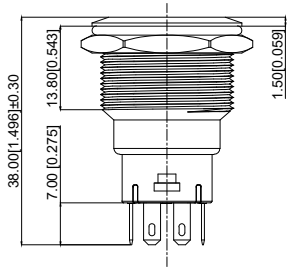
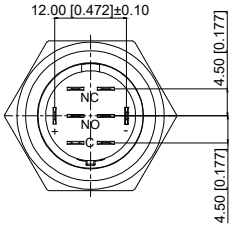
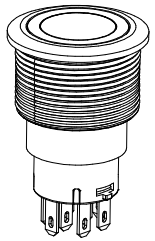
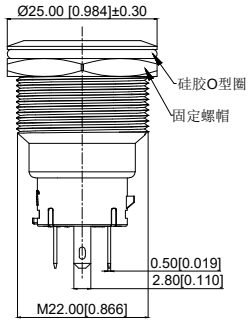
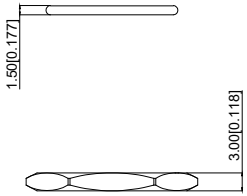
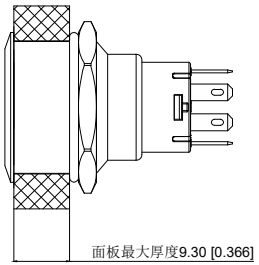


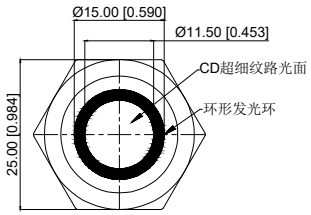


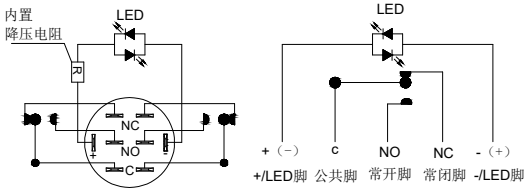




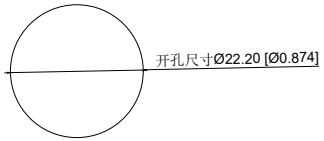








Single color electrical schematic diagram
单色电气原理图



Installation View
安装视图

REV	DATE	REVISION DESCRIPTION	ISSUE
A4			
A3			
A2			
A1			

台普 ROCPU

COMMON TOLERANCE	
X.XX	± 0.10
X.X	± 0.15
X	± 0.25
ANGULAR	——

UNIT	MM	PROJCTED		PRODUCT NAME:
DRAWN BY	FUYUAN	CHECKED BY	COCO	MODEL NO: TP92214P224RA5150
DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw

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性能参数

1. Heating current: Ui: AC250V, Ith: 5A
   发热电流: Ui: AC250V, Ith: 5A
2. Rated current:3A/DC36V
   额定电流:3A/DC36V
3. Power-frequency withstand voltage:2000V1min
   工频耐压:2000V1min
4. Insulation resistance:≥1000MΩ
   绝缘电阻 :≥1000MΩ
5. Contact resistance:≤50mΩ
   接触电阻 :≤50mΩ
6. Pressing stroke:2.50mm ± 0.10
   按压行程:2.50mm ± 0.10
7. Contact stroke:1.50mm±0.10
   接触行程 :1.50mm±0.10
8. Nut assembly torque:5-14N
   螺帽装配力矩:5-14N
9. Protection level:IP67
   防护等级:IP67
10. Explosion prevention level：IK10
    防暴等级：IK10
11. Working environment temperature：-20 ℃~+55 ℃
    工作环境温度：-20 ℃~+55 ℃
12. Compression torque：≤ 6N
    按压扭力：≤ 6N
13. Electrical life：100000 cycles
    电气寿命：100000 cycles
14. mechanical：500000cycles
    机械寿命：500000cycles
15. Operation method:Self repeating form
    操作方式：自复式
16. LED lamp power consumption：20m以下
    LED灯功耗：20m以下
17. LED lamp lifespan：40000h
    LED寿命：40000h
18. LED color: Red
    LED颜色：红色
19. LED Lamp Voltage：24V
    LED灯电压：24V
20. NO reverse thrust foot torque：≤30N
    NO反推脚扭力：≤30N

