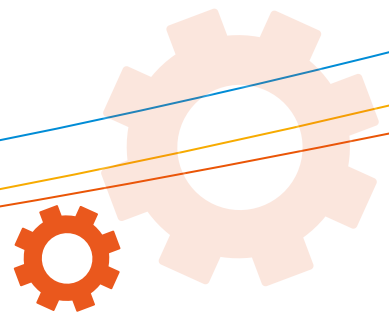


Focus on Industrial Safety



SHENZHEN TONGCHUANG MECHATRONICS CO.,LTD.



COMPANY PROFILE



SHENZHEN TONGCHUANG MECHATRONICS TECHNOLOGY CO., LTD. was founded in 2006, is a national high-tech enterprise and Shenzhen high-tech enterprise integrating research and development, design, production and sales, all the products developed and produced have independent intellectual property rights. The company specializes in industrial safety system, research and development and production of safety grating, safety switch, safety relay module, safety door lock, safety laser scanner, door control unit and other products, to provide customers with professional safety system solutions.

The most important thing about the service and quality of the company's SLC range of products is that customers can use them with confidence. The company is committed to providing a safer workplace for every user. With a professional technology development team, the SLC series of safety products developed and produced by the company have passed the national standard certification, CE certification and the U.S. FCC certification.

Efforts to provide customers with a safer workplace is the company's continued pursuit of the goal under the guidance of this goal, the company's staff will make every effort to provide customers with satisfactory products, quality service, and look forward to working with customers to create a safe industrial production environment and win a better future.





HONORARY CERTIFICATE



认证证书
证书编号: USA210104070224M
深圳市通双电子技术有限公司
认证范围: 质量管理体系
认证标准: ISO 9001:2015
认证机构: 美国UL认证

商标注册证
施莱格
注册人: 施莱格 (SHLEGG) 有限公司
注册类别: 第1类, 第2类, 第3类, 第4类, 第5类, 第6类, 第7类, 第8类, 第9类, 第10类, 第11类, 第12类, 第13类, 第14类, 第15类, 第16类, 第17类, 第18类, 第19类, 第20类, 第21类, 第22类, 第23类, 第24类, 第25类, 第26类, 第27类, 第28类, 第29类, 第30类, 第31类, 第32类, 第33类, 第34类, 第35类, 第36类, 第37类, 第38类, 第39类, 第40类, 第41类, 第42类, 第43类, 第44类, 第45类, 第46类, 第47类, 第48类, 第49类, 第50类

CERTIFICATE OF CONFORMITY
TUV AUSTRIA
Product: Safety Light Curtain
Type: Safety Light Curtain
Safety Function: Safety Light Curtain
Certification: Safety Light Curtain
Date of Issue: 2023-11-15

外观设计专利证书
专利号: 202310112110.1
专利权人: 深圳市通双电子技术有限公司
设计人: 李国辉, 李国辉, 李国辉
设计日期: 2023年01月12日
公告日期: 2023年03月01日

产品认证证书
中国质量认证中心
认证范围: 安全光幕
认证标准: GB 19686-2005
认证机构: 中国质量认证中心

高新技术企业证书
证书编号: GR2023440202447
有效期: 三年
认定日期: 2023年12月14日
认定机构: 广东省科技厅

Safenel Certification Services Ltd.
EU Type Examination Certificate
Shenzhen Tongshuang Mechatronics Co., Ltd.
This is to certify that
Shenzhen Tongshuang Mechatronics Co., Ltd.
has been granted a type approval for the following product:
Safety Light Curtain
Type: Safety Light Curtain
Safety Function: Safety Light Curtain
Certification: Safety Light Curtain
Date of Issue: 2023-11-15

商标注册证
SLC
注册人: 深圳市通双电子技术有限公司
注册类别: 第1类, 第2类, 第3类, 第4类, 第5类, 第6类, 第7类, 第8类, 第9类, 第10类, 第11类, 第12类, 第13类, 第14类, 第15类, 第16类, 第17类, 第18类, 第19类, 第20类, 第21类, 第22类, 第23类, 第24类, 第25类, 第26类, 第27类, 第28类, 第29类, 第30类, 第31类, 第32类, 第33类, 第34类, 第35类, 第36类, 第37类, 第38类, 第39类, 第40类, 第41类, 第42类, 第43类, 第44类, 第45类, 第46类, 第47类, 第48类, 第49类, 第50类

实用新型专利证书
专利号: 202320112110.1
专利权人: 深圳市通双电子技术有限公司
设计人: 李国辉, 李国辉, 李国辉
设计日期: 2023年01月12日
公告日期: 2023年03月01日

CE Attestation of Conformity
Notified Body: TÜV SÜD
Product: Safety Light Curtain
Manufacturer: Shenzhen Tongshuang Mechatronics Co., Ltd.
This is to certify that
Shenzhen Tongshuang Mechatronics Co., Ltd.
has been granted a CE mark for the following product:
Safety Light Curtain
Type: Safety Light Curtain
Safety Function: Safety Light Curtain
Certification: Safety Light Curtain
Date of Issue: 2023-11-15

国家强制性产品认证
试验报告
CMA, CNAS
产品名称: 安全光幕
试验标准: GB 19686-2005
试验日期: 2023年11月15日
试验地点: 深圳市通双电子技术有限公司

实用新型专利证书
专利号: 202320112110.1
专利权人: 深圳市通双电子技术有限公司
设计人: 李国辉, 李国辉, 李国辉
设计日期: 2023年01月12日
公告日期: 2023年03月01日

CHINA QUALITY CERTIFICATION CENTRE
CERTIFICATE OF CONFORMITY
Safety Item: Safety Light Curtain
Product: Safety Light Curtain
Type: Safety Light Curtain
Safety Function: Safety Light Curtain
Certification: Safety Light Curtain
Date of Issue: 2023-11-15



TES2 E-stop switch



Features:

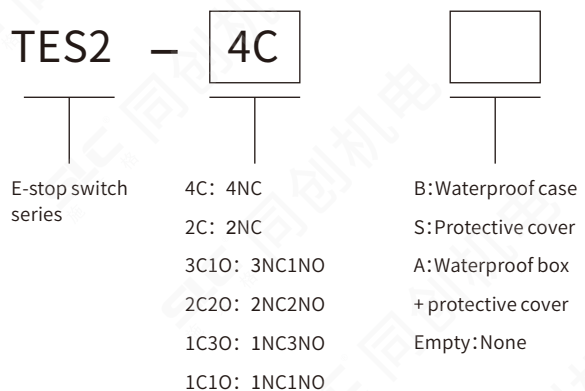
The E-stop switch is a switchgear used to cut off the power supply in an emergency, its main function is quickly cut off the power supply of electrical device to protect the safety of person and equipment when an accident or emergency.

The E-stop switch is easy to operate, just need press the button which the machine will be stopped quickly. Rotate left or right about 45° if want to restart, release the button to pop up and reset.




Technical parameters




Safety level		
Standard	EN 60947-5-1, EN 60947-5-5, EN/ISO 13850	
Authentication	CCC,CE	
Mechanical life	300,000 times	
Electrical life	A million times	
Electrical characteristics		
Rated insulation voltage	600V	
Rated impulse withstand voltage	4kV	
Rated open heating current (I _{th})	10A	
Contact contact resistance	Below 50mΩ	
Type		
Load category	AC-15	DC-13
Rated operating voltage (U _e)	240V	250V
Rated operating current (I _e)	1.6A	0.4A
Environment		
Protection	IP54 (Up to IP67 with waterproof case)	
Operating temperature	-20~+80°C	
Environment	Below 95%	



TES2 model description



TES2 E-STOP Switch Selection Guide

Product images	Model	Order number
	TES2-4C	LOT11301101001
	TES2-3C1O	LOT11301101002
	TES2-2C2O	LOT11301101003
	TES2-1C3O	LOT11301101004
	TES2-2C	LOT11301101005
	TES2-1C1O	LOT11301101006
	TES2-4CB	LOT11301102001
	TES2-3C1OB	LOT11301102002
	TES2-2C2OB	LOT11301102003
	TES2-1C3OB	LOT11301102004
	TES2-2CB	LOT11301102005
	TES2-1C1OB	LOT11301102006

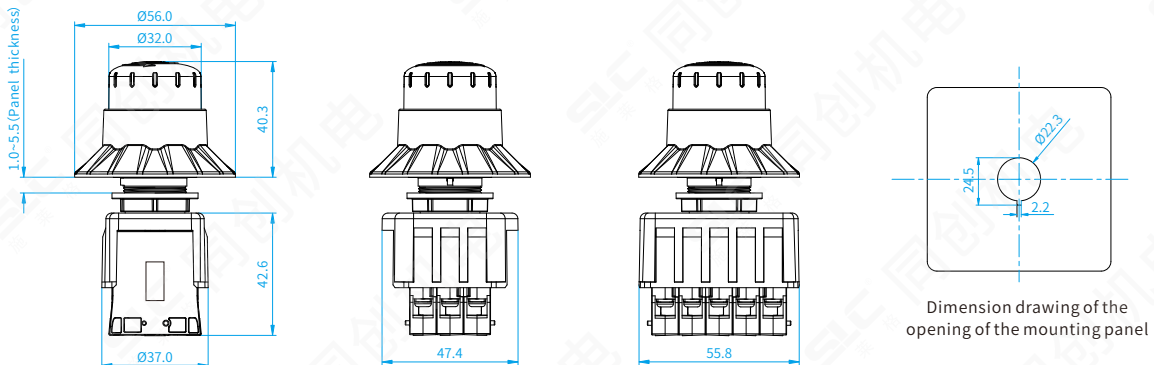
Product images	Model	Order number
	TES2-4CS	LOT11301103001
	TES2-3C1OS	LOT11301103002
	TES2-2C2OS	LOT11301103003
	TES2-1C3OS	LOT11301103004
	TES2-2CS	LOT11301103005
	TES2-1C1OS	LOT11301103006
	TES2-4CA	LOT11301104001
	TES2-3C1OA	LOT11301104002
	TES2-2C2OA	LOT11301104003
	TES2-1C3OA	LOT11301104004
	TES2-2CA	LOT11301104005
	TES2-1C1OA	LOT11301104006

Accessories Pictures	Accessory name	Model	Order number
	TES2 E-STOP switch Waterproof case	TES2-B1	LOT11301105001
	TES2 E-STOP switch Protective cover	TES2-S1	LOT11301105002
	M16X1.5Nepal waterproof connector	WJ-16015	LOTWJ16015

※Normally open or normally closed is defined as the on-off state when the emergency stop button is not pressed.
 ※Contact module color description: monitoring contact module - gray, normally open contact module - green, normally closed contact module - red.
 ※Accessories need to be purchased separately.

TES2 installation dimension drawing

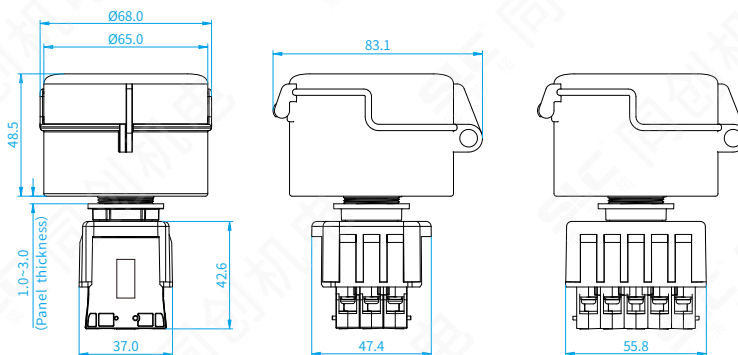
TES2-□size drawing:



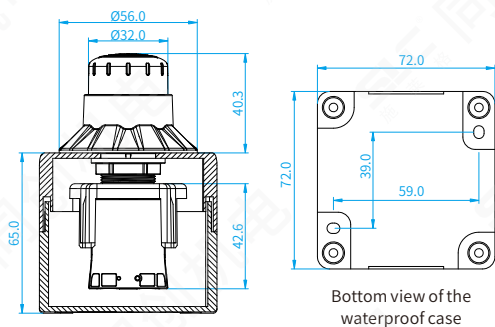
※Affected by product configuration and manufacturing process, the actual product size and weight may be different, please refer to the actual product.

TES2 E-STOP SWITCH

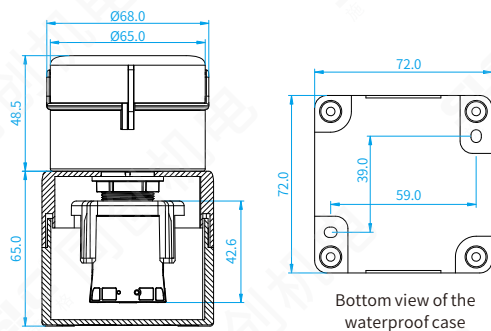
◆ TES2-□B size drawing:



◆ TES2-□A size drawing:



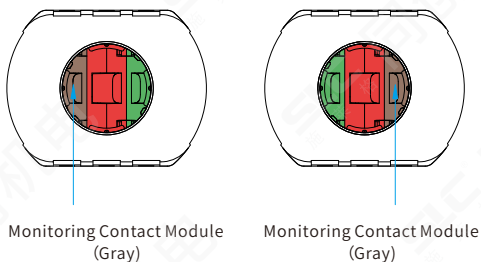
◆ TES2-□S size drawing:



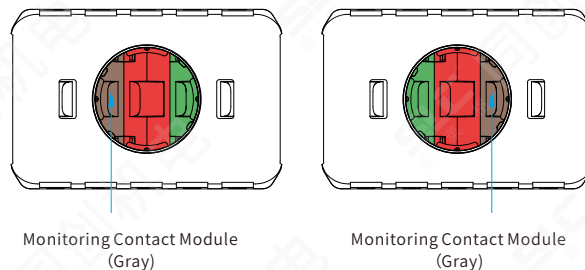
※Affected by product configuration and manufacturing process, the actual product size and weight may be different, please refer to the actual product.

TES2 contact module installation diagram

◆ Three-contact module

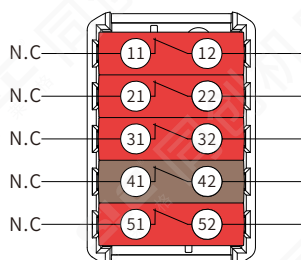


◆ Five-contact module

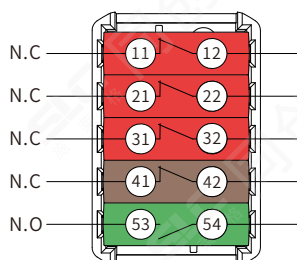


Schematic diagram of contact on/off

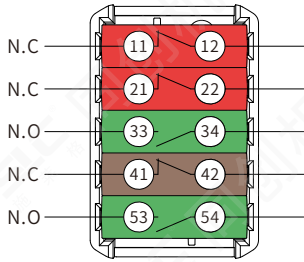
4C



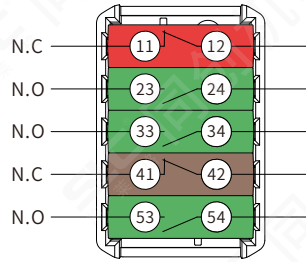
3C1O



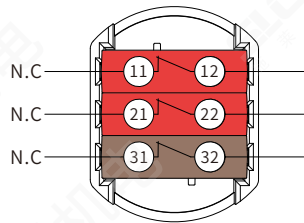
2C20



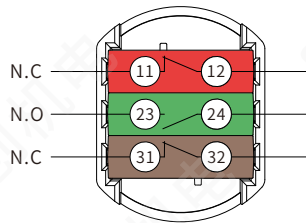
1C30



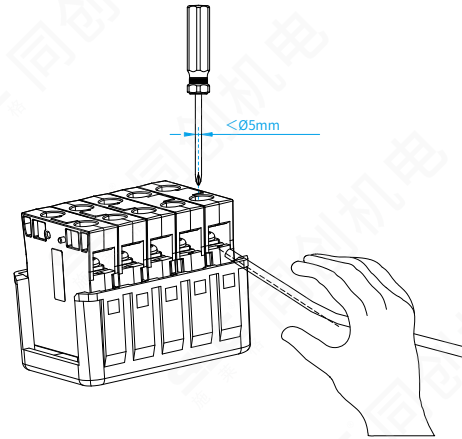
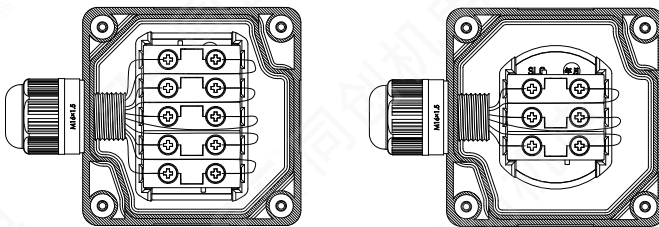
2C



1C10

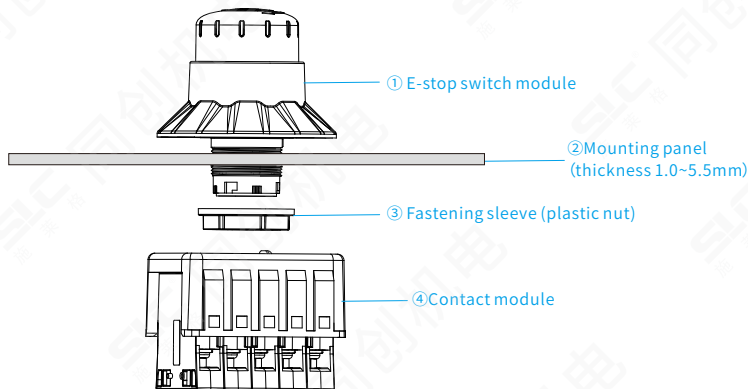


TES2 Wiring Instructions



Installation Steps

TES2-□ product Installation Instructions



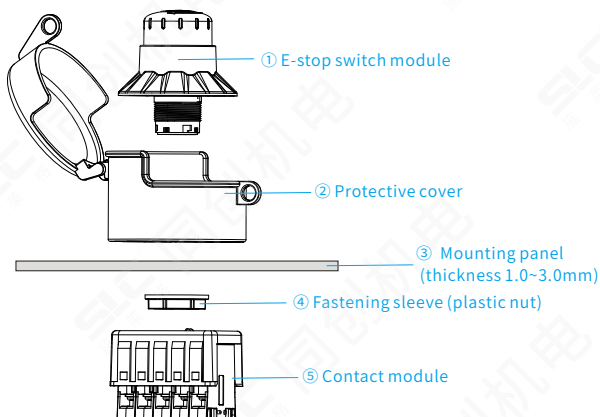
1. Tighten the emergency stop button module through the opening of the mounting panel with a fastening sleeve;

2. Install the contact module into the emergency stop button module, rotate clockwise and tighten the clamp fixation;

3. Use a screwdriver to install the wire that needs to be connected to the contact module and tighten it.

TES2 E-STOP SWITCH

◆ TES2-□B product Installation Instructions

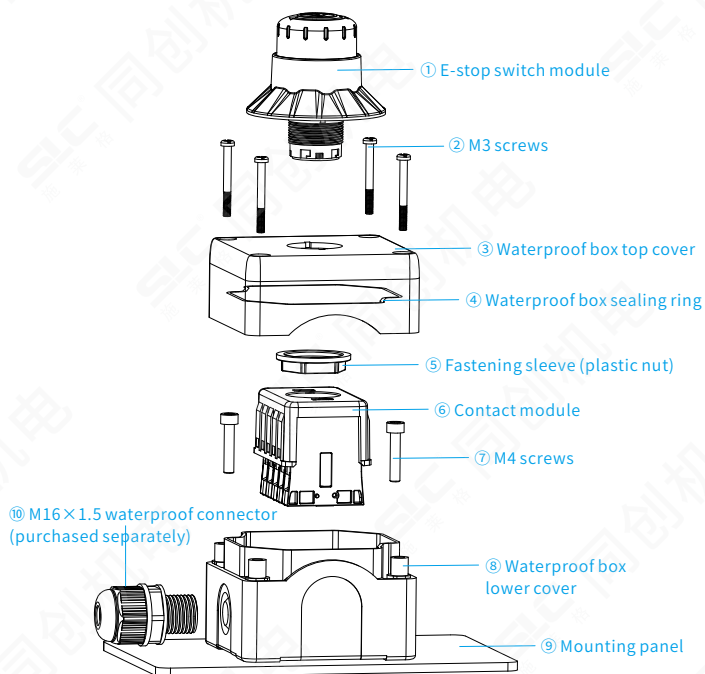


1. Tighten and fix the emergency stop button module through the opening of the protective cover and the installation panel with a fastening sleeve;

2. Install the contact module into the emergency stop button module, rotate clockwise, tighten and clamp for fixation;

3. Use a screwdriver to install the wire that needs to be connected to the contact module and tighten it.

◆ TES2-□A product Installation Instructions



1. Use a screwdriver to poke open the virtual hole on the side of the lower cover of the protective box, and put the M16X1.5 waterproof connector into it and tighten it;

2. Use a screwdriver to tighten and fix the wires on the waterproof joint that need to be connected to the contact module one by one;

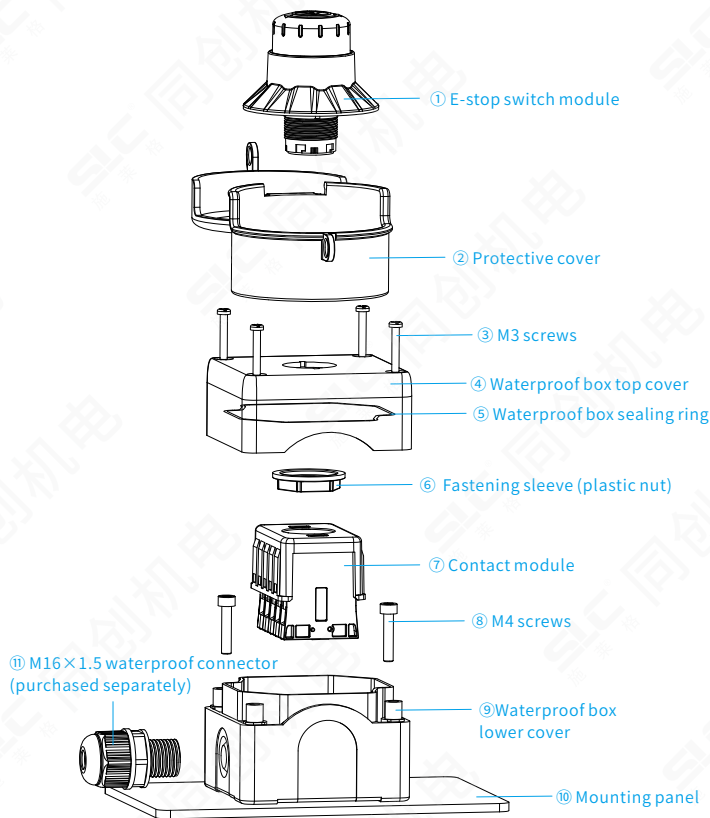
3. Use two M4 screws to fix the lower cover of the protective box on the mounting panel;

4. Pass the emergency stop button module through the mounting hole on the upper cover of the protective box and tighten it with a fastening sleeve;

5. Install the contact module into the emergency stop button module, rotate clockwise, tighten and clamp for fixation;

6. Install the sealing ring on the upper cover of the protective box and the lower cover of the protective box, and tighten it with 4 M3 screws.

◆ TES2-□S product Installation Instructions



1. Use a screwdriver to poke open the virtual hole on the side of the lower cover of the protective box, and put the M16X1.5 waterproof connector into it and tighten it;

2. Use a screwdriver to tighten and fix the wires on the waterproof joint that need to be connected to the contact module one by one;

3. Use two M4 screws to fix the lower cover of the protective box on the mounting panel;

4. Pass the emergency stop button module through the mounting holes of the protective cover and the upper cover of the protective box successively, and tighten and fix it with a fastening sleeve;

5. Install the contact module into the emergency stop button module, rotate clockwise, tighten and clamp for fixation;

6. Install the sealing ring on the upper cover of the protective box and the lower cover of the protective box, and tighten it with 4 M3 screws.

> Operational precautions

● Installation

The emergency stop switch should be installed in a position that is easy to find and press, so that the staff can directly press the button to achieve emergency stop in an emergency.

● Other

In the process of installation, it is necessary to pay attention to the surrounding environment to prevent the equipment from being affected by external factors, resulting in wrong operation and accidents.

Reasonable use of emergency stop switch, It should be used as an auxiliary part to protect the equipment safety, can not replace the normal action program in daily work, and can not be used as a conventional adjustment equipment as well.

The emergency stop switch is a commonly safety device, which is often worn out and affected by external forces such as vibration during work, so it needs to be checked and maintained regularly. During the inspection, it is necessary to check whether the switch button is smoothly and there are any abnormalities in the external parts. Maintenance range includes cleaning, lubrication and replacement of damaged parts.



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Fax: 0755-86193854 / 33609570
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E-mail: sales@sztcjd.com/szslcgd@163.com

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Zhongkai High-tech Zone, Huizhou City
Tel: 0752-332 6651 / 3326671
E-mail: sales@sztcjd.com / szslcgd@163.com

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& electromechanical city, chengnan district, kunshan city
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Fax: 0512-82175280 / 36857570-808
E-mail: sales@sztcjd.com / szslcgd@163.com

Chongqing office

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district, chongqing
Tel: 023-6739 4030 / 6739 4033
Fax: 023-6730 3505
E-mail: szslcgd@163.com / sales@sztcjd.com



Official website



WeChat Official Account