

WD-D1 series
High current metal button

Metal push button

Waterproof switch with wire type



QUALITY ASSURANCE

- Various styles
- Increase contact
- LED Beads
- PRODUCT SDFHJSDHJKJFS
- waterproof
- Long lifespan
- Good service



Multiple voltage and luminous colors available (customizable colors)

3-8V | 9-24V | 25-48V | 49-60V | 110-220V

Integrated design for more Efficient waterproofing

The bottom is sealed with environmentally friendly resin
Waterproof, dustproof, corrosion-resistant and aging resistant



Bottom environmentally friendly resin seal
Waterproof, dustproof, corrosion-resistant, and aging resistant

Thickened and enlarged Silver contacts Can withstand A high current of 20A

Stable conductivity and long service life



Contact thickness 2mm

Efficient waterproof up to IP68



Seiko Intelligent Manufacturing
Exquisite and precise craftsmanship

High quality materials created by heart
Control every detail only for high quality



Teflon high-temperature resistant wire
Flame retardant, high temperature resistant, and long lifespan

304 stainless steel bezel surface
Wear resistant, corrosion resistant

Copper nickel plated housing
Wear resistance and pressure resistance

Waterproof sealing ring/installation nut
Waterproof, dustproof, and not easily discolored

PC lampshade
Luminous, bright, and no glare

Use special high-temperature resistant and flame-retardant wire

The default line length is 15cm
Customer service can be contacted to customize the line length



Multiple head Shapes available

Metal push button

Ring type with light and without light
Ring power supply sign



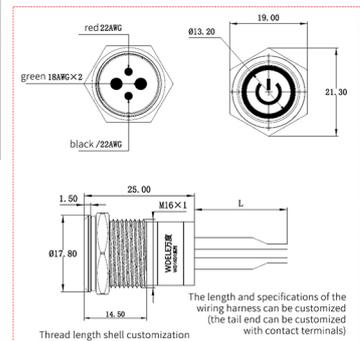
Ring power supply sign

Circular strip lamp

Unlighted version

Product parameters and dimensions

Switching Voltage	1.5V-250V/AC/DC
Working form	Self resetting/self locking
Switch combination	1NO
Mechanical life	Self locking 50W times, self resetting 100W times
Compressive strength	≥2500VDCmin
Switching Current	20A
Work environment	-25°C→85°C
Waterproof grade	IP67
Contact resistance	≤50MΩ
Opening diameter	16MM



Wide range of product uses

The product is suitable for various occasions



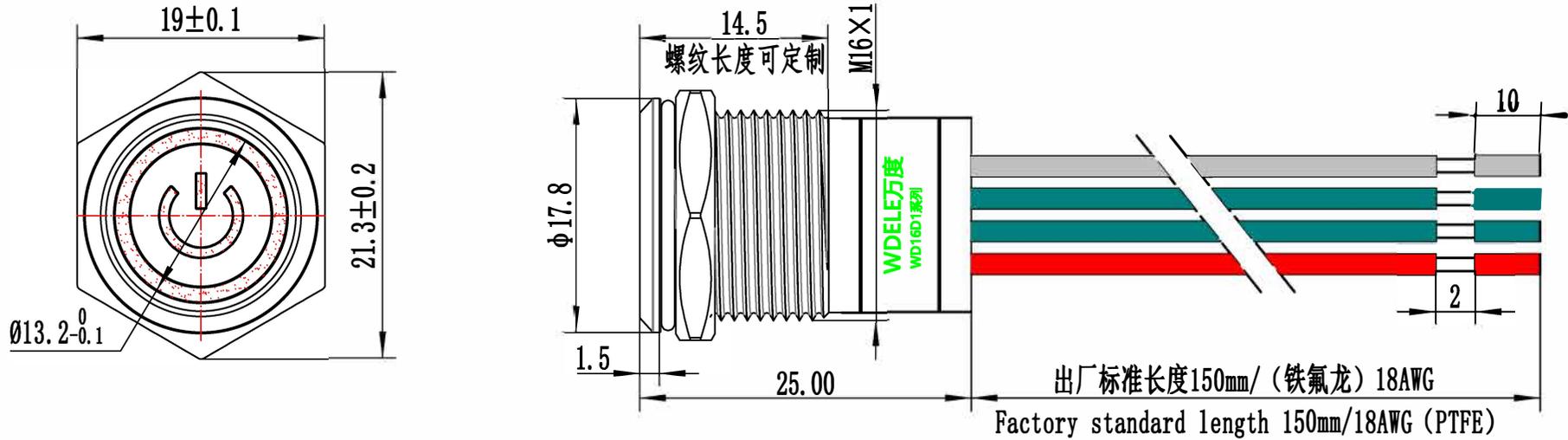
Access Control Industry | Elevator manufacturing | Automobile making



