

RYM-M EPOXY RESIN
CURED INSULATION
BUSBAR
(315A-5000A)



<https://www.rybusway.com>

 **RENYUN**



With the emergence of modern factories, equipment, and new energy industries, electricity consumption across various sectors has surged rapidly. Particularly, with the advent of high-rise buildings and large workshops, traditional power transmission conductors "cables" can no longer meet the requirements in high-current transmission systems. The parallel use of multiple cables has brought numerous inconveniences and potential safety hazards to engineering projects. Thus, the high-current plug-in busway, which is safer, more durable, more energy-efficient, and more cost-effective, has emerged as the times require, perfectly replacing traditional cables.

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Company Profile

Renyun (Hunan) Busbar Co., Ltd. (founded in 2008) is a technology-driven power transmission & distribution enterprise. Focused on busbar R&D, production, sales, and service, we aim to build a world-class brand.

Key Strengths:

50,000m² production base with 8 automated lines

12 global offices ensuring worldwide coverage

Comprehensive busbar solutions: compact, air-insulated, fire-resistant, high-voltage enclosed, resin-cast, tubular, flexible, and energy-saving types

Certifications:

ISO 9001, ISO 14001, ISO 45001, CE

8S management standard implemented



Mission: Enable the world to enjoy advanced, safe, and energy-efficient busbar power supply systems.

Goal: Continuously push technological boundaries while consistently delivering service beyond customer expectations.

● ISO system certificate



● Patent certificate, CCC, CE, Kema-Keur certificate

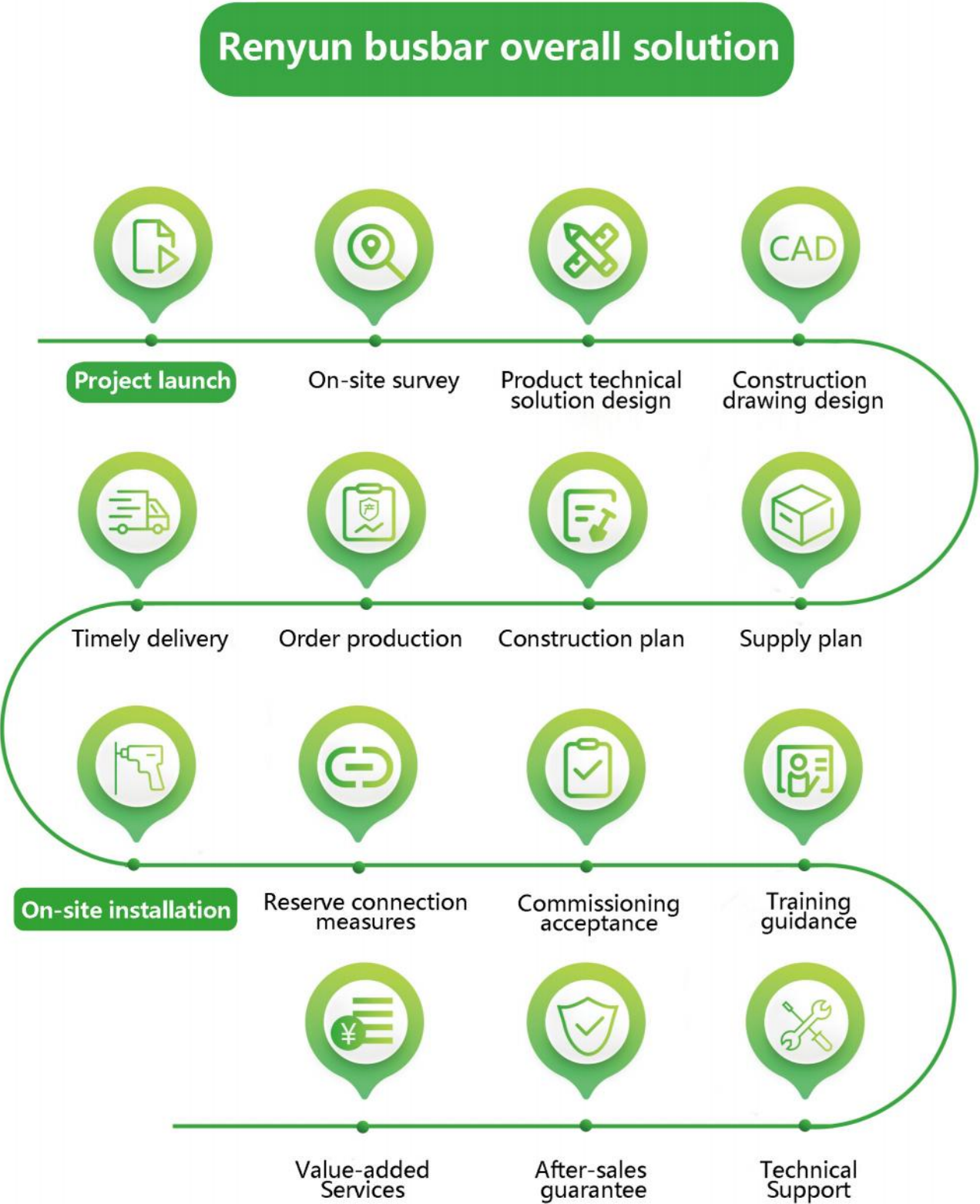


● Trusted by Numerous Renowned Enterprises



One-stop busbar system supplier
Professional, High quality, Trustworthy

RenYun Global Strategic Distribution



60+ Exporting countries and regions
10+ Global Service Network
100+ Professional and technical personnel
300000+ Cumulative customer service

Renyun (Hunan) Busbar Co, Ltd. Add.No. 147, South Section of East 11th Road, Economic Development Zone, Changsha, Hunan Province		Tle:+86 151 1634 2188
Middle East: United Arab Emirates, Saudi Arabia, Qatar		Africa: Egypt, South Africa, Nigeria
Australia: Australia, New Zealand		Europe: Germany, Poland, Netherlands, Russia
North America: United States, Mexico		South America: Brazil, Peru, Chile
Southeast Asia: Singapore, India, Indonesia, Malaysia, Bangladesh		



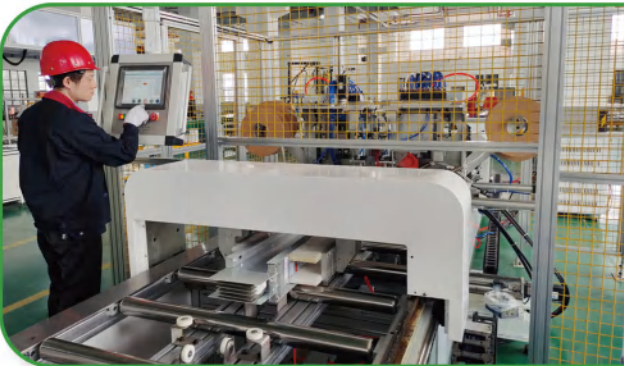
Automatic Busduct Housing Blanking and Forming Line

Fully automated equipment is used to perform blanking, forming, punching, punching insertion interfaces, and cutting operations on high-quality carbon structural steel housings for busducts, effectively ensuring the strength, quality, and precision of the produced housings.



Advanced Welding Process

The busbar welding adopts the advanced friction stir welding technology in the industry, which makes the weld seam uniform and smooth. It greatly reduces the impact of welding on the electrical conductivity, reduces heat generation, and is energy - saving and environmentally friendly.



Automatic busduct riveting and assembly line

The fully automated busduct riveting line perfectly combines robots with self-piercing riveting technology. It can intelligently adjust the riveting force and the spacing between rivets, ensuring that the assembled busduct has a compact, regular and aesthetically pleasing structure.



