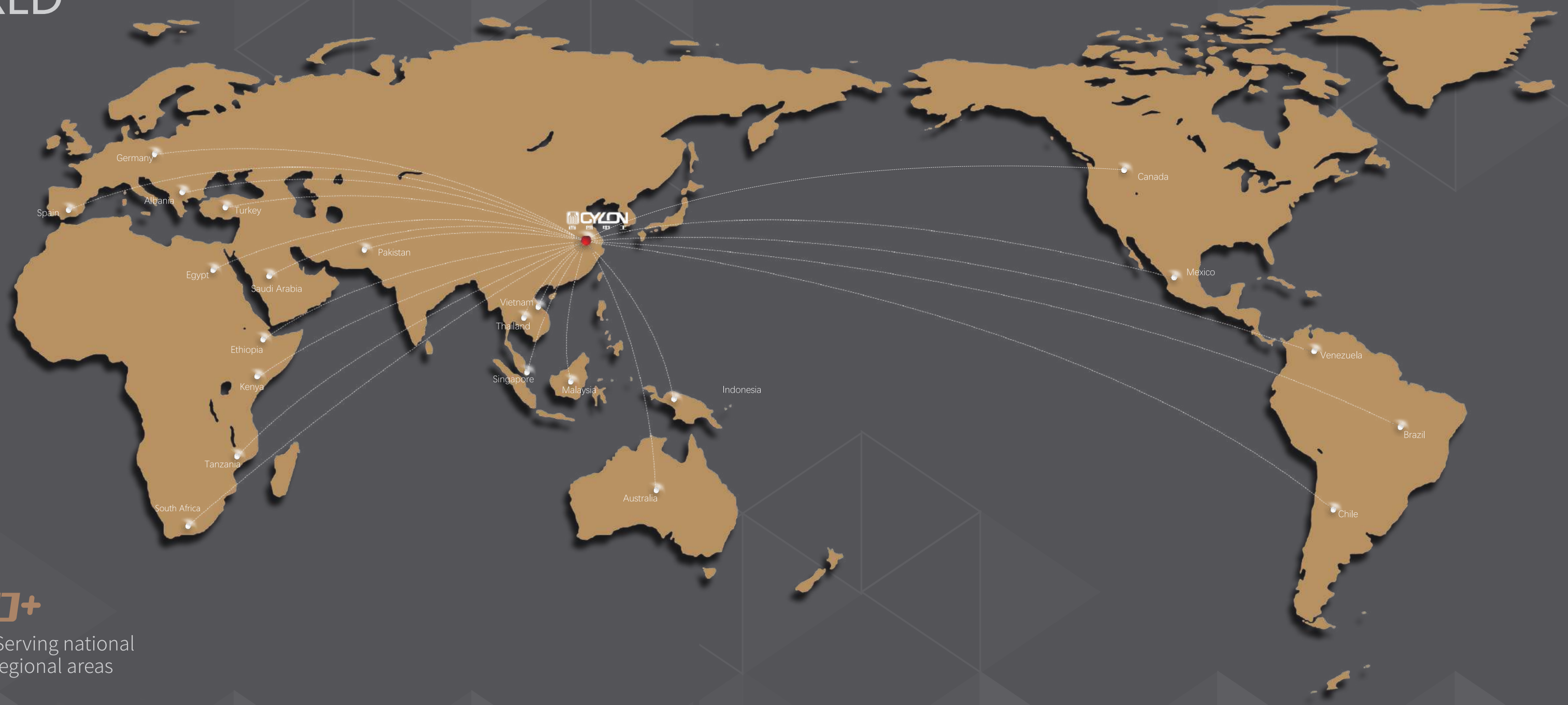


CYLON Group has been committed to scientific and technological innovation and management upgrades, successfully establishing a standardized management system covering quality, environment, occupational health, and safety. Additionally, it has obtained certifications such as COC (China Quality Certification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



CYLON Group has obtained numerous technical professional certifications and production licenses for electrical industrial products. By leveraging advanced technology, excellent quality, and comprehensive service, the company has established a strong foothold in the electrical industry, laying a solid foundation for XiLang to become a world-class brand in the power-transmission and distribution sector.

SERVING THE WORLD



1999

5 Subsidiaries

60+

+60 Serving national and regional areas

100+

+100 Professional technical personnel

300000+

+30000 cumulative customers

TECHNICAL ADVANTAGES ADVANCED TECHNOLOGY

QUALITY CONTROL PROJECT MANAGEMENT



Leading Technical Advantages

- International Collaborative R&D expertise
- Safety & energy-efficient design
- Green technology leadership
- China-France R&D synergy

Advanced Manufacturing

- Fully automated production
- Eco-tech application
- Continuous innovation in manufacturing processes
- End-to-end reliability

Lean Production Management

- 6S Site Control!
- Smart Governance & Standard Processes Dual-Driven
- Strict Particulate Control Standardized Operations
- Ensuring Quality Evolution

Comprehensive Project Management

- Full-cycle engineering services
- Customized solutions
- Professional Installation & After-Sales Team
- Material tracking transparent system