连接形式

1. Welding temperature of wire: 320 ± 20 ℃
   线材焊接温度：320±20℃
   Wire welding duration: less than 3 seconds
   线材焊接时长：时长3秒以下
2. Can be used with dedicated connectors:
   可配专用接插件使用：

2.1 1NO1NCSwitch function wire: green (C) blue wire (NO) yellow wire (NC)
1NO1NC开关功能线材：绿色(C) 蓝线（NO） 黄线（NC）

2.2 2NO2NC switch function wire: green black wire C, blue black wire NO, yellow white wire NC
2NO2NC开关功能线材：绿黑线C、蓝黑线NO、黄白线NC

2.3 LED functional wire: red wire positive pole black wire negative pole LED without distinguishing positive and negative poles
LED功能线材：红线正极 黑线负极 LED不分正负极

A4			
A3			
A2			
A1			
REV	DATE	REVISION DESCRIPTION	ISSUE

台普 ROCPU

COMMON TOLERANCE	
X.XX	± 0.10
X.X	± 0.15
X	± 0.25
ANGULAR	———

UNIT	MM	PROJCTED		PRODUCT NAME:
DRAWN BY	FUYUAN	CHECKED BY	COCO	MODEL NO: TP92214P224RA5150
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材质参数

NO 序号	Part name 部件名	Material 材料	QTY 数量	Remark 备注
10	luminous zone 发光区	PC 塑胶	1	
9	LEDpin LED引脚	Brass 黄铜	1	Silvering 镀银
8	Base 底座	PA46	1	
7	Pin 引脚	Brass 黄铜	1	gold-plating 镀金
6	Contact material 接触材质	silver alloy 银合金	1	
5	LED Base LED基座	PC 塑胶	1	
4	Arm nut 固定螺帽	Brass 黄铜	1	nickeling 镀镍
3	Oring O型圈	Silica gel 硅胶	1	
2	Housing 外壳	Aluminum alloy 铝合金	1	Oxidized/Black 氧化/黑色
1	Key 按键	Aluminum alloy 铝合金	1	Oxidized/Black 氧化/黑色

REV	DATE	REVISION DESCRIPTION	ISSUE
A4			
A3			
A2			
A1			

台普 ROCPU

COMMON TOLERANCE	
X.XX	± 0.10
X.X	± 0.15
X	± 0.25
ANGULAR	——

UNIT	MM	PROJCTED		PRODUCT NAME:
DRAWN BY	FUYUAN	CHECKED BY	COCO	MODEL NO: TP92214P224RA5150
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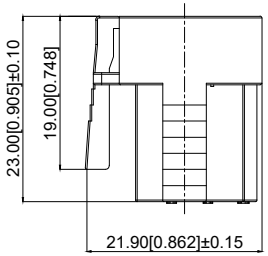
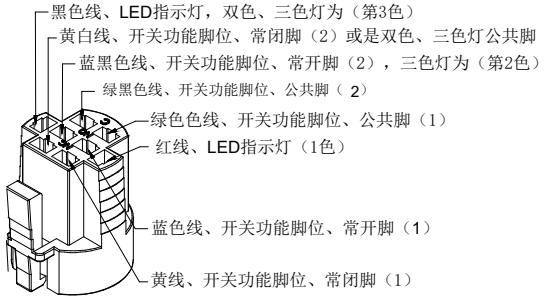
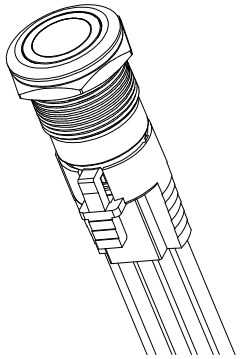
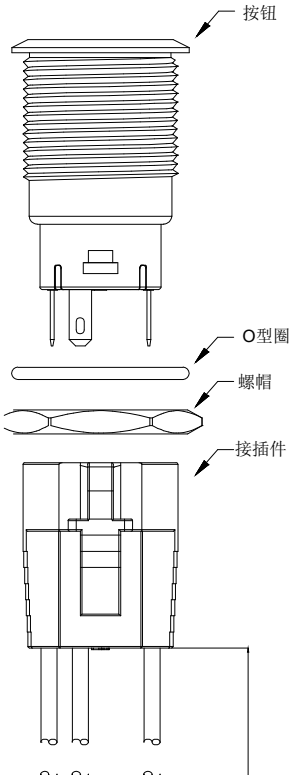
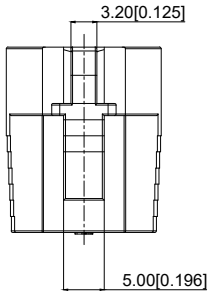