Precise sawing of special-shaped bent housings

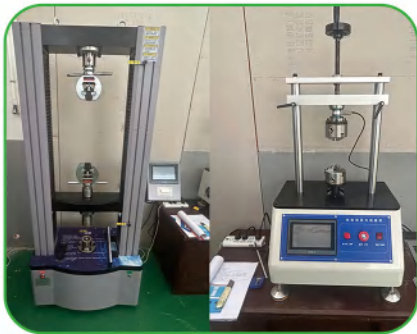
In the design of busducts, various elbows require the housing to be cut at different angles. A fully automatic double-head CNC cutting machine is used to saw and cut the material according to the required dimensions and specified angles, ensuring that the special-shaped bent housings are perfectly horizontal and vertical and fit tightly after welding, without any angular deviation.



High-current emperature rise performance detector



Integrated Tester for Intelligent Busbar System



Fully Automatic Tensile/Torsion Force Detection



Conductivity Detection of Busbars



Coating Thickness Detection of Copper Busbars



Salt Spray Test for Components and Parts



Paint Film Thickness Detection



Paint Film Performance Testing



Flatness and Appearance Inspection of Copper Busbars

Professional Project Management

Comprehensive Business Plan

An experienced business team conducts project and user needs analysis, incorporates relevant standards to ensure the rational implementation of user requirements, customizes business solutions, and offers a variety of cooperation models for selection.



Professional Technical Solution

A seasoned industry technical team conducts on-site surveys and customizes professional technical solutions for each project. They can appropriately select or design different types of busbars for various scenarios such as factories, real-estate projects, data centers, residential electrical shafts, and distribution rooms, providing customers with a safe busway power supply system.



Comprehensive Process Control

Develop comprehensive supply and construction plans before project implementation to ensure each project phase proceeds in an orderly manner. Conduct objective and accurate risk assessments, and strictly adhere to customer delivery schedules from both product manufacturing and on-site installation perspectives.



Comprehensive Service Assurance

Powerful Service Team

Senior installation service engineers have served clients such as Changsha Rail Transit Group, Changsha Huanghua International Airport, Hunan Television Station, China National Petroleum Corporation, BYD, and Huawei, earning unanimous praise and trust from users. The service team, spread across major cities nationwide, ensures prompt on-site arrival based on project proximity.



Comprehensive Service Provisions

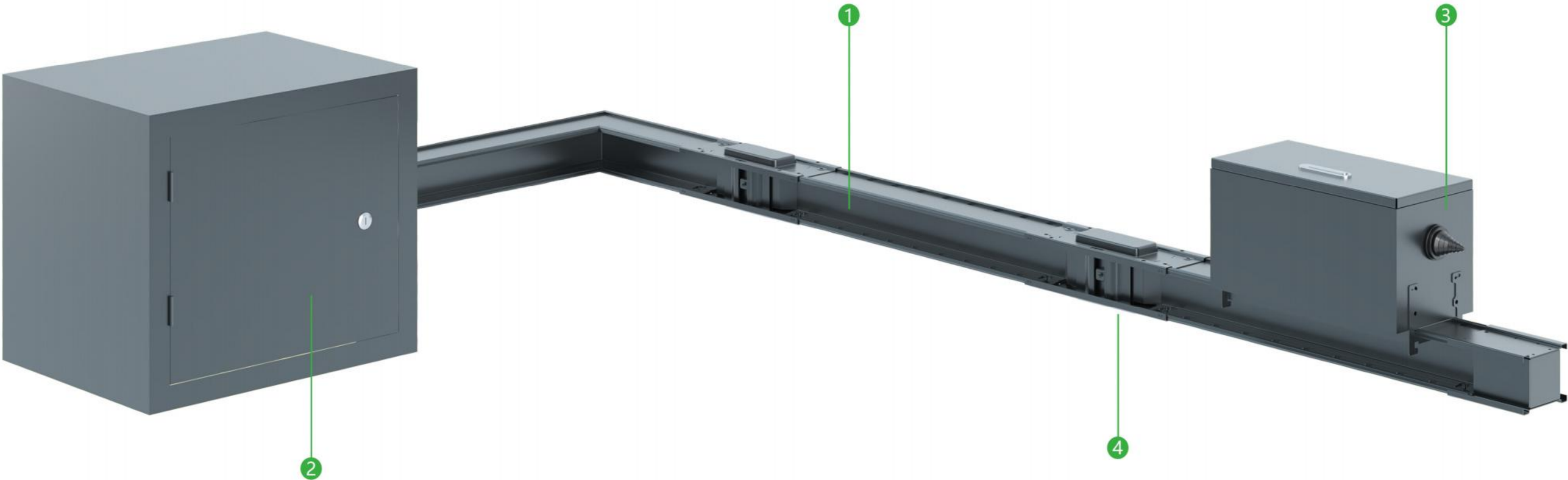
Provide standardized service support for customer projects, including: professional training programs, comprehensive technical documentation, 2-hour prompt response with rapid on-site arrival, first-year warranty and lifetime maintenance support, spare parts availability at any time, and support for upgrades and retrofitting. Ensure customers experience all-round service comparable to a dedicated caretaker.



Thoughtful Value-Added Services

Drawing on years of industry experience, we have customized a variety of value-added services to meet the diverse service needs of different clients, including annual inspection service, trade-in replacement, upgrade & retrofitting, and customized accessories. We always prioritize client-centric thinking and actively listen to their voices.





1 Busbar

It includes various shapes such as straight sections, L-shaped bends, Z-shaped bends, T-shaped bends, etc. Its functions are divided into two types: feeder type and plug-in type.



2 Feeding unit

Including cable distribution boxes, flanges, supplying power to bus ducts through cables or copper bars.



3 Plug in unit

Adopting circuit breaker protection, the current level covers 16A-630A.



4 connector

Efficient insulation boards for phase isolation, the connection is simple, flexible, and convenient



Special Topic on Epoxy Resin Coating Technology

Compact busbars effectively reduce volume and temperature rise by arranging conductors closely. However, they also have high requirements for insulation, temperature resistance, and waterproofing between conductors, which serve as the basic line of defense for busbar safety. Therefore, excellent conductor insulation technology is the fundamental guarantee for the performance of busbars. The RYM-M series busbars adopt epoxy resin coating technology, enabling the conductors to be covered with a dense epoxy resin layer. This completely eliminates the possibility of contact short circuits between conductors and elevates electrical transmission performance to a new level.

Waterproof and dustproof:

The vulcanized coating will eliminate 100% of the conductor from contact with the air, so as to effectively waterproof, dustproof, anti-oxidation, through 1800 hours of salt spray test, the protection level reached IP66.

Withstand high voltage:

Epoxy insulation material (H-class insulation) can withstand 5KV voltage, which is twice that of traditional insulation materials.

Super toughness and strength:

The vulcanized coating has strong adhesion and does not fall off when the conductor is distorted.

Anti-hot and cold cycle:

Vulcanized insulation can still have the same insulation pressure resistance and flame retardant ability under the destructive test of -40 °C -125 °C hot and cold cycle.

Energy efficient:

Because of its high conductive radiation heat dissipation capacity, temperature affects conductor impedance and voltage drop, resulting in low power consumption.

Strong fire resistance, fast heat dissipation:

Vulcanized insulation can be directly baked by a flame at 1300°C for 10 seconds, without any damage to the insulation layer, and has a high conductive radiation heat dissipation capacity in a very short time. At the same time, when the high short-circuit current occurs, the thermal kinetic energy can be quickly transmitted out, and the conductor will not melt and destroy.



Raw Material Properties



High-Quality Conductor

High-purity electrolytic copper is preferably selected. Its electrical conductivity reaches over 57 MS/m (100% ACS), and the copper content is over 99.95%. Special processing techniques are adopted to strictly control the impurity content within the conductor. Compared with traditional busbars of the same cross-section, the loss is reduced by 3% - 5%. There are multiple options for the conductor surface treatment, such as tin plating and silver plating. The alloy electroplating process is adopted, leading to a 5% - 8% reduction in contact resistance compared with the common electroplating process of traditional busbars.
(Note: Aluminum conductors can also be selected, with an aluminum content of >99.50%. The surface of the conductor is treated with copper plating and tin plating processes.)