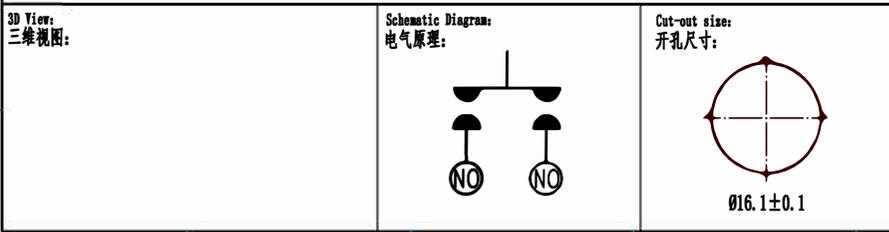
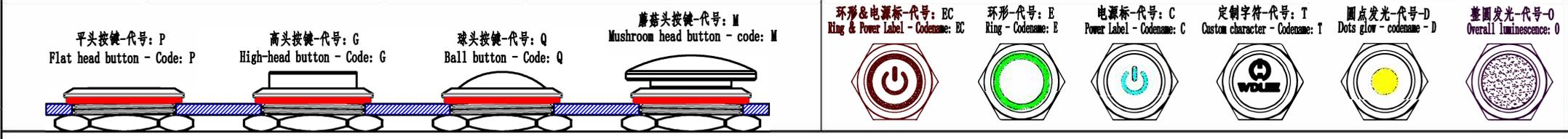
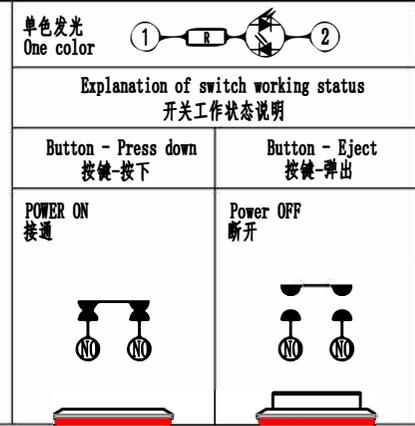
Medical facilities | Shipbuilding | Computer DIY | Electrical equipment