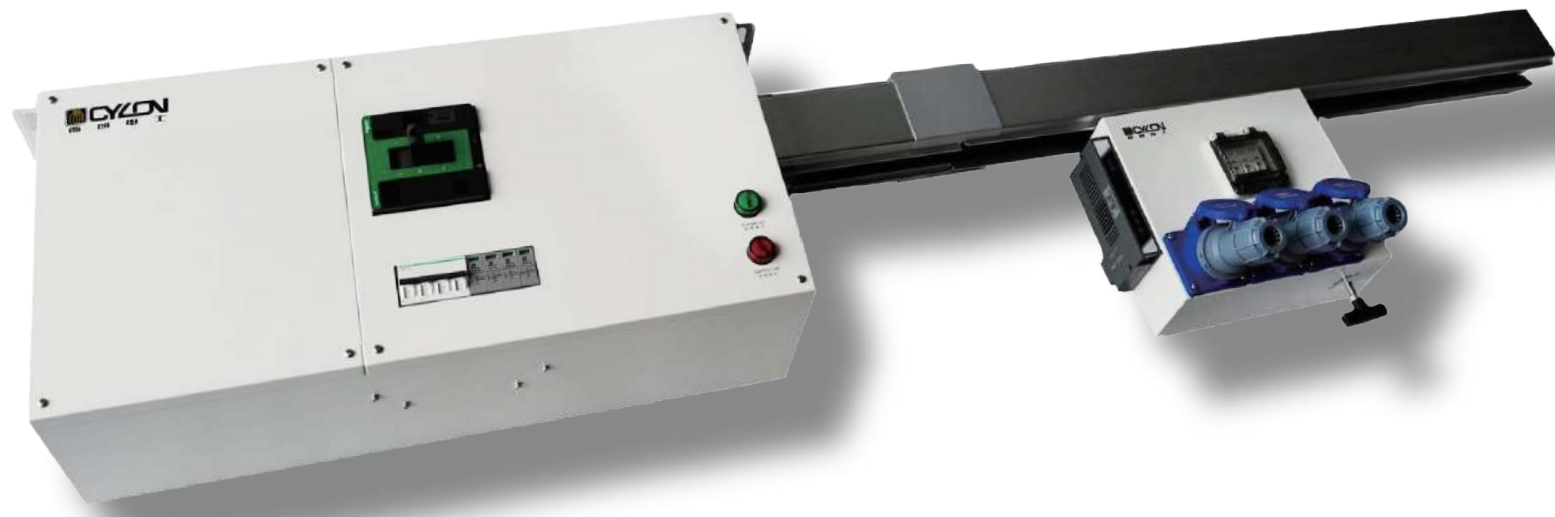
Strict Quality Management

- Smart QC system
- Dual-Check Safeguard System
- 100% compliance certification
- Continuous quality improvement

Excellent Professional Team

- Innovation-Driven Excellence Technology Leadership
- Provide 24/7 standby service
- 4-Hour Guaranteed Response
- Tailored Professional Solutions

CY-S Intelligent Small Busway System



**Intelligent allocation
and Flexible demand**

**precision systems, Network monitoring
Digital power distribution technology**

Product Features

Insulation sheath

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.



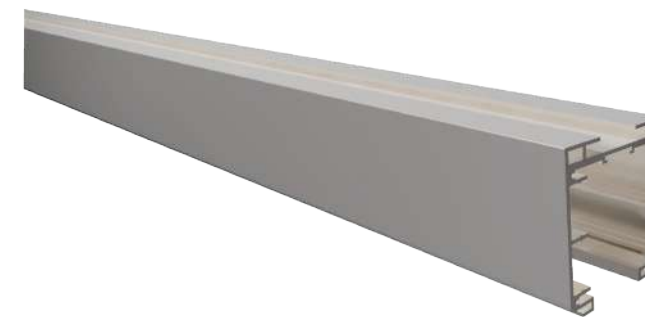
Busbar conductor

High-purity oxygen-free electrical copper busbar, with a purity >99.98%;
Electrical resistivity $\leq 0.0177 \times 100\text{-m}$, IACS conductivity >97%;
Surface overall tin-plated or silver-plated treatment.



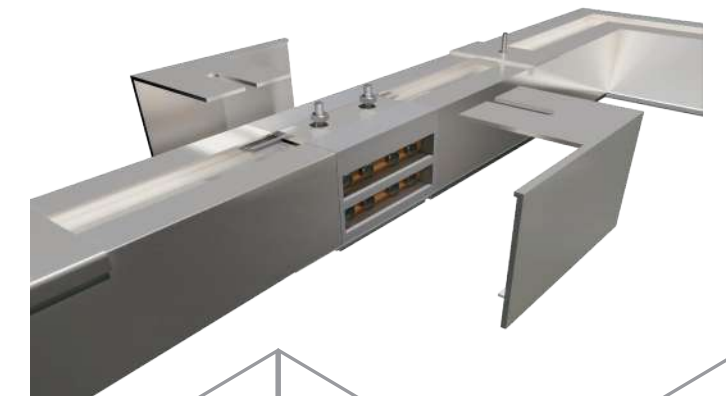
Busway housing

6063(T5) aluminum-magnesium alloy profile, thickness = 2.5mm, Brinell hardness > 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).