Excellent Insulation Materials (Alternative Options)

Conductor insulation materials can be selected by customers as alternatives to epoxy resin coatings, including polyester films with insulation class B (130°C) or class F (155°C). The flame-retardant performance meets the UL94 standard, and the single-layer voltage resistance can reach more than 10,000V. There are six layers of insulation between phases, achieving the optimal heat dissipation and insulation effects. They have obtained ROHS environmental certification, do not produce toxic gases at high temperatures, and have passed the 5,000-hour aging test. All busbars undergo a 3,750V AC high-voltage test before leaving the factory to ensure 100% qualification of the product's insulation performance. They are high-performance professional electrical insulation materials recommended by the international IEC (International Electrotechnical Commission).



Fully Enclosed Enclosure

The fully enclosed structure enhances the protection level of the busbar and reduces the accumulation of dust inside the busbar; It adopts 6063 aluminum-magnesium alloy profiles with a thermal conductivity of 200W/m·K, which is about 3 times that of steel enclosures, providing excellent heat dissipation and dynamic and thermal stability resistance for the system. The surface of the enclosure is sprayed with fire-retardant plastic powder, ensuring resistance to corrosion in various environments with a salt spray test duration of over 1800 hours and preventing the spread of flames. (Note: High-quality carbon structural steel plates can be used instead according to customer requirements.)



Product Certification

Epoxy resin cured insulation busbars are certified with CCC, CE, ISO, and CQC certifications, and comply with GB/T7251.6-2015, EN61439-6:2012, and IEC 61439-6:2012 standards

Feature Description

Fire Safety

The continuous space within the busduct is sealed by internal smoke barriers to prevent smoke from spreading through the busduct during a fire, particularly when the busduct passes through walls or floors, thus avoiding the formation of a 'chimney effect' combustion path. All busbar components use halogen-free materials, ensuring no smoke or toxic substances are emitted in fire scenarios.



Short Circuit Withstand Test

To meet the high reliability requirements of power distribution systems in today's commercial and industrial buildings, the M Series busduct is designed to provide superior short circuit withstand capability.



IP Rating

The busbars are available with IP ratings of IP54, IP55, and IP65 to meet different requirements.



Combination Connector

Technical Innovation

Adopts double-ended torque shear bolts with a standard tightening torque of $70 \pm 10 \text{ N}\cdot\text{m}$. When tightened until the external connector and nut shear off, the torque meets the specified requirement. The double-sided overlapping busbar phase bars feature surface tin-plated treatment to enhance the electrical conductivity of the connection points



Standard Connector

Standard Connector

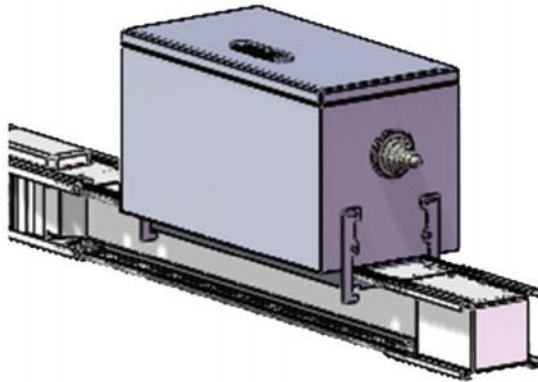
Specially designed manganese steel washers maintain good toughness and plasticity of austenite while the hardened layer offers excellent wear resistance. The edges of the insulation barriers feature special concave-convex grooves to increase creepage distance.

The connector cover is equipped with rubber-plastic sealing gaskets to enhance dust and water resistance. Each connector provides $\pm 4\text{mm}$ adjustment compensation to absorb length changes caused by thermal expansion and contraction of the busbars. Temperature indicating labels are included to alert maintenance personnel in case of system faults or excessive temperature rise, eliminating potential hazards.



Retaining Nut

Plug-in Box



Plug-in Box

Circuit breakers from all brands and configuration requirements can be optionally selected to meet the branch circuit power supply design with rated currents ranging from 16A to 630A.

Superior Water Ingress Protection Rating

The plug-in interface and plug-in box door feature a waterproof design, providing dust and moisture resistance to meet the requirements of applications with up to IP66 rating.

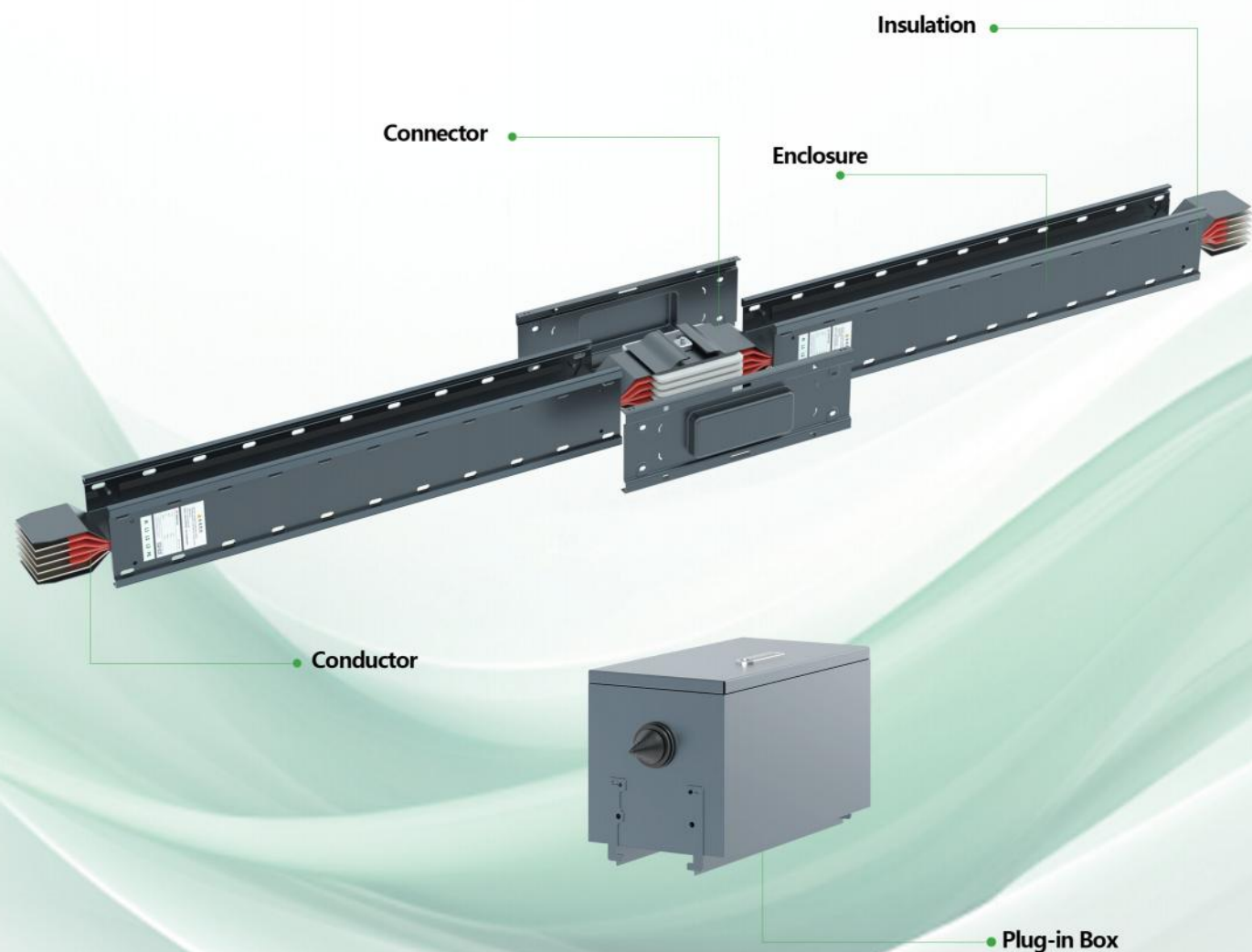
Protective Functions

Adopts a bimetallic T-shaped pin structure with surface tin-plated treatment to ensure long-term contact pressure and reduce pin temperature rise. The phase misconnection prevention design guarantees error-free plugging and unplugging of the plug-in box.