Authoritative Certification
Quality Assurance





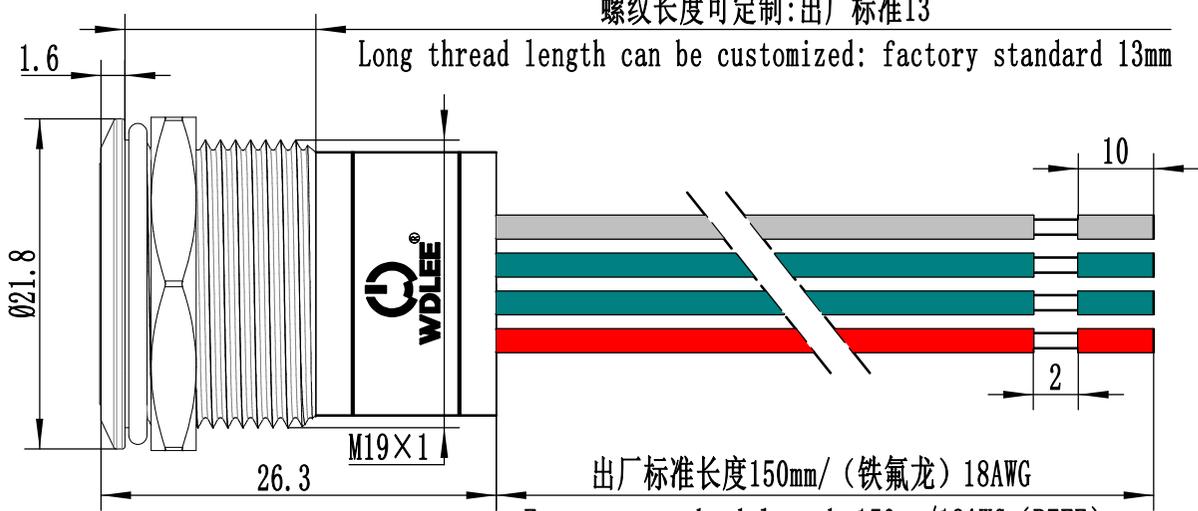
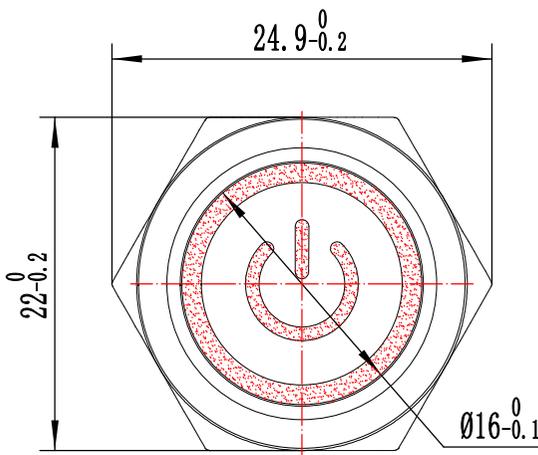
Mounting hole diameter 安装孔直径	16~16.2mm	Switch combinations 开关组合	1NO (一常开)	Housing material 外壳材质	SUS304/Brass nickel-plated/aluminum alloy anodized SUS304/黄铜镀镍/铝合金阳极氧化
Switching voltage 开关电压	1.5V~250VAC/DC	Lamp bead voltage 灯珠电压	AC/DC: 3.3V、6V、9V、12V、24V、36V、48V、110V、220V	Key Material 按键材质	PC&SUS316 聚碳&不锈钢SUS316
		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
		PIN pin style PIN脚样式	Switch pin 4.8 x 0.8&LED pin 2.8 x 0.5 开关插针4.8×0.8&LED插针2.8×0.5	Electrical life 电气寿命	DC-13:12V/24V 15A >30,000 times AC-15:110V/250V 20A >3万次
Rated heating current 额定发热电流	ith: 10A/250VAC	Base material 基座材质	Modified nylon PA66 改性尼龙PA66	Contact resistance 接触阻值	≤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 红、绿、黄、蓝、白		