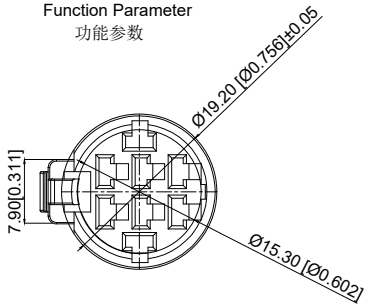


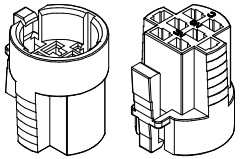
Function Parameter
功能参数

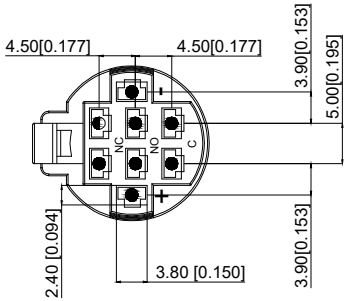


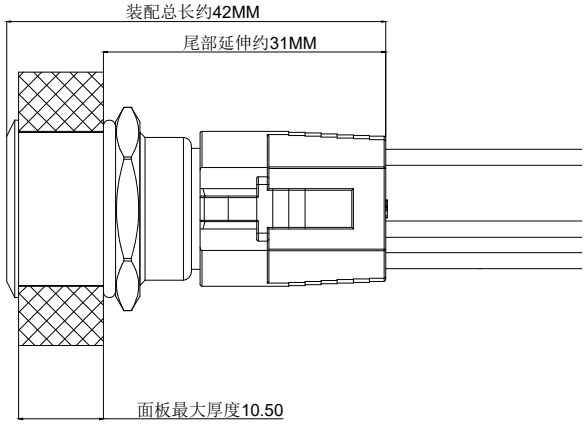




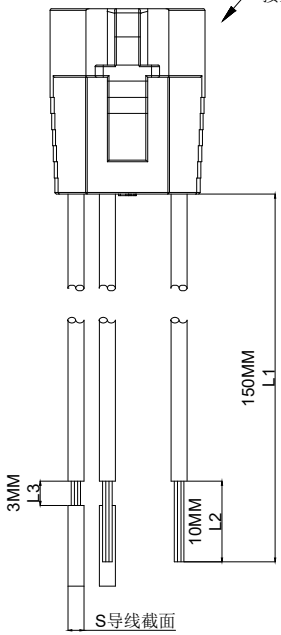








Installation diagram
安装示意图



A4				台普 ROCPU	COMMON TOLERANCE		UNIT	MM	PROJCTED	PRODUCT NAME:
A3							DRAWN BY	FUYUAN	CHECKED BY	COCO / MODEL NO: TP92214P224RA5150
A2					X.XX	± 0.10	DATE	2019	APPROVAL B	ALEN / Https: www.rocpu.tw
A1					X.X	± 0.15				
REV	DATE	REVISION DESCRIPTION	ISSUE		X	± 0.25				
					ANGULAR	——				

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性能参数

1.L1-导线长度：默认150MM长；
2.L2-线头长度：默认10MM
3.L3-剥头长度：默认3MM
4.S-导线导体横截面积：默认0.5平方MM、可选0.3平方MM
5.线型拉力N：（0.15-0.25MM）≤30N、（0.3MM）≤40N、（0.5MM）≤50N、（0.75MM）≤60N
6.需要其他线长、线型、可以定制