Joint pack

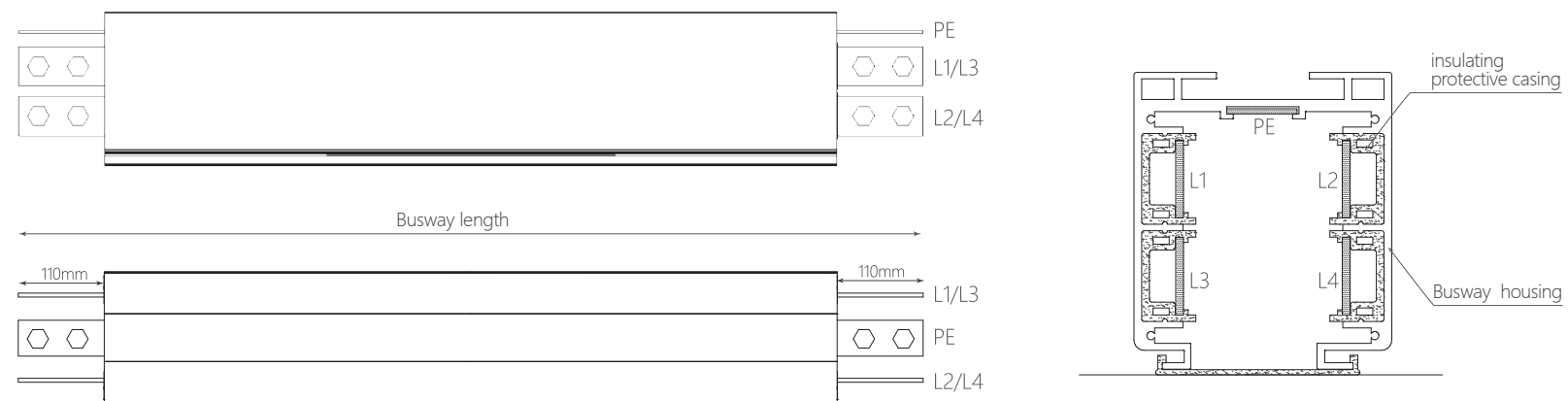
The appearance parts are made of aluminum alloy profiles and engineering plastics, which are exquisite and aesthetic;
Connecting plates made of high-strength aluminum alloy ensure reliable mechanical connection and electrical continuity of enclosures;
Connection can be completed only by torque wrench, without any special tools;
The connection of conductors is intuitive and reliable, also easy for maintenance.