High-quality conductors and superior insulation materials

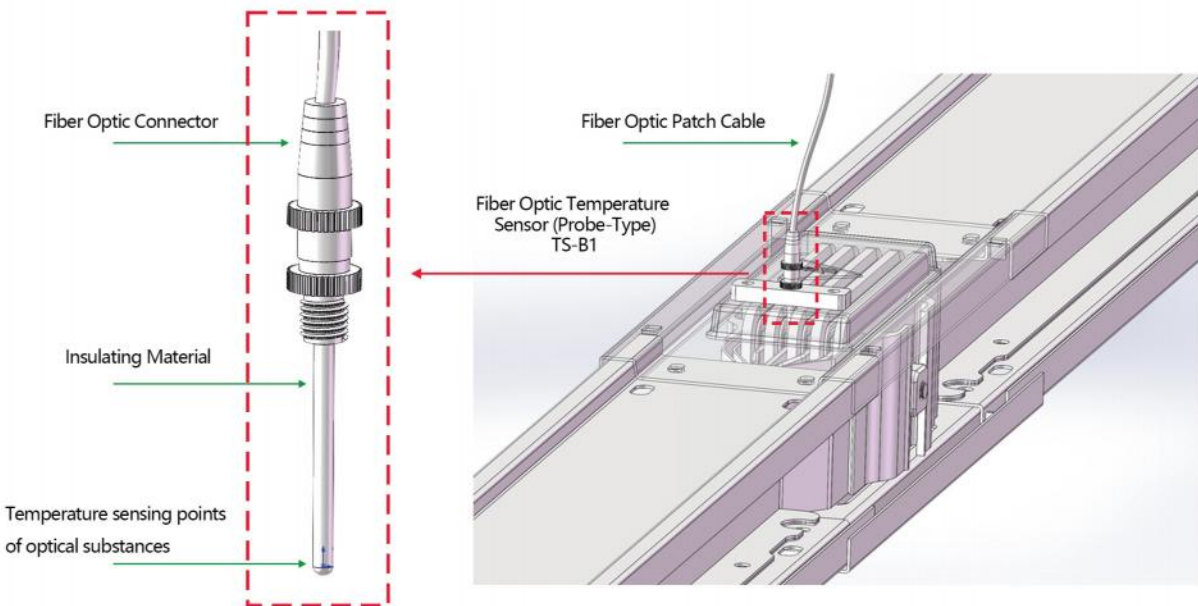
High performance, high strength, IP66 rating

Product Structure

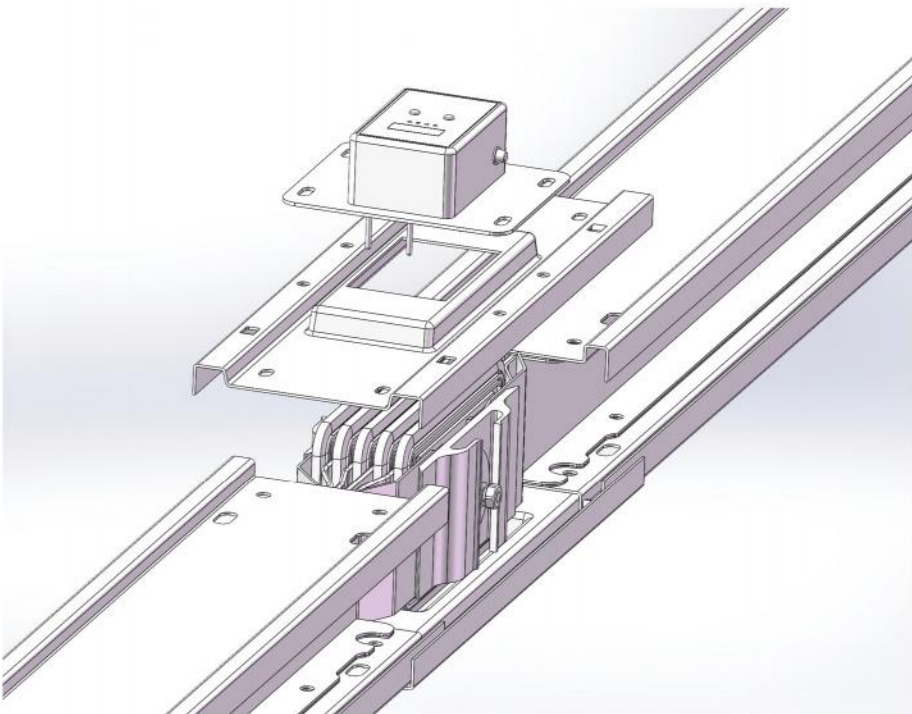


Busduct Application Scenarios

The busbar system requires the installation of photoelectric temperature sensors, with pre-drilled holes and mounting positions provided for sensor installation (sensor not included in busbar supply). A waterproof and dustproof cover shall be installed above the sensor.



Busbar Trunking Fiber Optic Temperature Sensor Installation Diagram



Busbar Trunking Temperature Sensor Mounting Plate Dimension Diagram

Busduct Product Technical Parameters Table

Copper conductor

Standards		GB/T7251.6-2015(CCC)、EN61439-6:2012(CE)											
Conductor Materials		Cu*Ag ≥ 99.95%											
Enclosure		Q235 Carbon Steel Plate / 6063-T5 Aluminum-Magnesium Alloy											
Per Unit Length		Standard lengths are available in any increments from 0.5m to 3m, while lengths from 3m to 10m are customizable											
IP Rating		IP66 (without Tap-Off Unit)											
Rated Insulation Voltage	V	800V (with Tap-Off Unit) / 1000V (without Tap-Off Unit)											
Rated Voltage	V	400V (with Tap-Off Unit) / 1000V (without Tap-Off Unit)											
Rated Frequency	Hz	50											
Phase Configuration		Available configurations: 3P+N or 3P+N+PE. PE optional: 50% or 100% (relative to phase conductor cross-section)											
Rated Current	A	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000
Resistance (R20)	mΩ/m	0.0173	0.0134	0.0101	0.0086	0.0060	0.0050	0.0038	0.0029	0.0022	0.0017	0.0014	0.0012
Reactance (X20)	mΩ/m	0.0058	0.0049	0.0039	0.0037	0.0029	0.0027	0.0023	0.0019	0.0013	0.0009	0.0005	0.0003
Impedance (Z20)	mΩ/m	0.0186	0.0142	0.0107	0.0092	0.0065	0.0056	0.0043	0.0035	0.0025	0.0019	0.0015	0.0012
Voltage Drop at Power Factor (cosφ) = 0.9	V/m	0.0125	0.0120	0.0115	0.0128	0.0113	0.0121	0.0125	0.0114	0.0102	0.0097	0.0089	0.0111
Mechanical Load Capacity	kg	15				30			45			60	
Rated Short-Time withstand Current	kA	30						65		80		100	
Rated Peak withstand Current	kA	63						176				220	
Rated Impulse withstand Voltage	kV	8											
Clearance	mm	≥ 10											
Creepage Distance	mm	≥ 16											
Insulation Resistance	MΩ	≥ 20											
Dielectric Properties		No breakdown or flashover at 4 kV for 5 seconds											
Temperature Rise	K	≤ 70K (all conductive joints) ≤ 55K (enclosure)											
Number of Tap-Off Points		Minimum spacing of 1m per tap-off unit (with optional dual-sided tap-off capability)											
Maximum Fixed Spacing	m	2											
Installation Method		Vertical or horizontal											
Operating Conditions		Ambient Air Temperature: Maximum +40° C, Minimum -20° C Humidity Conditions: Daily average relative humidity ≤ 95%; Monthly average relative humidity ≤ 90%; Daily average water vapor pressure ≤ 2.2kPa ; Monthly average water vapor pressure ≤ 1.8kPa, Altitude: ≤ 2000m, Seismic Intensity: ≤ VIII (8th degree); Environmental Requirements:No prolonged severe vibration, shock, or hazardous locations with explosion risks.No corrosive media that can damage metals or electrical insulation.Note: For applications exceeding the above normal environmental conditions, please negotiate with our factory for customized solutions.											