材质参数

1.插壳：浅蓝色尼龙胶壳
2.端子：磷铜y镀锡色
3.导电线材：紫铜

线束使用说明

1.2线：用于单色的指示灯、无开关功能
2.3线：用于双色指示灯、无开关功能
3.4线：用于三色灯的指示灯、无开关功能
4.3线：用于1NO/1NO1NC开关、无指示灯功能
5.6线：用于2NO/2NO2NC开关、无指示灯功能
6.5线：用于1NO/1NO1NC、单色指示灯带开关功能
7.8线：用于2NO/2NO2NC、单色指示灯带开关功能
8.6线：用于1NO/1NO1NC、双色指示灯带开关功能
9.7线：用于1NO/1NO1NC、三色或220v双色指示灯带开关功能

A4			
A3			
A2			
A1			
REV	DATE	REVISION DESCRIPTION	ISSUE

台普 ROCPU

COMMON TOLERANCE	
X.XX	± 0.10
X.X	± 0.15
X	± 0.25
ANGULAR	———

UNIT	MM	PROJCTED		PRODUCT NAME:
DRAWN BY	FUYUAN	CHECKED BY	COCO	MODEL NO: TP92214P224RA5150
DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw

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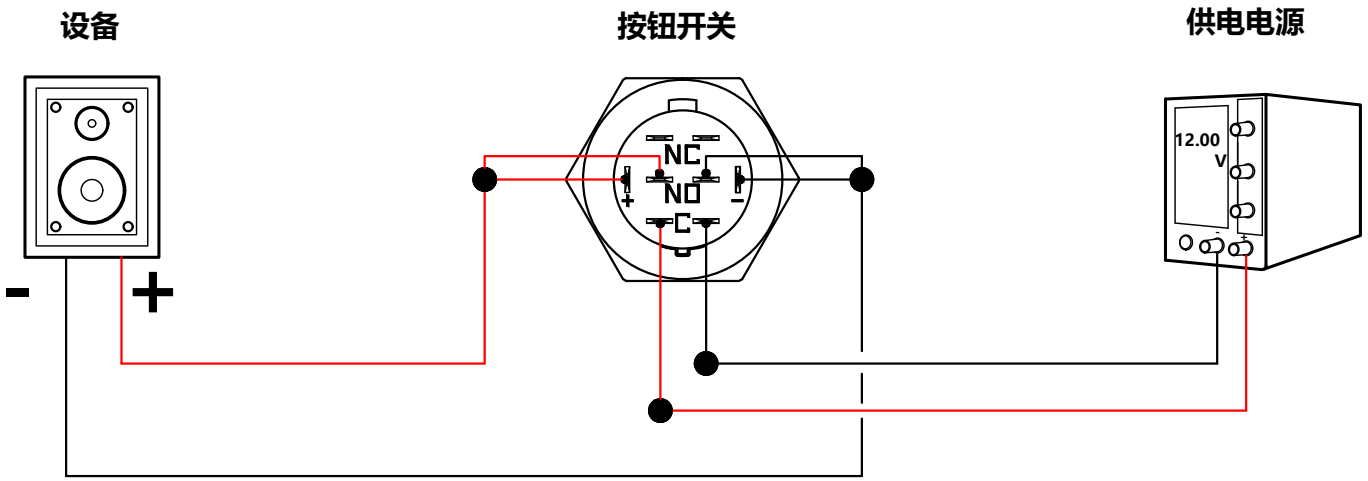
22MM系列双排单色按钮开关接线说明



接线说明：

1、供电电源的正极、按钮开关左边的C脚，接一起。

2、供电电源的负极，按钮开关右边的C脚，接一起。

3、设备的正极，按钮开关的左NO脚、按钮开关的LED正极，并接一起。

4、设备的负极，按钮开关的右NO脚、按钮开关的LED负极，并接一起

实现功能：

1、按钮开关按下去时：设备正负极都通电，按钮开关LED灯亮。

2、按钮开关按回去时：设备正负极都断电，按钮开关LED灯灭。

注：说明图的电压为接线参考使用，电源电压根据实际供电电压为准。

红线为正极（火线）

黑线为负极（零线）

A4				台普 ROCPU	COMMON TOLERANCE		UNIT	MM	PROJCTED	PRODUCT NAME:
A3							DRAWN BY	FUYUAN	CHECKED BY	COCO	MODEL NO:
A2					X.XX	± 0.10	DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw
A1					X.X	± 0.15					
					X	± 0.25					
REV	DATE	REVISION DESCRIPTION	ISSUE		ANGULAR	———					

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