应用场景 APPLICATION SCENARIO

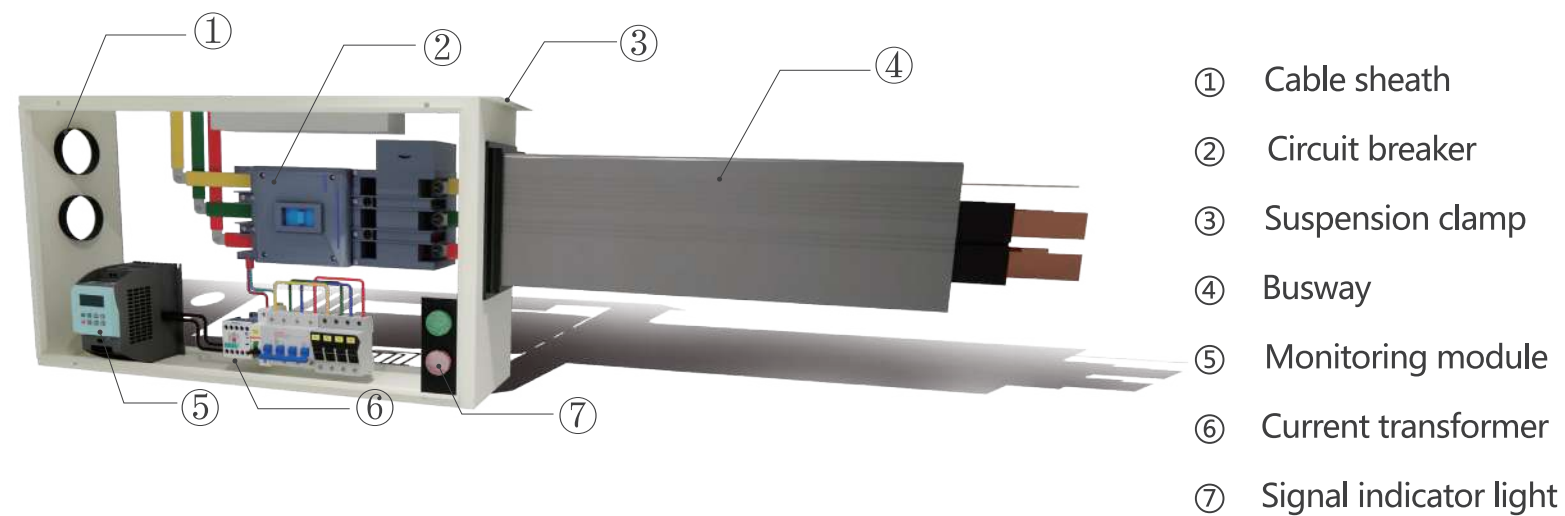


CY-S Intelligent Busway System



Item	Data							
Standard	IEC61439.1/6;GB7251.1/6							
System	AC3P5W(51);AC3P5W(53);DC Dc double loop							
Ambient Temperature	-5~+40°C average temperature not exceed +35°C for 24 hours							
IP degree	IP42							
Rated insulation voltage	415 V							
Rated frequency	50/60 HZ							
Standard length	3.0m;2.4m;1.8m;1.2m;0.6m Can be customized as needed							
Distance between supports	1.5m							
Rated current	160A、 200A、 250A、 315A、 400A、 630A、 800A							
(mm)Dimension	Hx W=135.5x90.3							
(kg/m)Weight	7.37、 7.74、 8.63、 9.21、 10.11、 13.87、 17.33							
I _{cw} (KA)	20	20	20	20	20	30	30	
I _{pk} (KA)	40	40	40	40	40	63	63	
20°C (MΩ/m)Resistance	0.318	0.257	0.182	0.158	0.122	0.084	0.068	
20°C (MΩ/m)Reactance	0.064	0.051	0.046	0.037	0.029	0.022	0.02	
20°C (MΩ/m)Impedance	0.347	0.281	0.206	0.172	0.134	0.095	0.073	
Voltage drop (V/m,cos=0.8)	0.081	0.092	0.075	0.081	0.08	0.087	0.092	
Grounding system	Housing entirely grounded/additional copper bar grounded, capacity not less than50% of phase line							
Color of busbar housing	Silver white (anodized),or color chosen as customer specified							
Color of tap-off box								
Current of tap-off box	10A;16A;20A;25A;32A;40A;50A;63A;80A;100A							

Main Unit Entry box



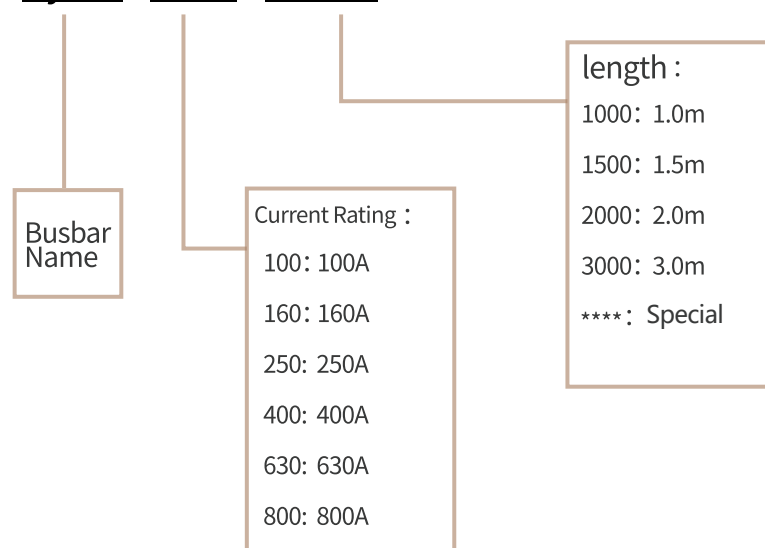
Integrated design, which can be connected to the busbar trunk line with a connector;
Various configurations are available (circuit breakers, surge arresters, monitoring modules, smart meters, etc);
The incoming line and operation mode can be set as needed;

Terminal Box Model Selection

100~400A and 630~800A busducts have the same shell size, with standard lengths of 3m, 2m, 1.5m, and 1m.

The shell is made of high-strength aluminum alloy to enhance scratch resistance, salt mist resistance, and corrosion resistance.