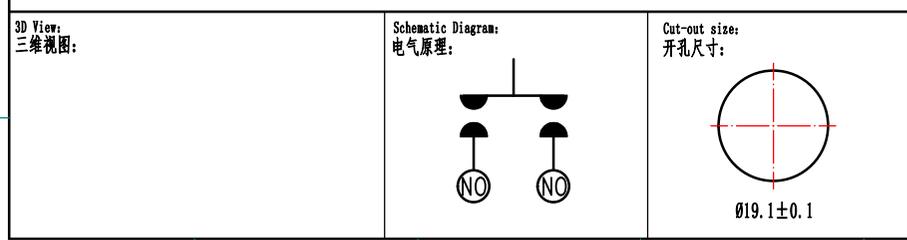
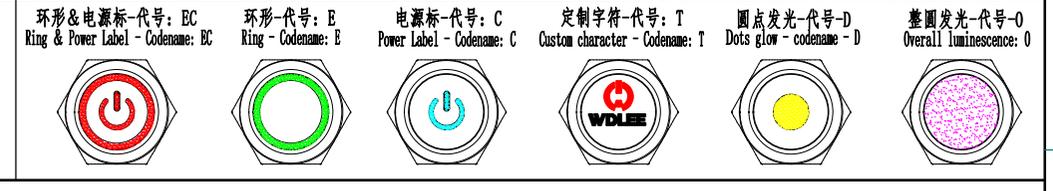
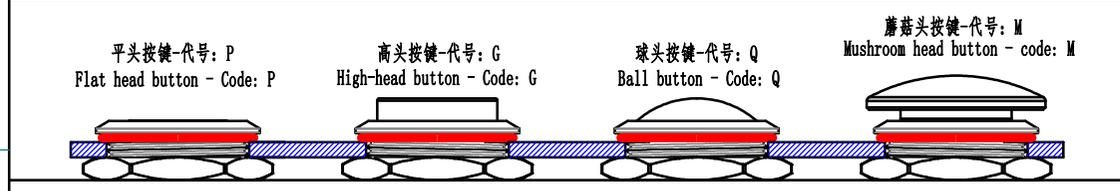
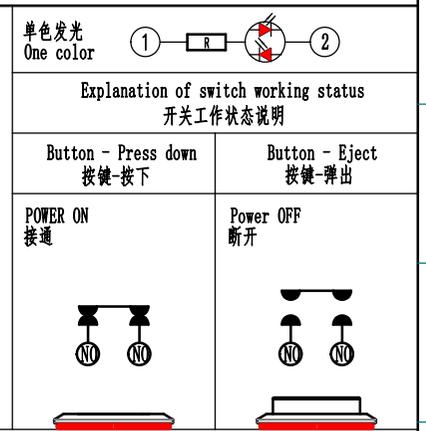
PART NAME: 零件名称:	WD16D1-P1 fully sealed series button switch WD16D1-P1全密封系列按钮开关	MATERIAL: 材料:	/	DRAWN: 绘图:	彭翔翔 日期 2024.03.13	WEIGHT(g): 重量:	10
PART No.:	WD16D1-P1-EC-GGS02	SCALE:	2:1	CHKCK: 审核:	彭翔翔 日期 2024.03.13	UNIT: 单位:	mm
浙江万度电气有限公司 Switch on worry-free Zhejiang Wandu Electric Co., Ltd		SHEET: 页数:	2 OF 1 第 1 页 共 2 页	APPROVAL: 批准:	彭翔翔 日期 2024.03.13	SIZE: 图幅:	A4
PART No.:	/	VERISON: 版本:	/		V0.0	PROJECTION: 投影:	



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	19~19.2mm	Switch combinations 开关组合	1NO (一常开)	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	
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	
Current rating: 额定电流:	Resistive loads 阻性负载	DC-13:12V/24V 15A AC-15:110V/250V 20A	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
	Inductive loads 感性负载	AC-15:110V/250V 4A DC-13:110V 4A	PIN pin style PIN脚样式	Switch pin 4.8 x 0.8&LED pin 2.8 x 0.5 开关插针4.8x0.8&LED插针2.8x0.5	Electrical life 电气寿命	DC-13:12V/24V 15A >30,000 times AC-15:110V/250V 20A >3万次
Rated heating current 额定发热电流	ith: 20A/250VAC	Base material 基座材质	Modified nylon PA66 改性尼龙PA66	Contact resistance 接触阻值	≤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 红、绿、黄、蓝、白			



