

Single/Dual Control Metal button switch

Model: WD-22B series

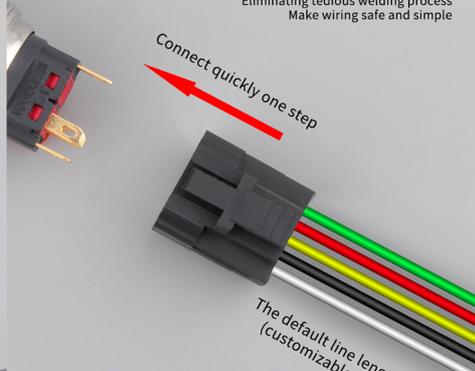


Gold-plated pin Multiple light colors



Can be paired with Dedicated connectors Make wiring easier

Eliminating tedious welding process
Make wiring safe and simple



The default line length is 15cm
(customizable line length)



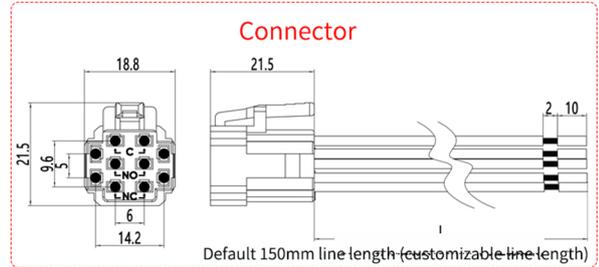
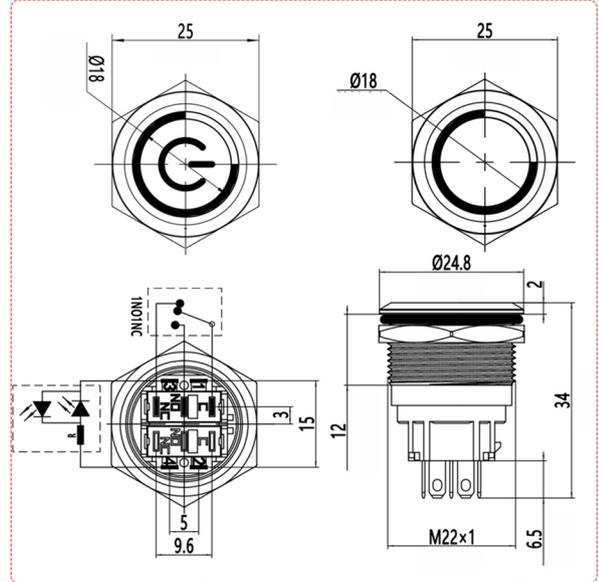
Internal display

Tail display

Wire: 20AWG brass tin plated

Product parameters and dimensions

Switching Voltage	1.5V~250V/AC/DC
Working form	Self resetting/self locking
Switch combination	1NO1NC/2NO2NC
Mechanical life	Self locking 25W times, self resetting 50W times
Compressive strength	1900VACmin
Switching Current	5A
Work environment	-30°C~+80°C
Waterproof grade	IP67
Contact resistance	≤50MΩ
Opening diameter	22MM



Connector

Default 150mm line length (customizable line length)



WATERPROOF AND DUSTPROOF



HIGH QUALITY SERVICE



QUALITY ASSURANCE

Efficient waterproof up to IP67

After rigorous testing, the waterproof performance is strong



Gilded foot

Better conductivity and longer lifespan



PA66 flame-retardant base
Thermal insulation and high temperature resistance



Corresponding foot letters/numbers
More recognizable

Increase and thicken Silver contacts

Not easily oxidized, resistant to high temperature and corrosion



Multiple luminous symbol selection

We have all the specifications you want



Glow in a circular circle

Ring power beacon light

Authoritative Certification Quality Assurance



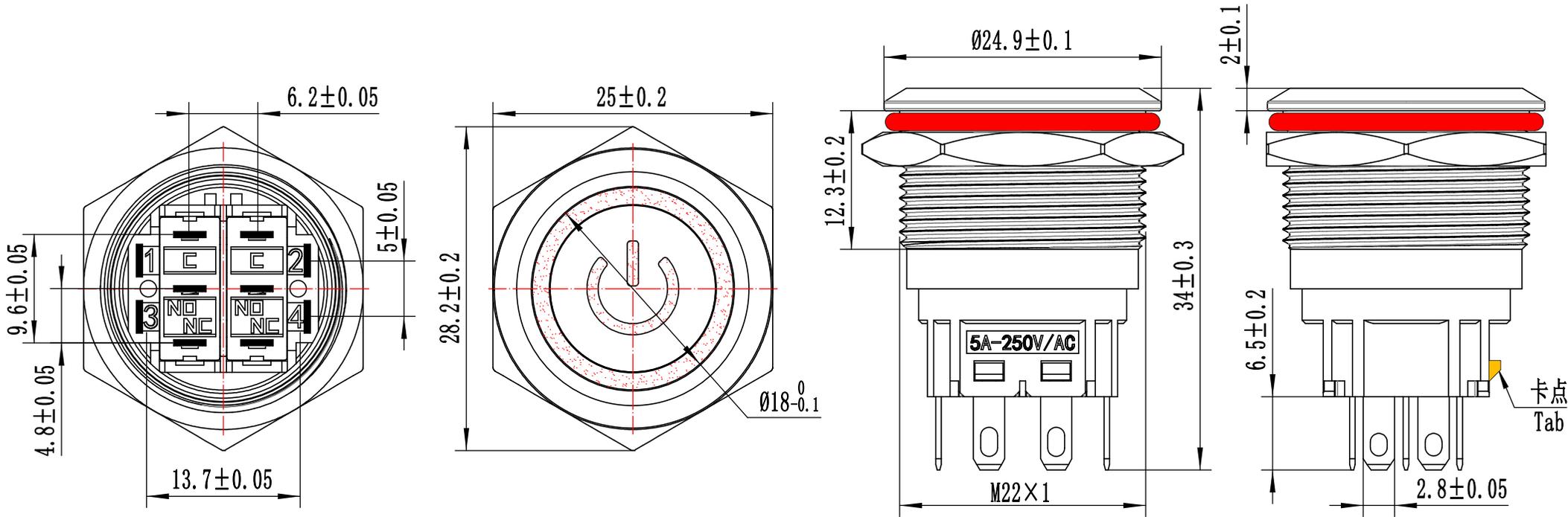
SGS

CE





未经万度电气书面允许，严禁打印和复印

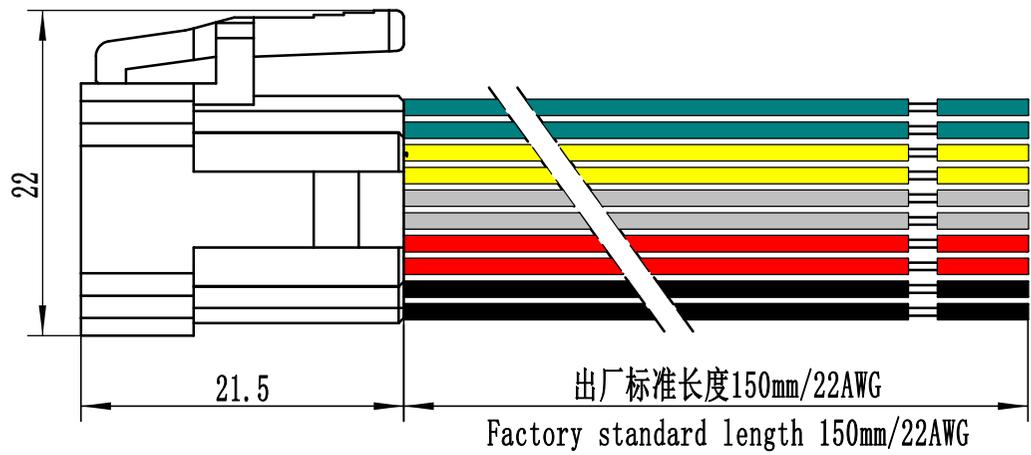
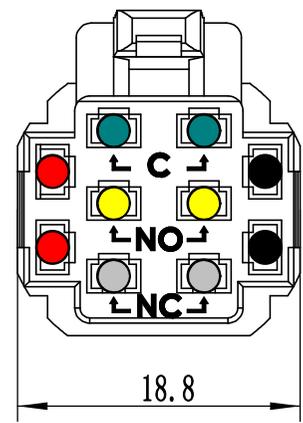


Mounting hole diameter 安装孔直径	22~22.2mm	Switch combinations 开关组合	1NO1NC/2NO2NC (一常开一常闭/二常开二常闭)	Housing material 外壳材质	SUS304/Brass nickel-plated/aluminum alloy anodized SUS304/黄铜镀镍/铝合金阳极氧化	Explanation of switch working status 开关工作状态说明	
Switching voltage 开关电压	1.5V~250VAC/DC	Lamp bead voltage 灯珠电压	AC/DC: 3.3V、6V、9V、12V、24V、36V、48V、110V、220V	Key Material 按键材质	PC&SUS316 聚碳&不锈钢SUS316		Button - Press down 按键-按下
Current rating: 额定电流:	Resistive loads 阻性负载	DC-13:12V/24V 5A AC-15:110V/250V 5A	Lamp bead current 灯珠电流	2mA~20mA	Contact material 触点材质	Silver tin oxide alloy contacts 银氧化锡合金触点	Button - Eject 按键-弹出
	Inductive loads 感性负载	AC-15:110V/250V 1.25A DC-13:110V 1.25A	PIN pin style PIN脚样式	Switch pin 2.8 x 0.5&LED pin 2.8 x 0.5 开关插针2.8×0.5&LED插针2.8×0.5	Electrical life 电气寿命	DC-13:12V/24V 0.5A >500,000 times AC-15:110V/250V 0.5A >50万	C-NO POWER ON/C-NC Power OFF C-NO接通/C-NC断开
Rated heating current 额定发热电流	ith: 5A/250VAC	Base material 基座材质	Modified nylon PA66 改性尼龙PA66	Contact resistance 接触阻值	Contact resistance ≤50mΩ		
Waterproof rating 防水等级	IP67 at the end of the button 按键端IP67	Dielectric strength 绝缘强度	≥100MΩ 500VDC /h	Press down on pressure 按键下压力	Approximately 2.5~4N 约2.5~4N		
Ambient temperature 环境温度	-30℃~85℃	Compressive strength 耐压强度	Pins and housings 2500VAC 20mA/min 引脚与外壳 2500VAC 20mA/min	Button travel 按键行程	The key stroke is 3mm and the contact stroke is 1.5mm 按键行程3mm 接触行程1.5mm		
Form of work 工作形式	Self-locking/self-resetting (optional) 自锁式/自复式(可选)	Glowing color 发光颜色	Red, green, yellow, blue, white (Two-color, three-color, multi-color can be customized) 红、绿、黄、蓝、白(双色、三色、多色可定制)				

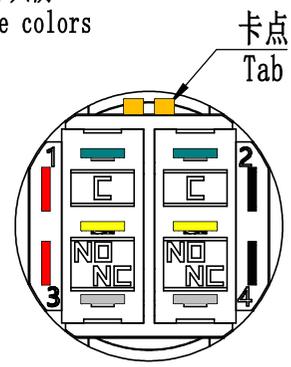
3D View: 三维视图:	Schematic Diagram: 电气原理:	Cut-out size: 开孔尺寸:	PART NAME: 零件名称:	MATERIAL: 材料:	DRAWN: 绘图:	WEIGHT(g): 重量:
		Ø22.1 ± 0.1	WD22B Series Pushbutton Switch Datasheet WD22B系列按钮开关规格书	/	彭翔翔 日期 2024.03.13	10
			PART No.: 零件编号:	SCALE: 比例:	CHECK: 审核:	UNIT: 单位:
			WD22B-P22-EC-GGS01	2:1	彭翔翔 日期 2024.03.13	mm
				SHEET: 页数:	APPROVAL: 批准:	SIZE: 图幅:
				5 OF 1 第 1 页 共 5 页	彭翔翔 日期 2024.03.13	A4
			PART No.: 料号:	VERISON: 版本:	PROJECTION: 投影:	
			/	V0.0		



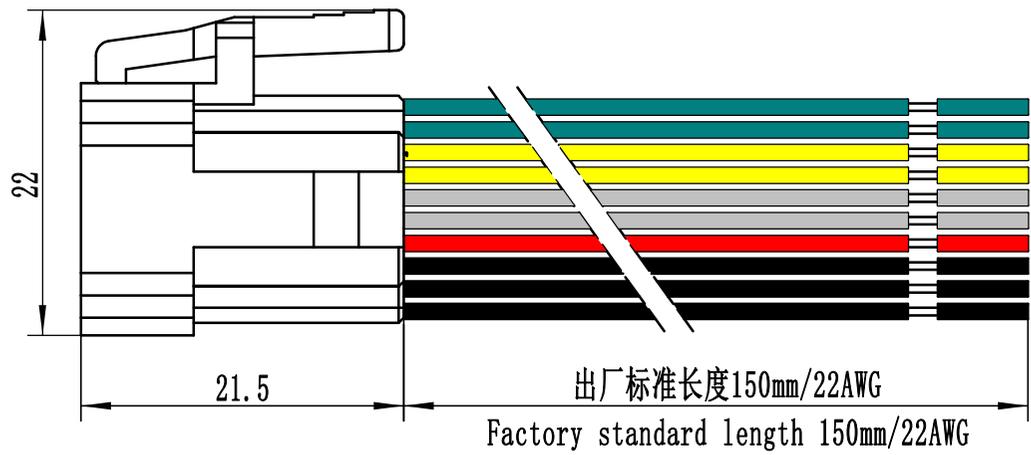
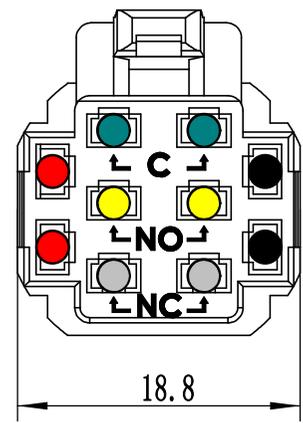
未经万度电气书面允许，严禁打印和复印



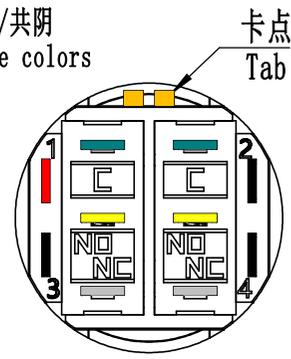
COM-/共阴
Three colors



双色无极性 Two colors



COM-/共阴
Three colors



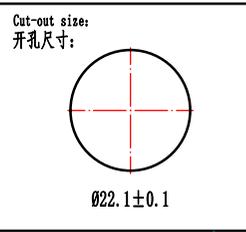
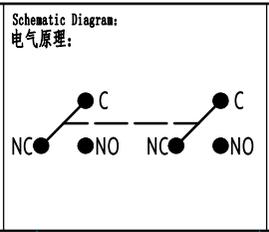
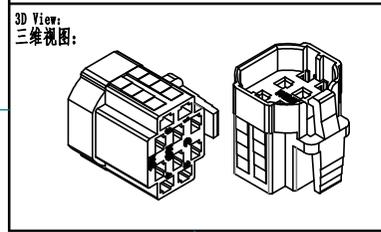
COM+/共阳 Three colors

多种发光颜色可选（双色、三色、多色可定制）
Multiple luminous colors available
(Two-color, three-color, multi-color can be customized)



客户可根据实际需求在线束末端定制连接端子
Customers can customize connection terminals at the end of the wire harness according to their actual needs.

客户可根据实际需求定制线材颜色
Customers can customize wire colors according to their actual needs.



PART NAME: 零件名称:	WD22B Series Pushbutton Switch Datasheet WD22B系列按钮开关规格书
PART No.:	WD22B-P22-EC-GGS01
浙江万度电气有限公司 Switch on worry-free Zhejiang Wandu Electric Co., Ltd	

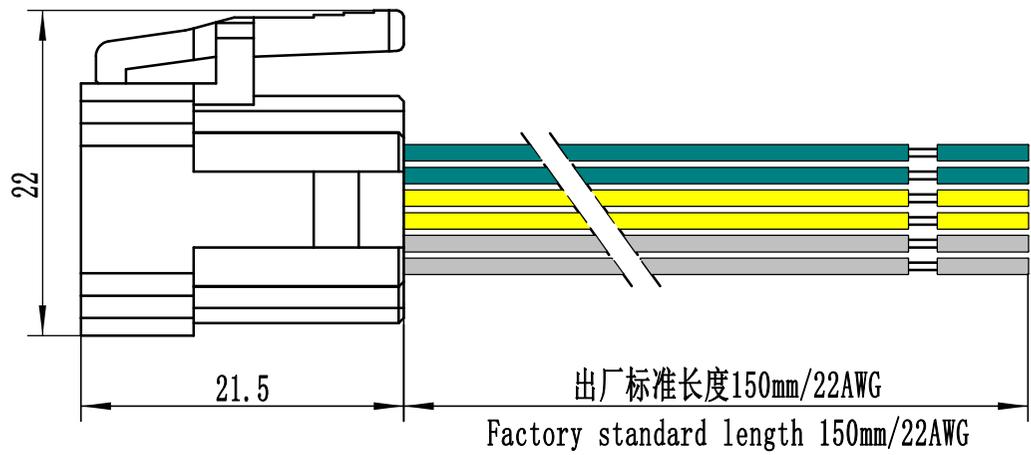
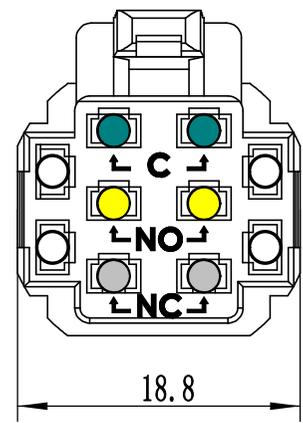
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SCALE: 比例:	2:1
SHEET: 页数:	2 OF 5 第 2 页 共 5 页
PART No.:	/

DRAWN: 绘图:	彭翔翔 日期 2024.02.29
CHECK: 审核:	彭翔翔 日期 2024.02.29
APPROVAL: 批准:	彭翔翔 日期 2024.02.29
VERISON: 版本:	V0.0

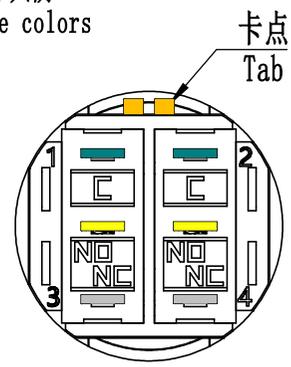
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UNIT: 单位:	mm
SIZE: 图幅:	A4
PROJECTION: 投影:	



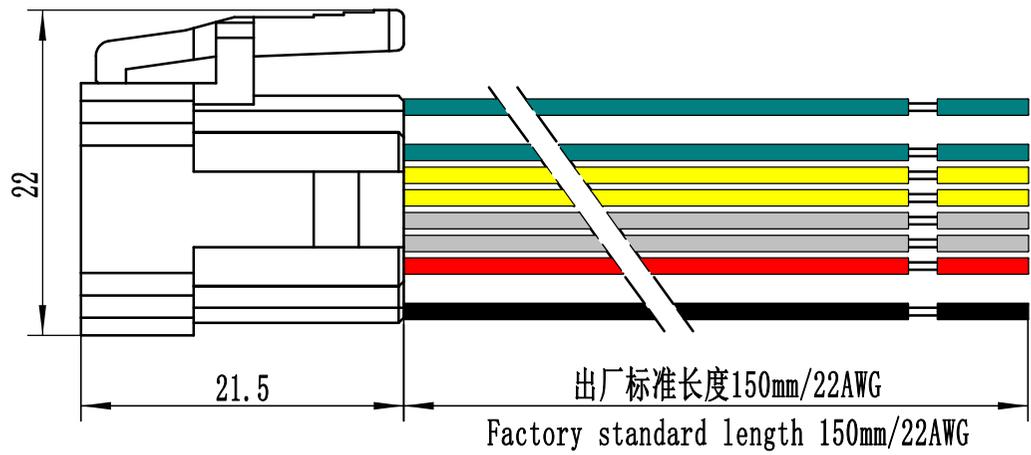
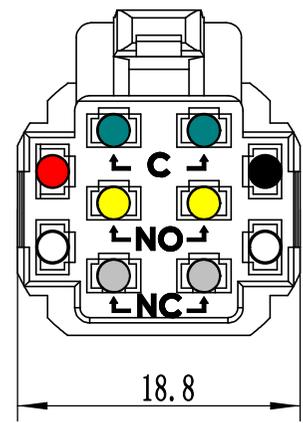
未经万度电气书面允许，严禁打印和复印



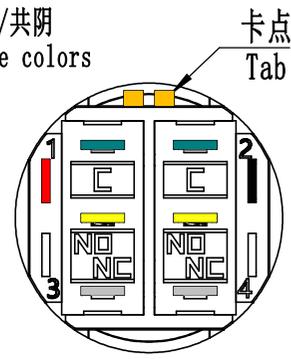
COM-/共阴
Three colors



单色无极性 One color



COM-/共阴
Three colors



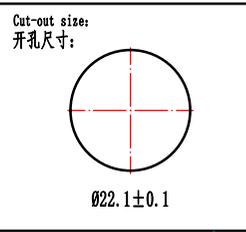
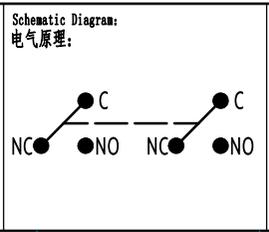
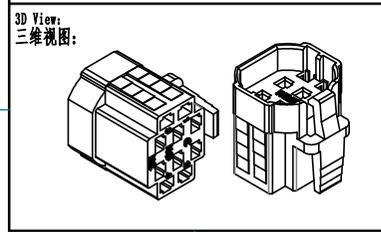
单色无极性 One color

多种发光颜色可选（双色、三色、多色可定制）
Multiple luminous colors available
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零件名称:	WD22B系列按钮开关规格书
PART No.:	WD22B-P22-EC-GGS01
零件编号:	
浙江万度电气有限公司 Switch on worry-free Zhejiang Wandu Electric Co., Ltd	

MATERIAL:	/
材料:	/
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比例:	
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页数:	第 3 页 共 5 页
PART No.:	/
料号:	

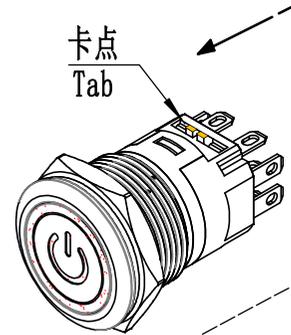
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批准:	
VERISON:	V0.0
版本:	

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重量:	
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单位:	
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PROJECTION:	
投影:	

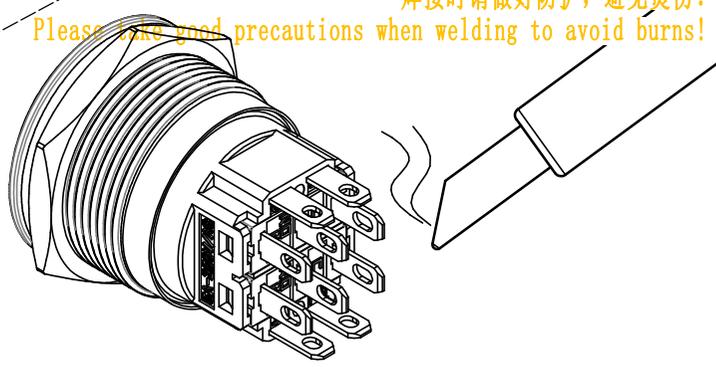


未经万度电气书面允许，严禁打印和复印

When connecting, pay attention to the alignment of the card point
连接时注意对准卡点对位置

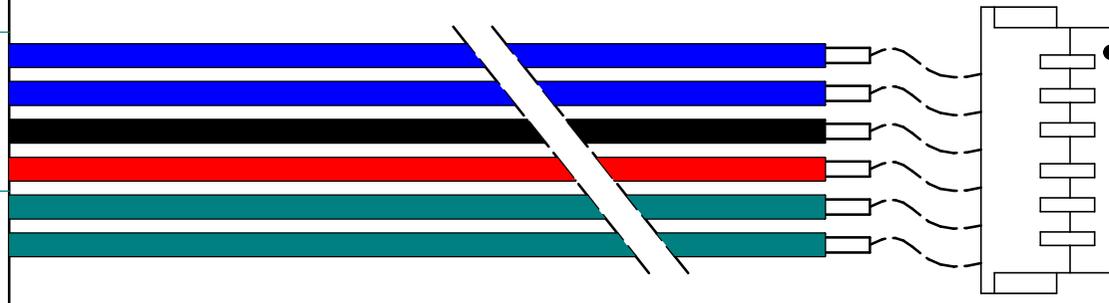


Please take good precautions when welding to avoid burns!
焊接时请做好防护，避免烫伤!



焊接需注意，烙铁温度不得超过280℃
焊接时间不能超过3秒，以免损坏开关本体。

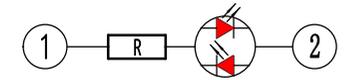
Soldering should be noted that the temperature of the soldering iron should not exceed 280° C, and the soldering time should not exceed 3 seconds, so as not to damage the switch body.



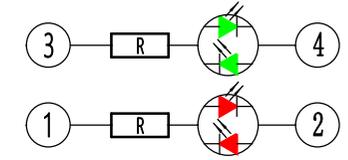
线束末端可定制接插端子
Plug-in terminals can be customized at the end of the harness

Description of the electrical schematic
电气原理图解析

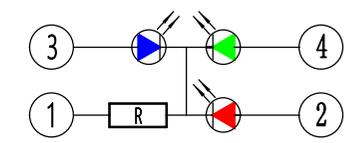
单色无极性 One color



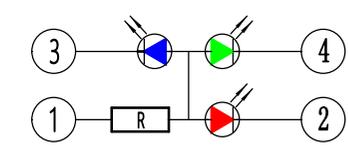
双色无极性 Two colors



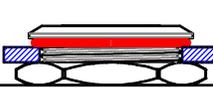
COM-/共阴 Three colors



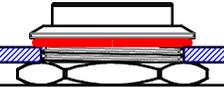
COM+/共阳 Three colors



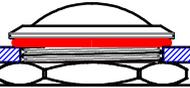
平头按键-代号: P
Flat head button - Code: P



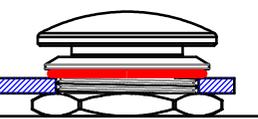
高头按键-代号: G
High-head button - Code: G



球头按键-代号: Q
Ball button - Code: Q



蘑菇头按键-代号: M
Mushroom head button - code: M



环形&电源标-代号: EC
Ring & Power Label - Codename: EC



环形-代号: E
Ring - Codename: E



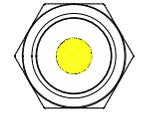
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Power Label - Codename: C



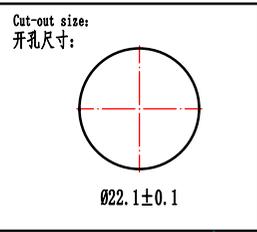
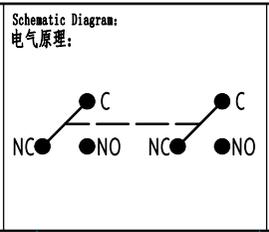
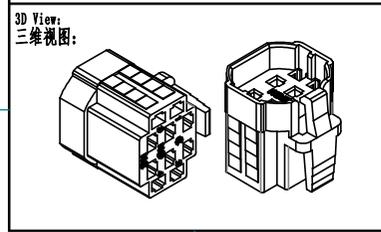
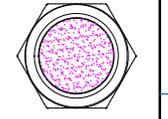
定制字符-代号: T
Custom character - Codename: T



圆点发光-代号: D
Dots glow - codename - D



整圆发光-代号: O
Overall luminescence: O



PART NAME: WD22B Series Pushbutton Switch Datasheet
零件名称: WD22B系列按钮开关规格书

PART No.: WD22B-P22-EC-GGS01
零件编号:

WDLEE
Switch on worry-free

浙江万度电气有限公司
Zhejiang Wandu Electric Co., Ltd

MATERIAL: /
材料: /

SCALE: 2:1
比例:

SHEET: 4 OF 5
页数: 第 4 页 共 5 页

PART No.: /
料号:

DRAWN: 彭翔翔 日期 2024.02.29
绘图:

CHECK: 彭翔翔 日期 2024.02.29
审核:

APPROVAL: 彭翔翔 日期 2024.02.29
批准:

VERISON: V0.0
版本:

WEIGHT(g): 10
重量:

UNIT: mm
单位:

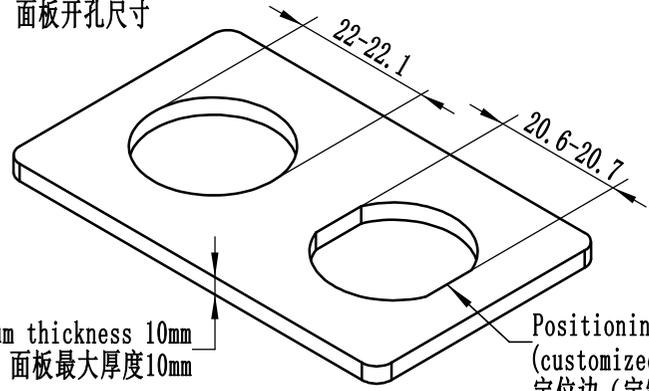
SIZE: A4
图幅:

PROJECTION: 投影:

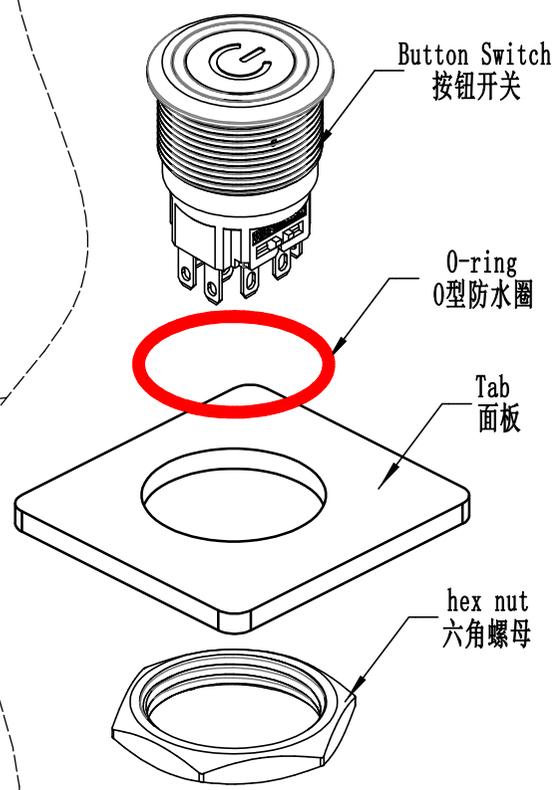


未经万度电气书面允许，严禁打印和复印

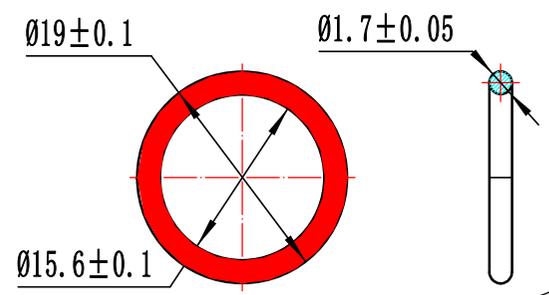
Panel opening size
面板开孔尺寸



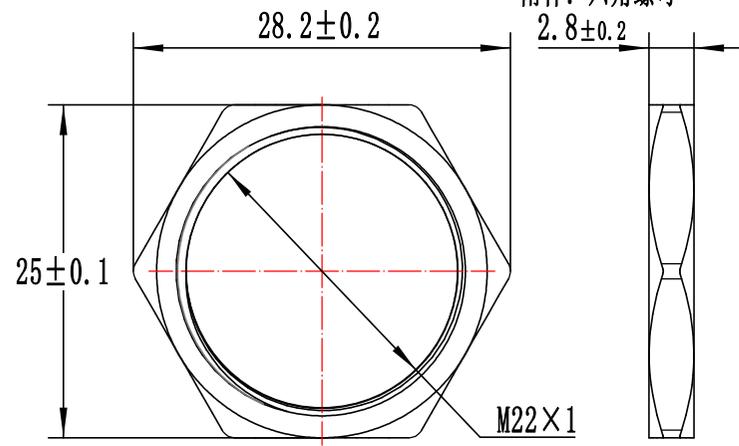
Installation method diagram
安装方法示意图



Attachment: O-shaped silicone waterproof ring
附件: O型硅胶防水圈



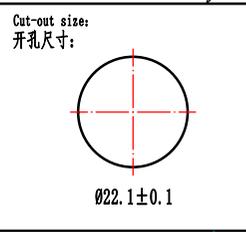
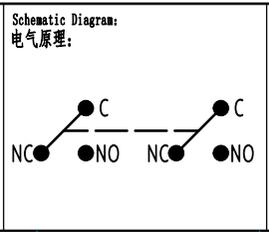
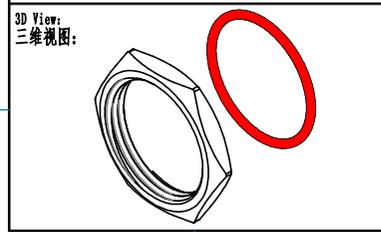
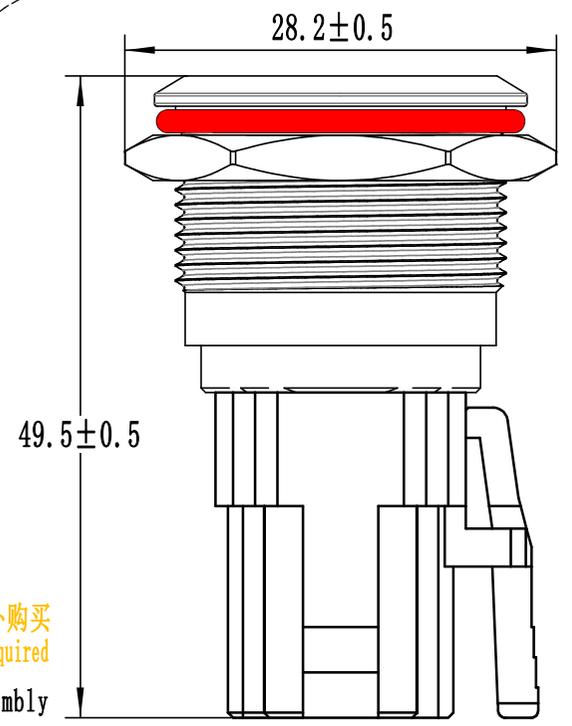
Attachment: Hexagonal Nut
附件: 六角螺母



The proportion in the diagram is not equal to the actual object
图示比例不等于实物

插座配件需额外购买
Additional purchase of socket accessories is required

External dimensions of switch and socket assembly
开关与插座组装外形尺寸



PART NAME: 零件名称:	WD22B Series Pushbutton Switch Datasheet WD22B系列按钮开关规格书
PART No. : 零件编号:	WD22B-P22-EC-GGS01
浙江万度电气有限公司 Zhejiang Wandu Electric Co., Ltd	

MATERIAL: 材料:	/
SCALE: 比例:	2:1
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DRAWN: 绘图:	彭翔翔 日期 2024.02.29
CHECK: 审核:	彭翔翔 日期 2024.02.29
APPROVAL: 批准:	彭翔翔 日期 2024.02.29
VERISON: 版本:	V0.0

WEIGHT(g): 重量:	10
UNIT: 单位:	mm
SIZE: 图幅:	A4
PROJECTION: 投影:	