Busduct Product Technical Parameters Table

Aluminum conductor

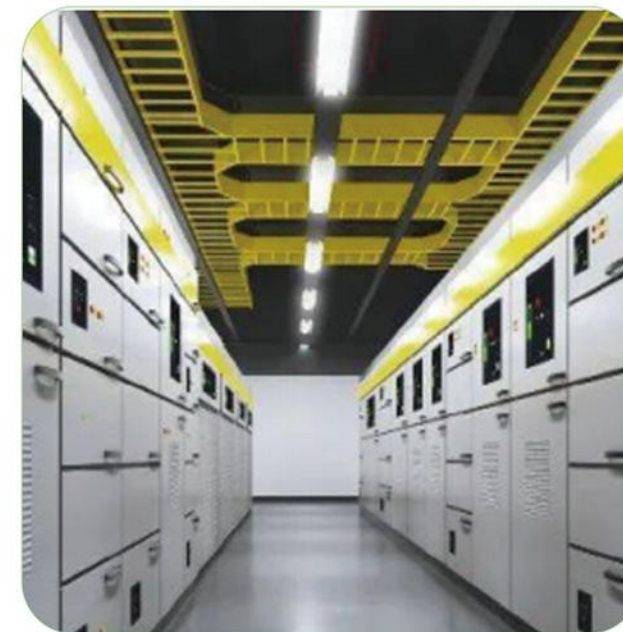
Standards		GB/T7251.6-2015(CCC)、EN61439-6:2012(CE)												
Conductor Materials		Al ≥ 99.50%												
Enclosure		Q235 Carbon Steel Plate / 6063-T5 Aluminum-Magnesium Alloy												
Per Unit Length		Standard lengths are available in any increments from 0.5m to 3m, while lengths from 3m to 10m are customizable												
IP Rating		IP66 (without Tap-Off Unit)												
Rated Insulation Voltage	V	800V (with Tap-Off Unit) / 1000V (without Tap-Off Unit)												
Rated Voltage	V	400V (with Tap-Off Unit) / 1000V (without Tap-Off Unit)												
Rated Frequency	Hz	50												
Phase Configuration		Available configurations: 3P+N or 3P+N+PE. PE optional: 50% or 100% (relative to phase conductor cross-section)												
Rated Current	A	315	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000
Resistance (R20)	mΩ/m	0.0145	0.0116	0.0097	0.0073	0.0058	0.0048	0.0036	0.0029	0.0023	0.0019	0.0015	0.0012	0.0010
Reactance (X20)	mΩ/m	0.0047	0.0039	0.0035	0.0028	0.0025	0.0023	0.0019	0.0017	0.0015	0.0011	0.0007	0.0004	0.0002
Impedance (Z20)	mΩ/m	0.0486	0.0125	0.0103	0.0077	0.0062	0.0052	0.0040	0.0033	0.0028	0.0021	0.0016	0.0013	0.0010
Voltage Drop at Power Factor (cosφ) = 0.9	V/m	0.0086	0.0084	0.0087	0.0083	0.0086	0.0091	0.0087	0.0096	0.0092	0.0086	0.0084	0.0075	0.0089
Mechanical Load Capacity	kg	15					30			45			60	
Rated Short-Time withstand Current	kA	30						65			80		100	
Rated Peakwithstand Current	kA	63								176			220	
Rated Impulse withstand Voltage	kV	8												
Clearance	mm	≥ 10												
Creepage Distance	mm	≥ 16												
Insulation Resistance	MΩ	≥ 20												
Dielectric Properties		No breakdown or flashover at 4 kV for 5 seconds												
Temperature Rise	K	≤ 70K (all conductive joints) ≤ 55K (enclosure)												
Number of Tap-Off Points		Minimum spacing of 1m per tap-off unit (with optional dual-sided tap-off capability)												
Maximum Fixed Spacing	m	2												
Installation Method		Vertical or horizontal												
Operating onditions		Ambient Air Temperature: Maximum +40° C, Minimum -20° C Humidity Conditions: Daily average relative humidity ≤ 95%; Monthly average relative humidity ≤ 90%; Daily average water vapor pressure ≤ 2.2kPa ; Monthly average water vapor pressure ≤ 1.8kPa, Altitude: ≤ 2000m, Seismic Intensity: ≤ VIII (8th degree); Environmental Requirements:No prolonged severe vibration, shock, or hazardous locations with explosion risks.No corrosive media that can damage metals or electrical insulation.Note: For applications exceeding the above normal environmental conditions, please negotiate with our factory for customized solutions.												



Busduct Application Scenarios



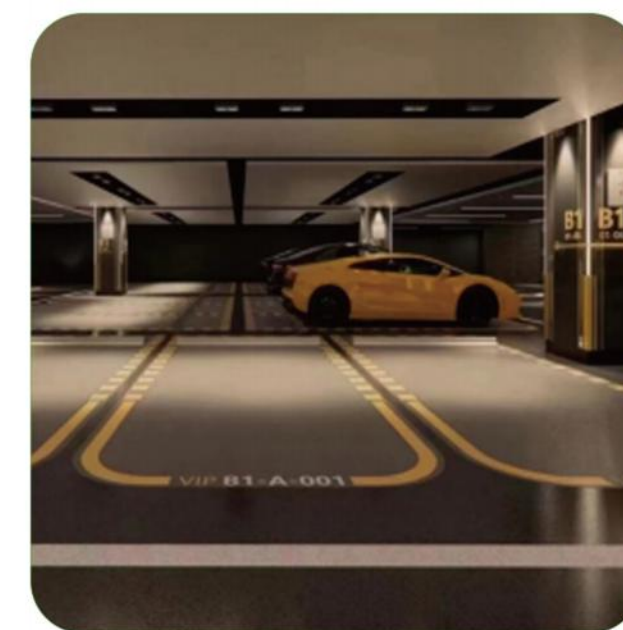
Shopping malls, office buildings, hospitals: Power supply from distribution equipment to various floors of high-rise buildings.



Data centers, Distribution rooms: Interconnection of power transformation and distribution equipment: Interconnection between transformers and distribution equipment or distribution panels.



Factories: Power supply from power distribution equipment to multiple power-consuming devices within a single plane.



Underground garages: Interconnection between Distribution rooms and main distribution routes of various building blocks

Busbar Numbering Rules

Epoxy resin cured insulation
busbar(315A-6300A)

The catalog number consists of a title and a suffix, where the title indicates the specifications and the suffix indicates the functional parameters. When selecting a model, choose color-coded codes from the left-hand table as needed (select one) to replace the corresponding codes in the product model.