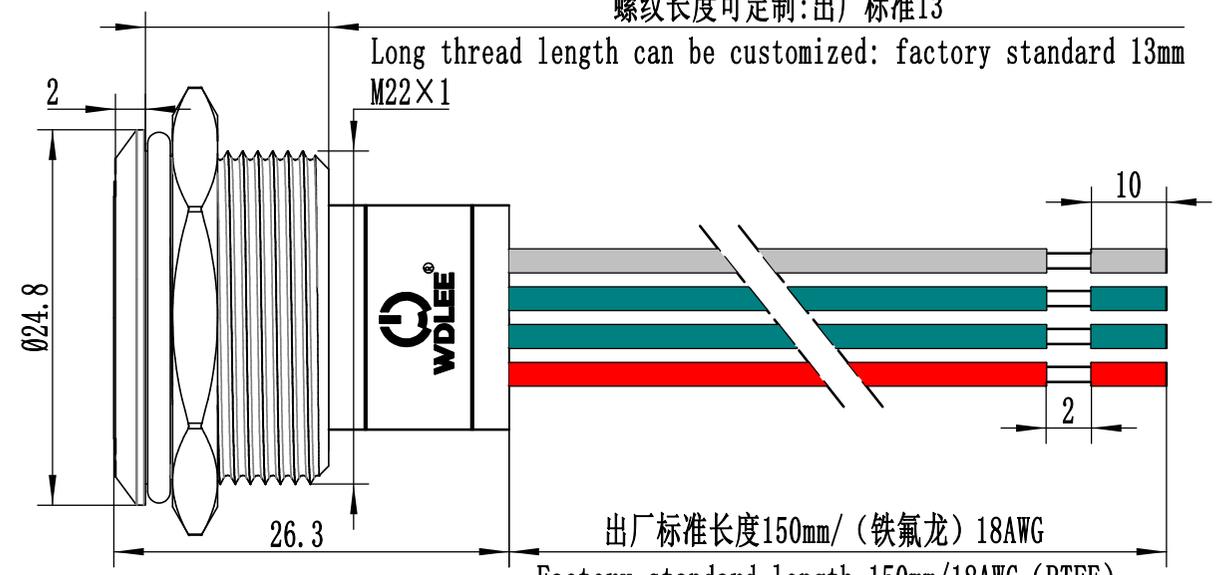
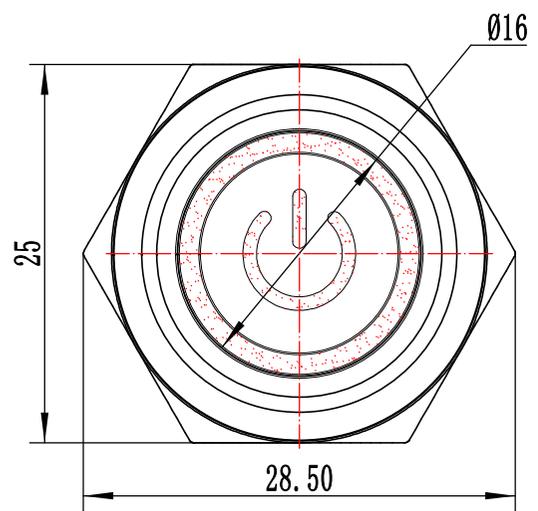
PART NAME: 零件名称:	WD19D1-P1 fully sealed series button switch WD19D1-P1全密封系列按钮开关	MATERIAL: 材料:	/	DRAWN: 绘图:	彭翔翔 日期 2024.03.13	WEIGHT(g): 重量:	10
PART No.:	WD19D1-P1-EC-GGS02	SCALE: 比例:	2:1	CHECK: 审核:	彭翔翔 日期 2024.03.13	UNIT: 单位:	mm
浙江万度电气有限公司 Zhejiang Wandu Electric Co., Ltd		SHEET: 页数:	2 OF 1 第 1 页 共 2 页	APPROVAL: 批准:	彭翔翔 日期 2024.03.13	SIZE: 图幅:	A4
		PART No.:	/	VERSION: 版本:	V0.0	PROJECTION: 投影:	