Cylon - 250A - L3000

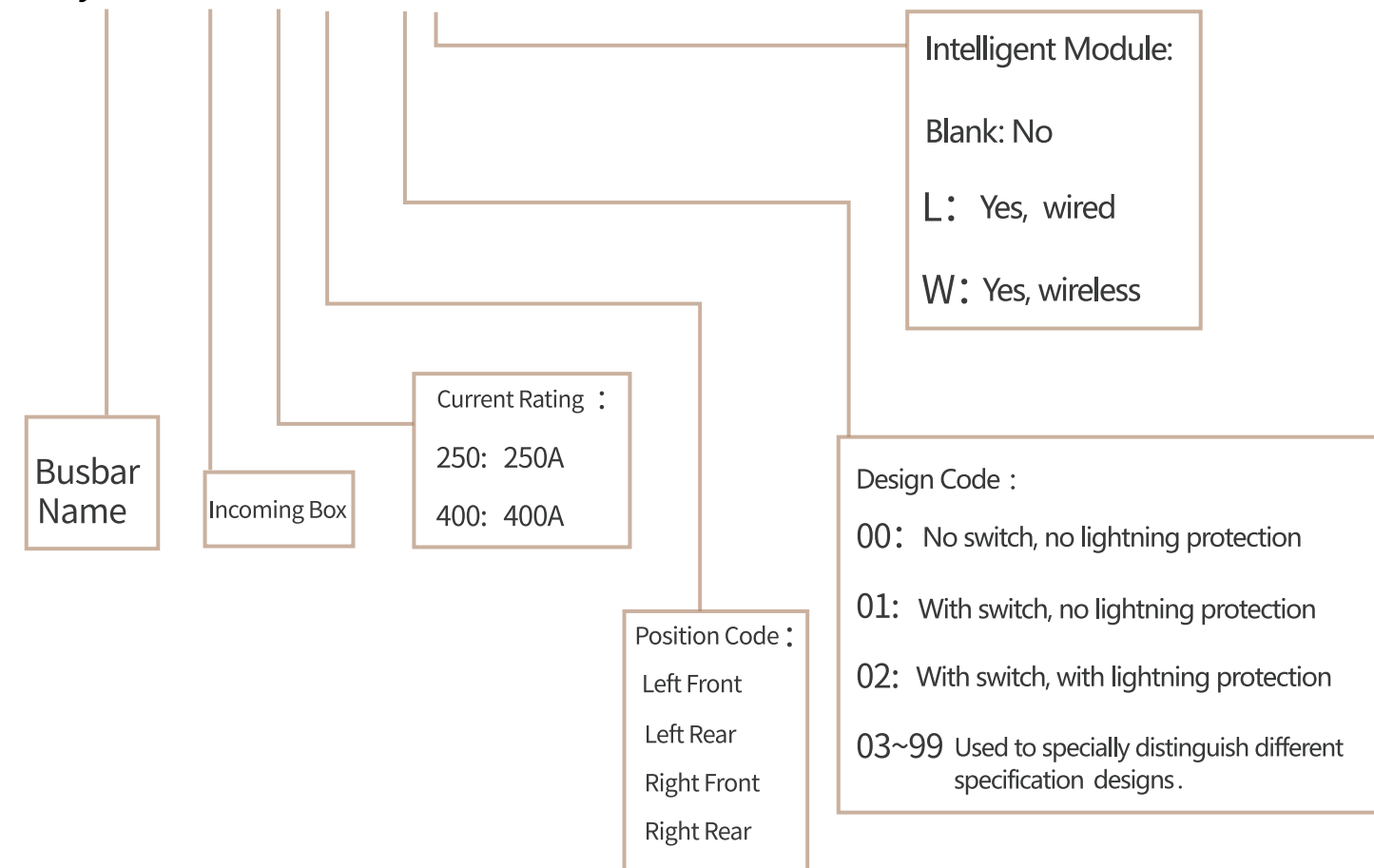


Parameter Model Code

• Selection of Starting Terminal Box

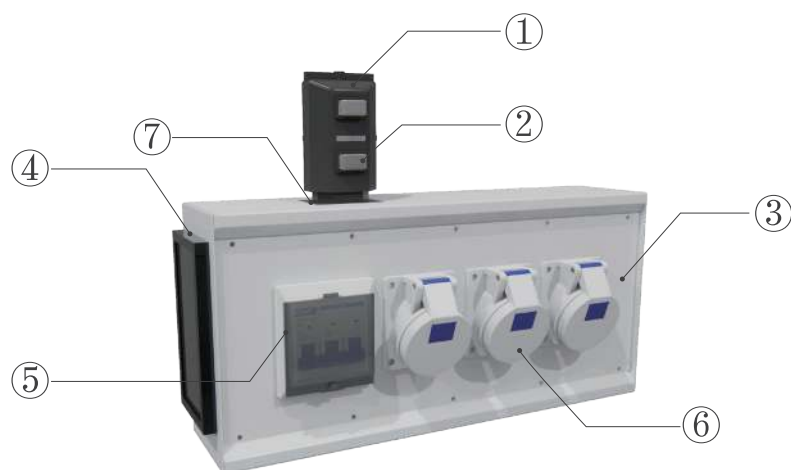
Used for the connecting end of the cable to the busbar.

Cylon - SL 250 LF - 01 L



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

Main Unit Plug-in Box



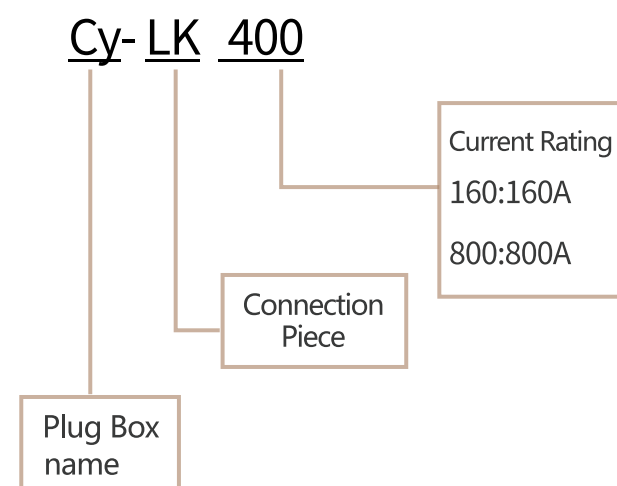
- ① Plug device
- ② Spring-loaded Terminal
- ③ Tap-off box
- ④ Communication port
- ⑤ Protection cover for micro-circuit breaker
- ⑥ Industrial socket
- ⑦ Interlock mechanism

- Aluminum alloy/engineering plastic composite box body, high strength and light weight;
- Highly elastic and highly conductive copper-plated electrical terminals with durable contact point stress and low temperature
- Full electrical parameters + four-point temperature monitoring for real-time system operation status monitoring and early warning;
- Industrial connectors for fast and convenient feed-out;

- Optional single circuit, three circuits, or six circuits to meet various needs;
- Configure fail - safe gauge plates to ensure that the plug - in boxes automatically correspond to the phase sequence of the
- Quick-locking mechanism for faster installation and replace.

• Connection Piece Model Selection

- Used to connect and extend two busbars.
- Component specifications: 800A-160A.



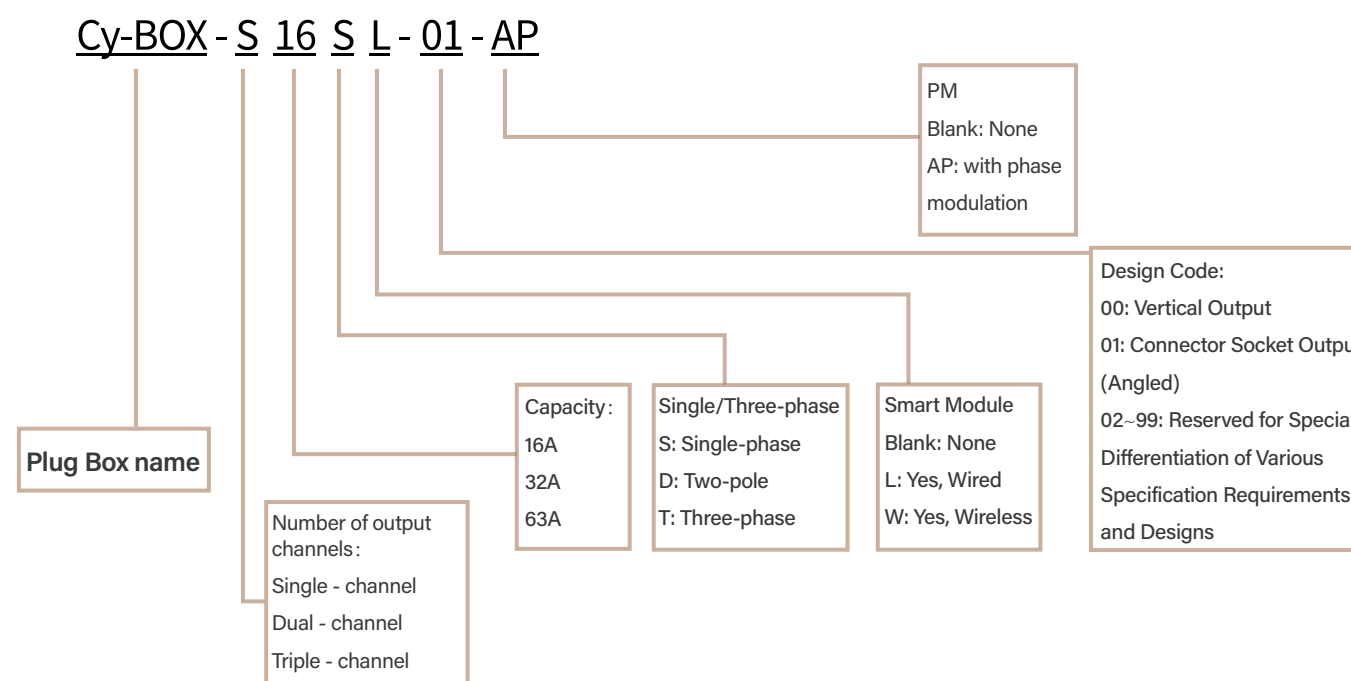
Parameter Model Code

• Terminal Box Model Selection

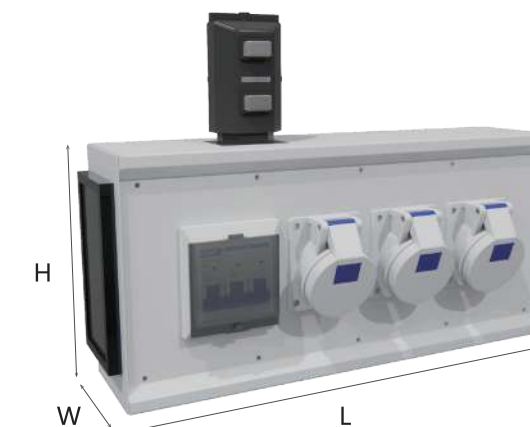
Cy-BOX can be selected as single, dual, or triple output type.

Cy-BOX can be selected as single-pole, double-pole, or triple-pole output type.

Cy-BOX can be monitored with wired or wireless methods.

