

## 母线槽

Bus ways



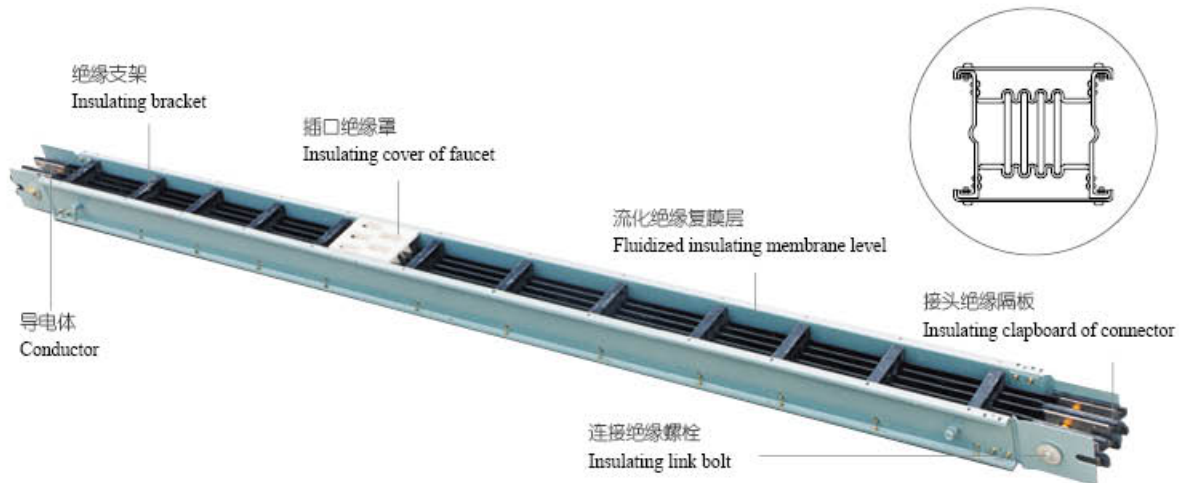
### 概述 General

本母线结合空气型与密集型母线槽的优点，改进设计的新型母线槽，母线采用流化复膜绝缘与用绝缘支架各相隔开，形成间隙的空气介质绝缘新技术，具有双重绝缘的特点，并具有结构紧凑，体积小，输送电流大，绝缘性能好，互换通用性强，供电安全可靠，施工安装方便等优点。主要适用于高层建筑及工矿企事业单位中输送额定电压在 660V 以下的供配电设备。

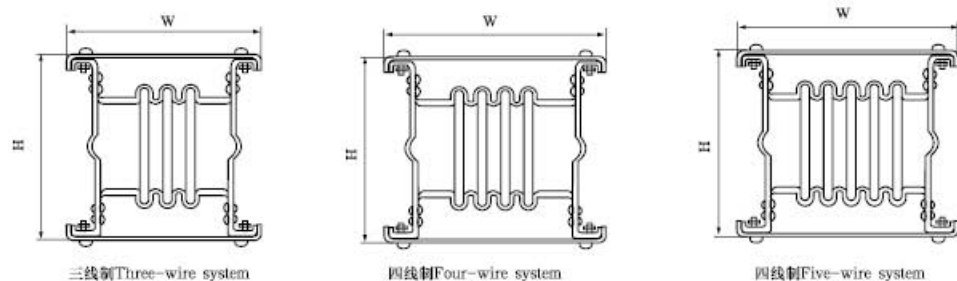
The bus lines absorb the advantages of air type and dense type busways, and design new type bus ways. The bus lines adopt new technology of fluidized membrane innovation which will be blocked off for each other by insulating bracket and then form clearance air medium insulation. The bus lines are characterized on the advantages of duplex insulation, compact structure, small bulk, heavy transfer current, good insulating performance, strong crossing-over performance, safe and reliable power supply, convenient construction and installation etc. They are mainly applied to power supply and distribution equipment trasportating rated voltage below 660V for high-level buildings, industrial and mining enterprise.

代号 Code	名称 Name	代号 Code	名称 Name
A	直线段母线槽 Straight line segment busways	LC	L 型垂直接头 Model L upright connector
S	终端母线槽 Terminal busways	TS	T 型水平接头 Model T level connector
Z	终端盖 Terminal cover	TC	T 型垂直接头 Model T upright connector
SS	十字水平接头 Cross level connector	ZC	Z 型垂直接头 Model Z upright connector
SC	十字垂直接头 Cross upright connector	P	膨胀节接头 Expansion knob connector
ZS	Z 型水平接头 Model Z level connector	BY	变容量接头 Variable capacitance connector
LS	L 型水平接头 Model L level connector	SH	进线箱 Inlet box

### 母线槽结构示意图 Sketch map of bus ways structure



### 母线结构、规格尺寸表 Table of bus structure & specificationspecification





#### 主要性能 Main performance

电气间隙 Electric clearance	爬电距离 Electric climbing distance	防护等级 Fence grade	介电强度 Dielectric strength	绝缘电阻 Insulation resistance
≥ 13	≥ 21	IP41	5000V	≥ 500MΩ

#### 技术参数 Technical parameters

额定电流 Rated current (A)	电阻 Resistance $R \times 10^{-4} \Omega/m$	阻抗 Impedance $Z \times 10^{-4} \Omega/m$	电压降 Voltage drop V/m	短路强度 $I_{sc}$ kA(峰值) Short strength $I_{sc}$ kA(peak value)
250	94.4	105.5	0.023	35
400	70.8	83.2	0.036	50
630	73.0	72.4	0.076	70
800	61.4	69.8	0.085	75
1000	46.9	53.8	0.081	85
1250	35.2	40.6	0.073	100
1600	26.9	31.0	0.075	115
2000	21.0	24.1	0.073	125
2500	17.2	19.7	0.074	135
3150	12.1	16.5	0.074	150
4000	10.5	12.1	0.073	150



始端母线 Initial bus lines

始端母线的连接尺寸可与任何型号开关柜，变压器配接。  
The connecting dimensions of initial bus lines are fit for various switch cubicle and transformer.



变容量节 Variable capacitance knob



T 型垂直接头  
Model T upright connector



L 型水平带始端接头 Model L Initial level connector



L 型水平接头 Model L upright connector



L 型垂直接头  
Model L upright connector

#### 母线槽安装连接法 Installation and connection means of bus ways

母线槽系螺栓连接法，任何人都能轻而易举地进行连接操作，但拧紧接头螺栓是母线连接的保证，630A 以下母线力矩必须达到 8kg，800A 以上力矩必须达到 12kg，紧固后的检验要求用 0.01mm 塞尺检查。

Bus ways adopt the means of bolts connection, so everyone can easily connect them. But screwing connecting bolts is the guarantee of bus lines connection, bus moment with current 630A below must reach 8kg, current 800A above reach 12kg, and the checking tool after fastening should be clearance gauge of 0.01mm.