未经万度电气书面允许，严禁打印和复印

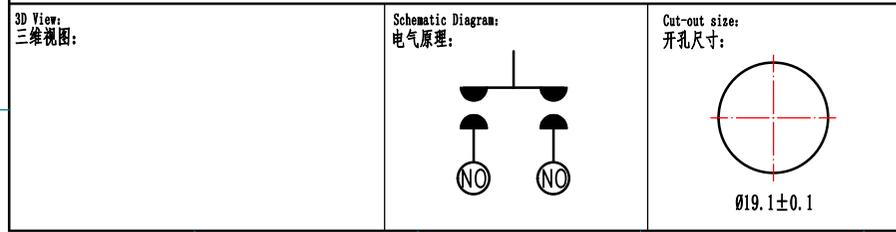
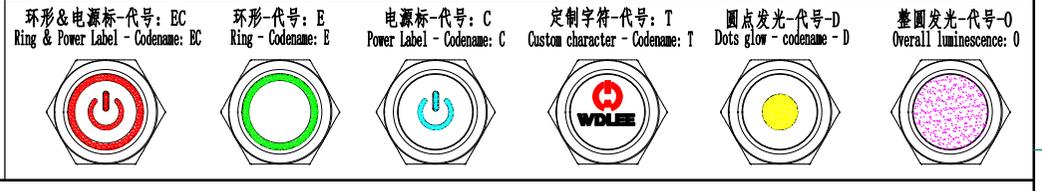
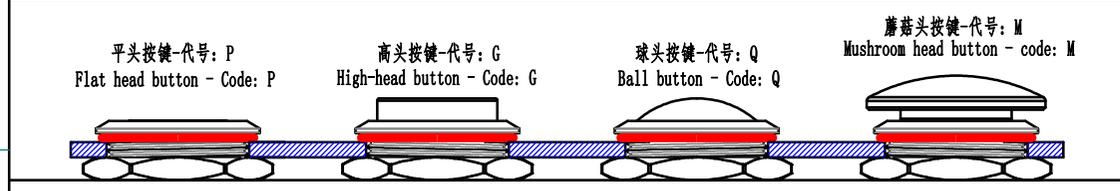
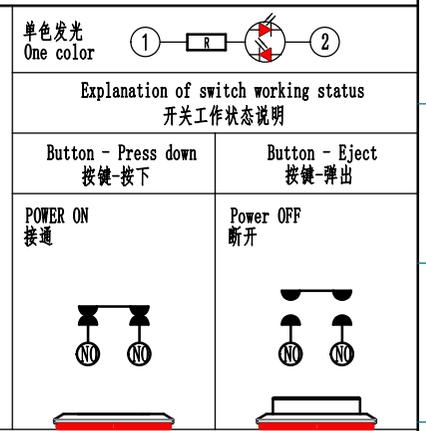
螺纹长度可定制：出厂标准13

Long thread length can be customized: factory standard 13mm



出厂标准长度150mm/（铁氟龙）18AWG
Factory standard length 150mm/18AWG (PTFE)

Mounting hole diameter 安装孔直径	22~22.2mm	Switch combinations 开关组合	1NO (一常开)	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	
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	
Current rating: 额定电流:	Resistive loads 阻性负载	DC-13:12V/24V 15A AC-15:110V/250V 20A	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
	Inductive loads 感性负载	AC-15:110V/250V 4A DC-13:110V 4A	PIN pin style PIN脚样式	Switch pin 4.8 x 0.8&LED pin 2.8 x 0.5 开关插针4.8x0.8&LED插针2.8x0.5	Electrical life 电气寿命	DC-13:12V/24V 15A >30,000 times AC-15:110V/250V 20A >3万次
Rated heating current 额定发热电流	ith: 20A/250VAC	Base material 基座材质	Modified nylon PA66 改性尼龙PA66	Contact resistance 接触阻值	≤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 红、绿、黄、蓝、白			

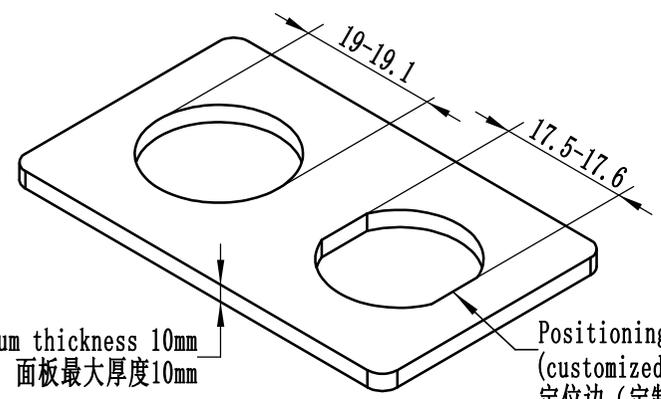


PART NAME: 零件名称:	WD22D1-P1 fully sealed series button switch WD22D1-P1全密封系列按钮开关	MATERIAL: 材料:	/	DRAWN: 绘图:	彭翔翔 日期 2024.03.13	WEIGHT(g): 重量:	10
PART No.:	WD22D1-P1-EC-GGS02	SCALE: 比例:	2:1	CHECK: 审核:	彭翔翔 日期 2024.03.13	UNIT: 单位:	mm
浙江万度电气有限公司 Zhejiang Wandu Electric Co., Ltd		SHEET: 页数:	2 OF 1 第 1 页 共 2 页	APPROVAL: 批准:	彭翔翔 日期 2024.03.13	SIZE: 图幅:	A4
		PART No.:	/	VERSION: 版本:	V0.0	PROJECTION: 投影:	