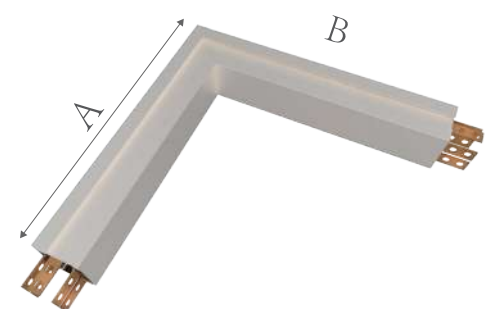


Rated Current	L (mm)	W (mm)	H (mm)
160 ~ 800A	370	270	100

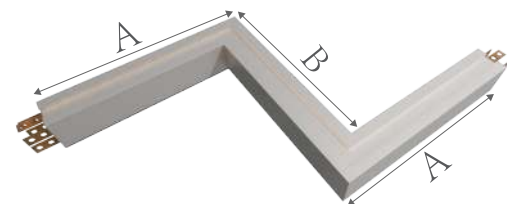


Rotating Elements

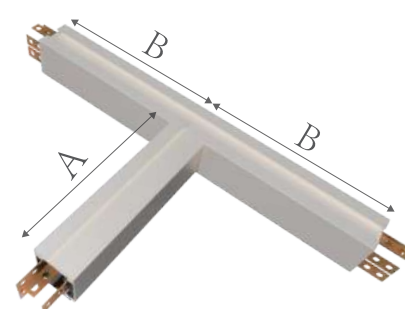
Standard elbow



L-shaped elbow

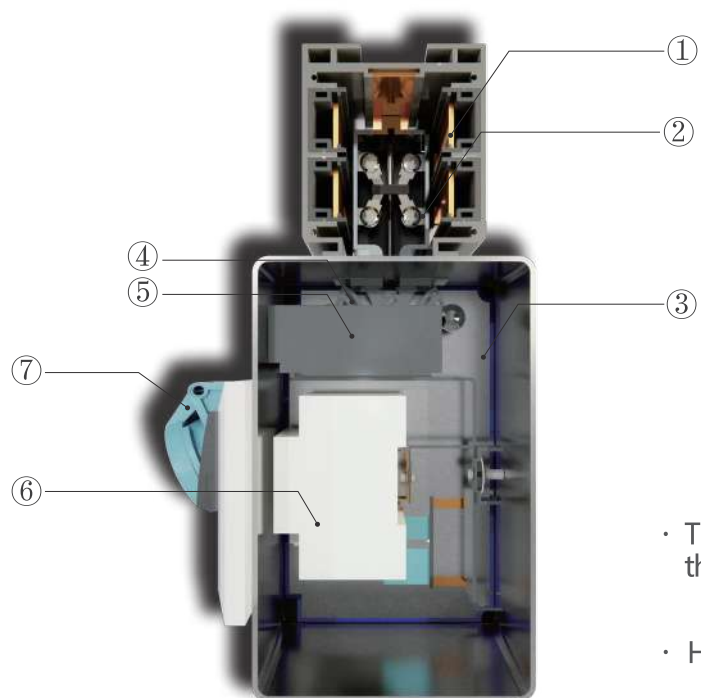


Z-shaped elbow



T-shaped elbow

Plug-in Box



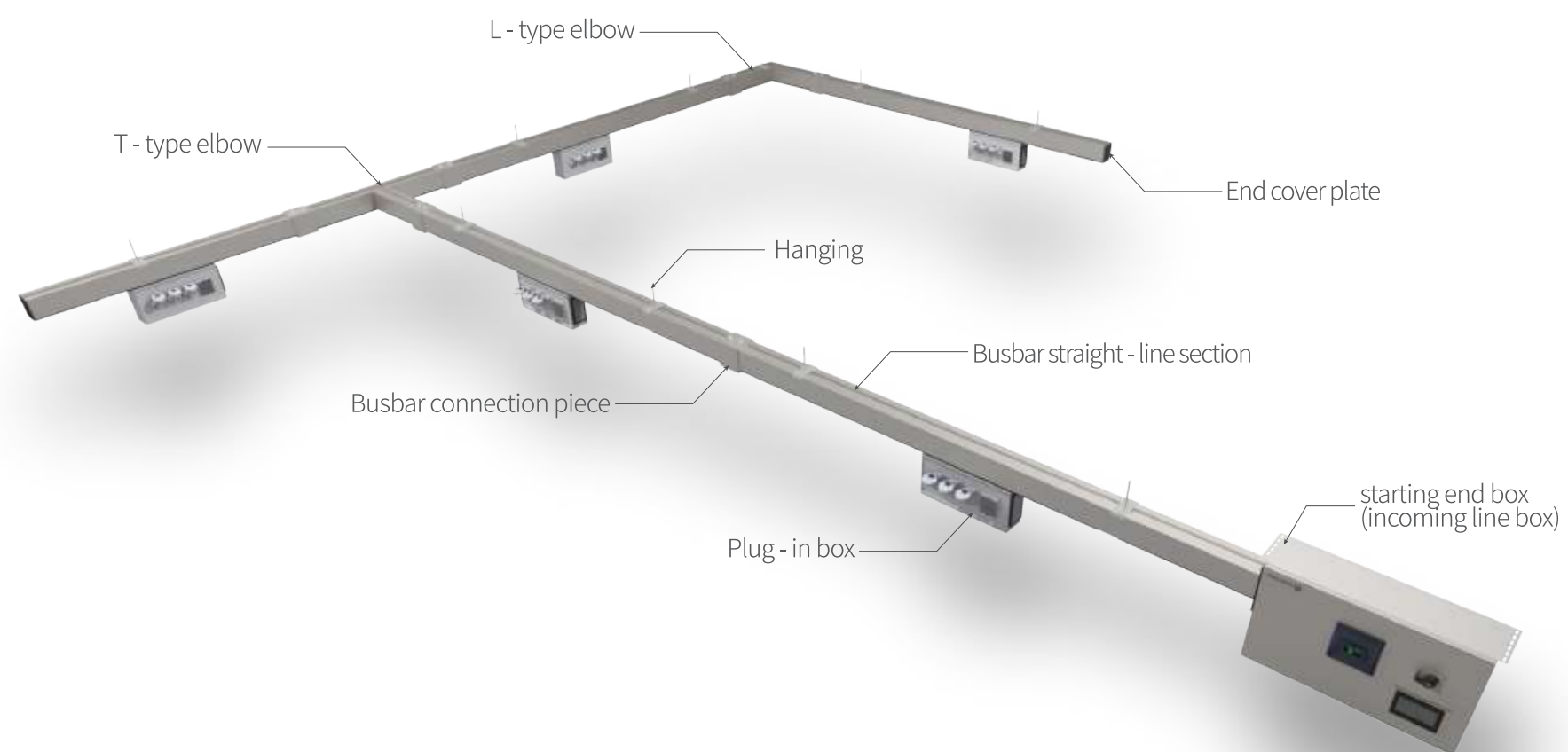
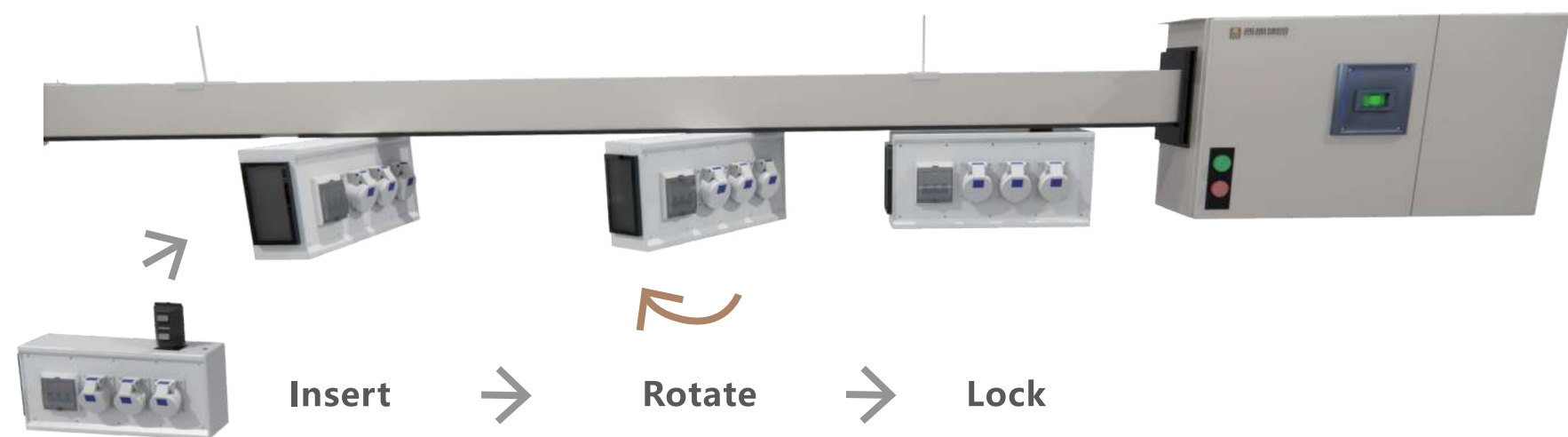
Specification	A	B
160A	500	500
200A	500	500
250A	500	500
315A	500	500
400A	500	500
630A	500	500
800A	500	500

Note: For elbows over 600mm, please place a special order, and the longest one can be 1000mm.

- Three-sided integrated profile + linear sheath and conductor, constituting the busbar trunk line track structure;
- High-elastic high-conductive terminals extract current from the main busbar;
- Branch current passes through microcircuit protection and is output to PDU via industrial connectors;
- Configured with full power and temperature monitoring modules;
- The plug-in box is equipped with a chain mechanism and can be quickly fixed to the bottom of the busbar.

- ① Main copper bar
- ② Spring-loaded Terminal
- ③ Tap-off box
- ④ Interlock mechanism
- ⑤ Micro-circuit breaker
- ⑥ Monitoring module
- ⑦ Industrial socket

Flexible Assembly



L - type elbow

T - type elbow

End cover plate

Hanging

Busbar straight - line section

Busbar connection piece

Plug - in box

starting end box (incoming line box)