		M	03	5P	T	L	FE	65
Product Series	Code	M	03	5P	T	L	FE	65
Epoxy resin cured insulation busbar	M							
Current Rating	Code		03	5P	T	L	FE	65
315A	03							
400A	04							
500A	05							
630A	06							
800A	08							
1000A	10							
1250A	12							
1600A	16							
2000A	20							
2500A	25							
3200A	32		03	5P	T	L	FE	65
4000A	40							
5000A	50							
System Wiring Configuration			03	5P	T	L	FE	65
3-phase 4-wire system	4P							
3-phase 5-wire system	5P							
Neutral + 3 Line Conductor Material			03	5P	T	L	FE	65
Copper	T							
Aluminium	L		03	5P	T	L	FE	65
Protective Earth Conductor Material			03	5P	T	L	FE	65
Copper	T							
Aluminium	L		03	5P	T	L	FE	65
IP Rating			03	5P	T	L	FE	65
IP54	54							
IP65	65							
IP66	66							
Component Type			03	5P	T	L	FE	65
Straight Busbar	L							
Flange	FE							
Elbow	LR							
Tee	T							
Expansion Joint	EZ							
Variable Capacity Joint	R							
Phase Changer	PT							
IP Rating			03	5P	T	L	FE	65
IP54	54							
IP65	65							
IP66	66							

Socket and Plug-in Box Numbering Rules

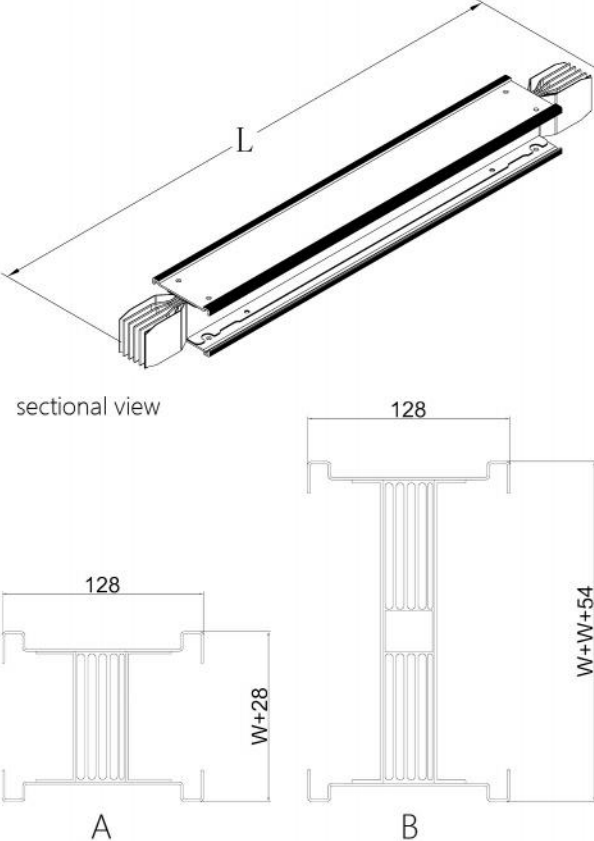
Epoxy resin cured insulation
busbar(315A-6300A)

		M	CK	5P	T	L	65
Product Series	Code	M	CK	5P	T	L	65
Epoxy resin cured insulation busbar	M						
Component Type	Code	CK	CK	5P	T	L	65
System Wiring Configuration	CK						
Wiring System Configuration		CK	CK	5P	T	L	65
3-phase 4-wire system	4P						
3-phase 5-wire system	5P	CK	CK	5P	T	L	65
Neutral + 3 Line Conductor Material		CK	CK	5P	T	L	65
Copper	T						
Aluminum	L	CK	CK	5P	T	L	65
Protective Earth Conductor Material		CK	CK	5P	T	L	65
Copper	T						
Aluminum	L	CK	CK	5P	T	L	65
IP Rating		CK	CK	5P	T	L	65
IP54	54						
IP65	65						
IP66	66						

		M	CX	5P	T	L
Product Series	Code	M	CX	5P	T	L
Epoxy resin cured insulation busbar	M					
Component Type	Code	CX	CX	5P	T	L
Plug-in Box	CX					
Current rating	Code	CX	CX	5P	T	L
80A	08					
125A	12					
160A	16					
200A	20					
250A	25					
400A	40					
630A	63	CX	CX	5P	T	L
System Wiring Configuration		CX	CX	5P	T	L
3-phase 4-wire system	4P					
3-phase 5-wire system	5P	CX	CX	5P	T	L
Neutral + 3 Line Conductor Material		CX	CX	5P	T	L
Copper	T					
Aluminum	L	CX	CX	5P	T	L
Protective Earth System Configuration		CX	CX	5P	T	L
Copper	T					
Aluminum	L	CX	CX	5P	T	L

Note: The circuit breaker inside the plug-in box is available in various options as per customer specifications.

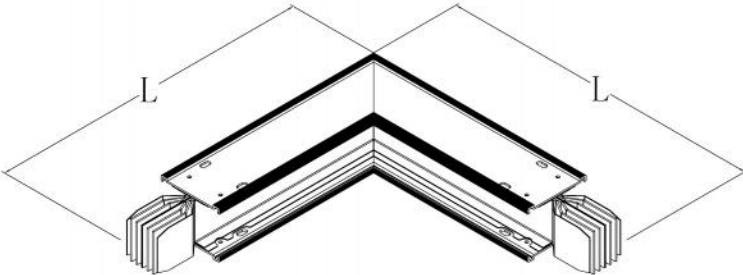
Standard Component – Straight Section



Standard length L = 3m; conventional lengths include 1m, 1.5m, and 2m; non-standard lengths ranging from 0.5m to 6m can be customized.

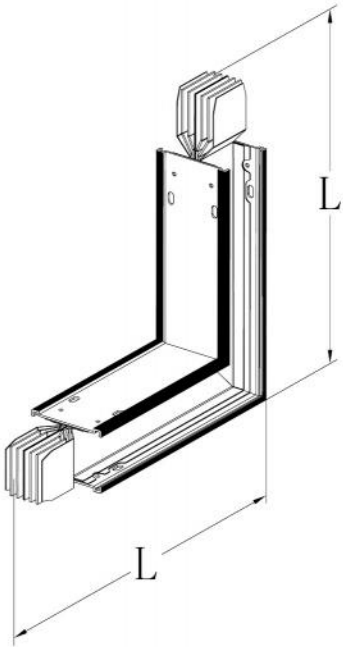
Rated Current	Copper conductorW(mm)	Aluminum conductorW(mm)	picture
315A	/	68	A
400A	63	78	A
500A	73	88	A
630A	88	108	A
800A	98	128	A
1000A	128	148	A
1250A	148	188	A
1600A	188	228	A
2000A	238	278	A
2500A	336	376	B
3200A	376	456	B
4000A	496	556	B
5000A	556	556	B

Standard Elbow – Horizontal Elbow



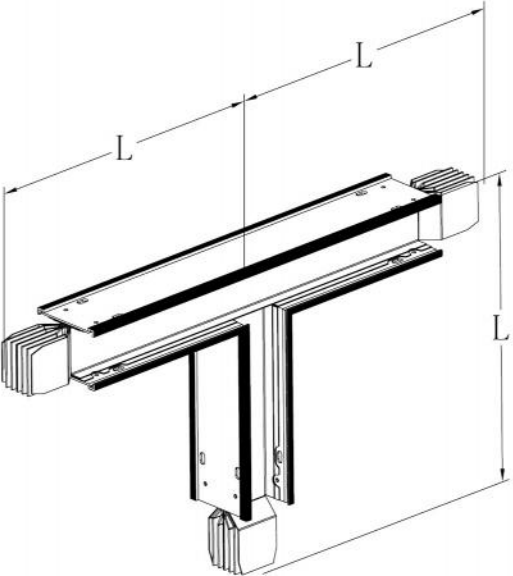
Rated Current	Copper/aluminum conductorL(mm)
315A	350
400A	350
500A	350
630A	350
800A	350
1000A	350
1250A	350
1600A	350
2000A	350
2500A	350
3200A	350
4000A	350
5000A	350

Standard Steering Bend – Vertical Elbow



Rated Current	Copper conductor	Aluminum conductor
	L(mm)min.	L(mm)min.
315A	/	418
400A	413	428
500A	423	438
630A	438	458
800A	448	478
1000A	478	498
1250A	498	538
1600A	538	578
2000A	588	628
2500A	686	726
3200A	726	806
4000A	846	906
5000A	906	906

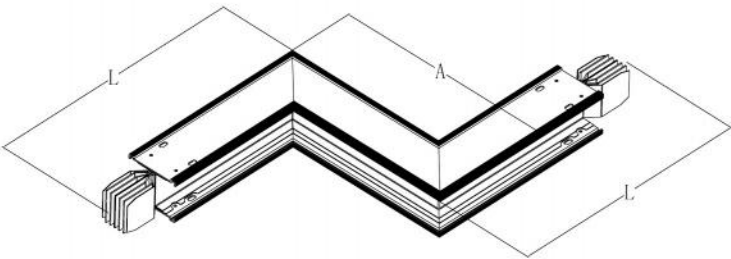
Standard Steering Bend – T-Elbow



Rated Current	Copper conductor	Aluminum conductor
	L(mm)min.	L(mm)min.
315A	/	418
400A	413	428
500A	423	438
630A	438	458
800A	448	478
1000A	478	498
1250A	498	538
1600A	538	578
2000A	588	628
2500A	686	726
3200A	726	806
4000A	846	906
5000A	906	906

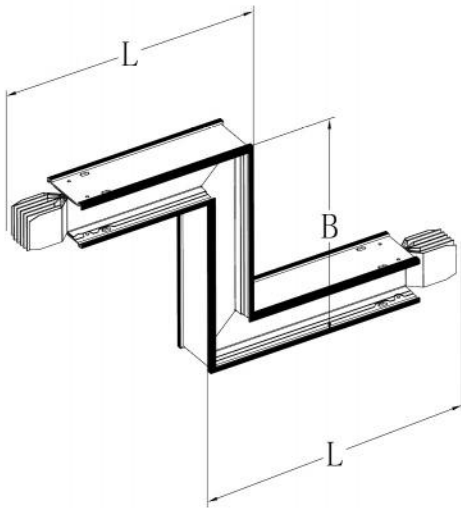
Steering Component – Combined Elbow

The standard components listed in the previous table are generally used in the typical design and installation of the RYM-S series busbar trunking system. We also provide special components with customized lengths and configurations, such as horizontal double elbows, vertical double elbows, and compound steering elbows. The minimum dimensions of these special components are listed in the following table to facilitate flexible planning during design and installation.



Horizontal Double Elbow

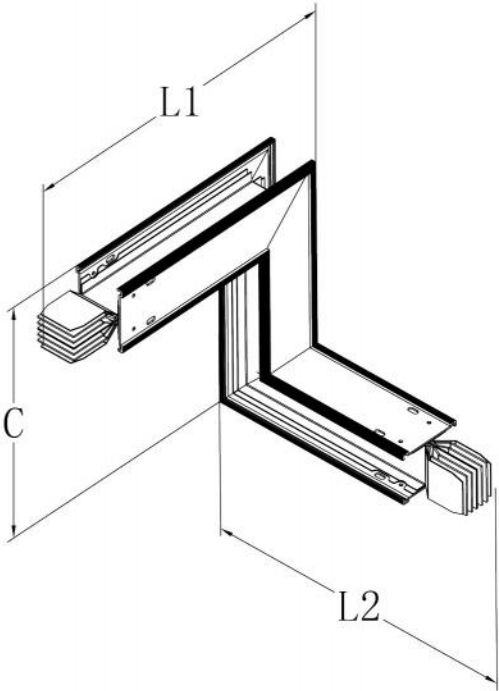
Rated Current	Copper/aluminum conductor	
	L(mm)min.	A(mm)min.
315A	350	416
400A	350	416
500A	350	416
630A	350	416
800A	350	416
1000A	350	416
1250A	350	416
1600A	350	416
2000A	350	416
2500A	350	416
3200A	350	416
4000A	350	416
5000A	350	416



Vertical Double Elbow

Rated Current	Copper conductor		Aluminum conductor	
	L(mm)min.	B(mm)min.	L(mm)min.	B(mm)min.
315A	/	/	418	296
400A	413	286	428	316
500A	423	306	438	336
630A	438	336	458	376
800A	448	356	478	416
1000A	478	416	498	456
1250A	498	456	538	536
1600A	538	536	578	616
2000A	588	636	628	716
2500A	686	832	726	912
3200A	726	912	806	1072
4000A	846	1152	906	1272
5000A	906	1272	906	1272

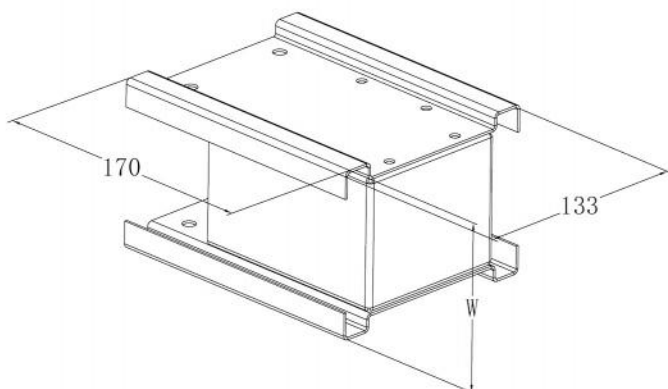
Compound Steering Elbow



Rated Current	Copper conductor			Aluminum conductor		
	L1(mm)min.	L2(mm)min.	C(mm)min.	L1(mm)min.	L2(mm)min.	C(mm)min.
315A	/	/	/	350	418	356
400A	350	413	351	350	428	366
500A	350	423	361	350	438	376
630A	350	438	376	350	458	396
800A	350	448	386	350	478	416
1000A	350	478	416	350	498	436
1250A	350	498	436	350	538	476
1600A	350	538	476	350	578	516
2000A	350	588	526	350	628	566
2500A	350	686	624	350	726	664
3200A	350	726	664	350	806	744
4000A	350	846	784	350	906	844
5000A	350	906	844	350	906	844

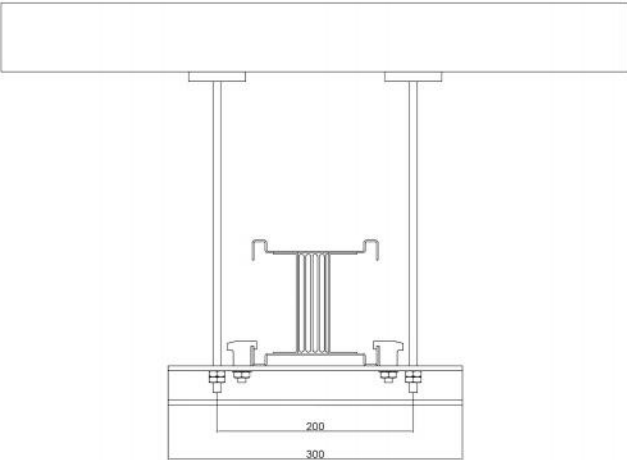
Specifications and Dimensions

Epoxy resin cured insulation
busbar(315A-6300A)

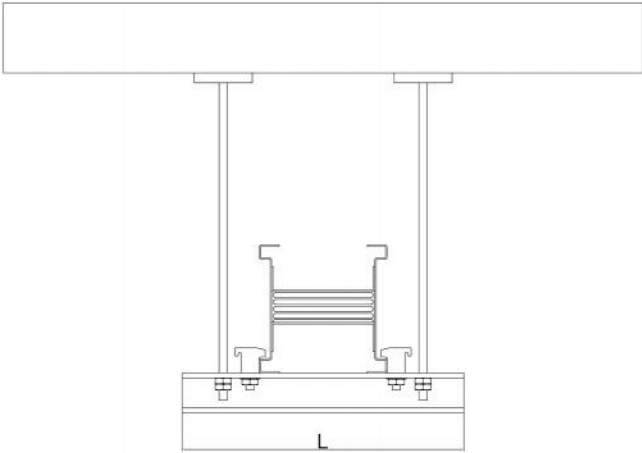


Terminal End Cover

Rated Current	Copper conductorW(mm)	Aluminum conductorW(mm)
315A	/	72
400A	67	82
500A	77	92
630A	92	112
800A	102	132
1000A	132	152
1250A	152	192
1600A	192	232
2000A	242	282
2500A	340	380
3200A	380	460
4000A	500	560
5000A	560	560



Hanger (vertical installation)

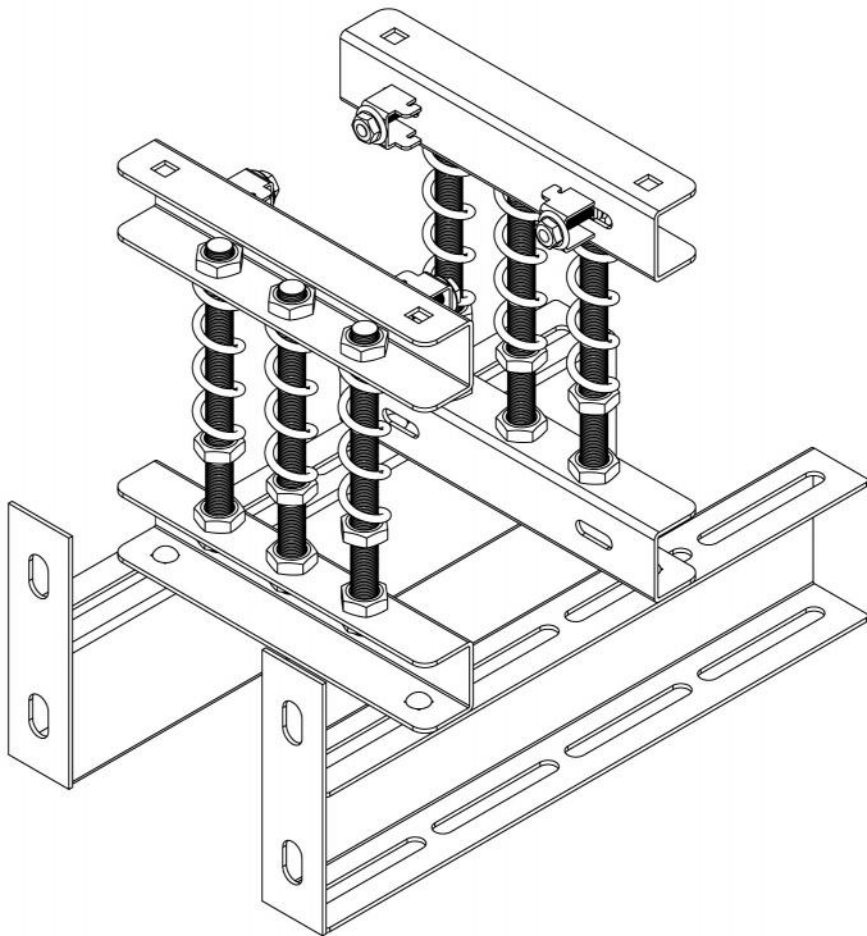


Hanger (horizontal installation)

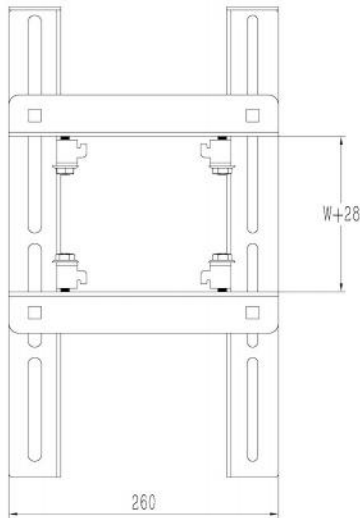
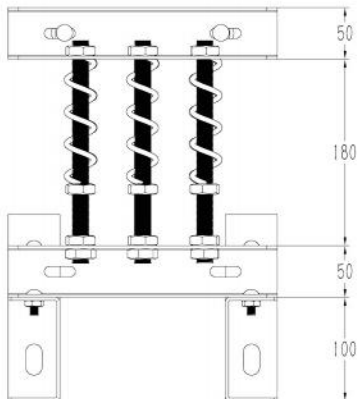
Vertical mounting hangers are fixed-size components.
The crossarm length L of horizontal mounting hangers is customized according to requirements to match the busbar height dimension H, and must be at least $H + 150\text{mm}$.

Specifications and Dimensions

Epoxy resin cured insulation
busbar(315A-6300A)



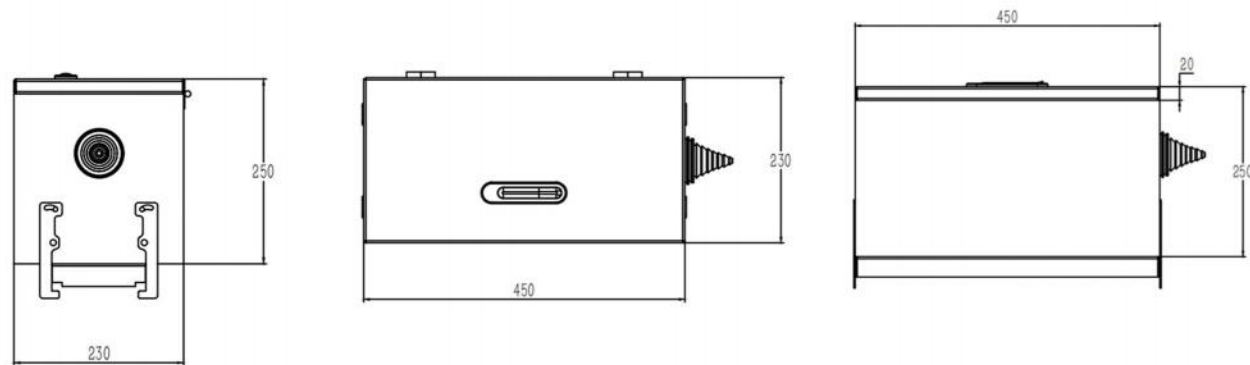
Spring Bracket



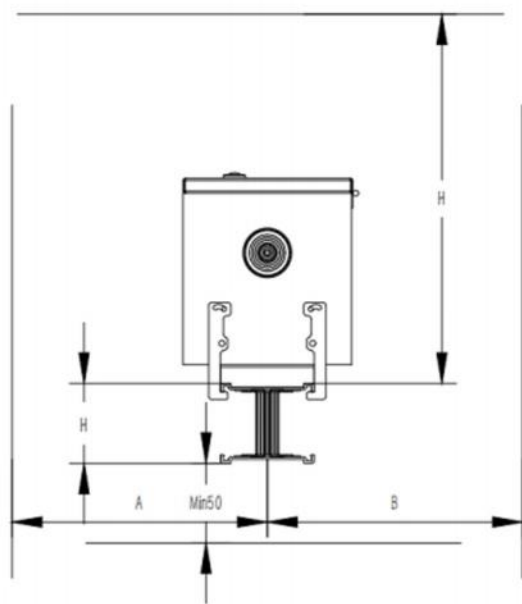
Specifications and Dimensions

Epoxy resin cured insulation
busbar(315A-6300A)

Plug-in Box (Rated Current: 16A–250A) Dimensions: 250 × 230 × 450 mm
Plug-in Box (Rated Current: 280A–630A) Dimensions: 300 × 330 × 500 mm



Plug-in Box Installation Space Schematic



Rated Current	A(mm)	B(mm)	B(mm)
16A-250A	200	300	450
280A-630A	250	350	500

Note: Ensure the correct installation direction of the plug-in box, where Dimension B refers to the opening direction of the box door.

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Due to changes in standards and materials, the functions described in the text and images
These materials will only be binding on us after confirmation by our business department.