未经万度电气书面允许，严禁打印和复印

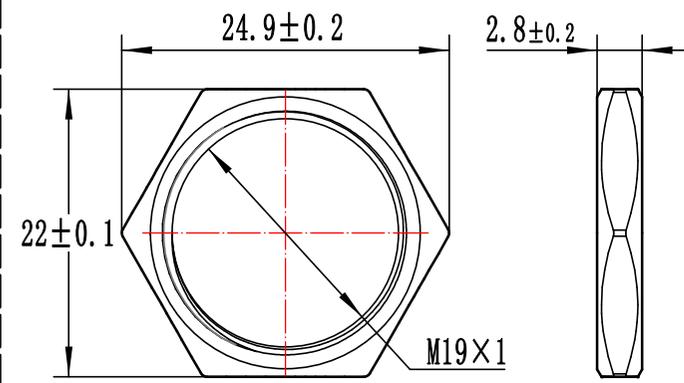
Panel opening size
面板开孔尺寸



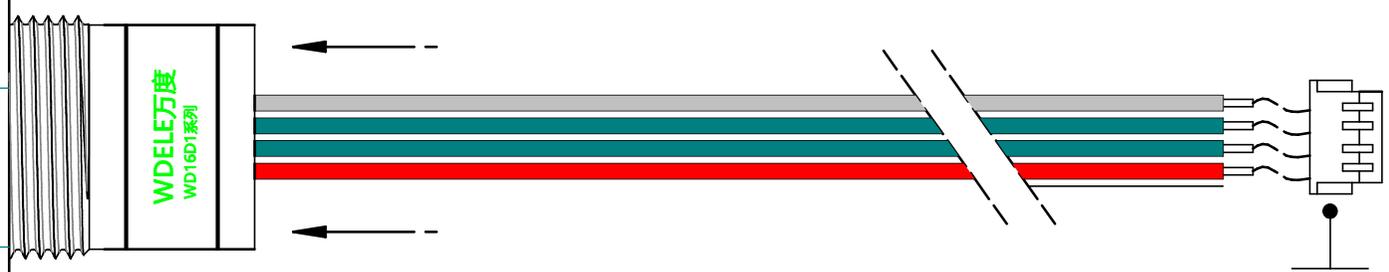
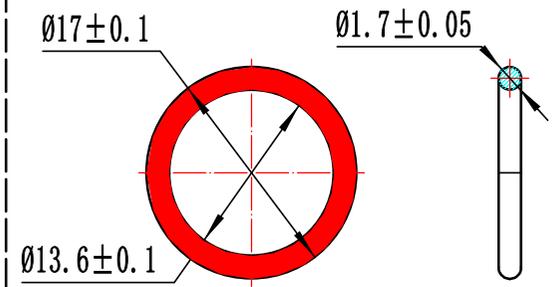
Maximum thickness 10mm
面板最大厚度10mm

Positioning edge
(customized)
定位边 (定制)

Attachment: Hexagonal Nut
附件: 六角螺母



Attachment: 0-shaped silicone waterproof ring
附件: 0型硅胶防水圈



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

PIN Pin Definition Description
PIN脚定义解示

+	LED positive input LED正极输入
-	LED negative input LED负极输入
1	Normally open switching signal input/output 常开开关信号输入/输出
2	Normally closed switching signal input/output 常闭开关信号输入/输出



接线时请参考规格书，带电作业请做好绝缘防护!
Please refer to the specifications when wiring, and do insulation protection when working with electricity!

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.



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: WD19D1-P1 fully sealed series button switch WD19D1-P1全密封系列按钮开关	MATERIAL: 材料: /	DRAWN: 绘图: 彭翔翔 日期 2024.03.10	WEIGHT(g): 重量: 10
			PART No. : 零件编号: WD19D1-P1-GGS02	SCALE: 比例: 2:1	CHECK: 审核: 彭翔翔 日期 2024.03.10	UNIT: 单位: mm
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				PART No. : 料号: /	VERISON: 版本: V0.0	PROJECTION: 投影: