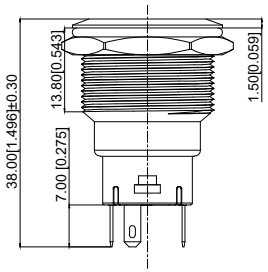
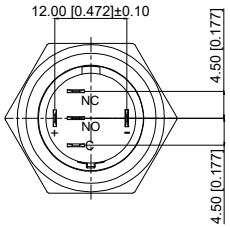
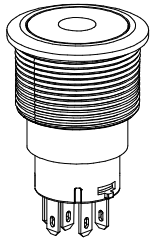
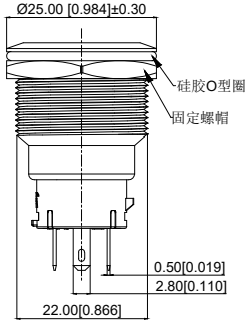
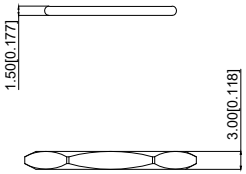
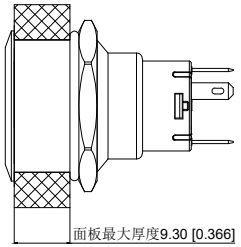


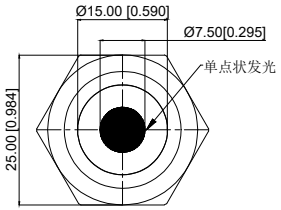


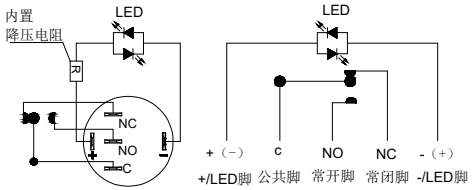




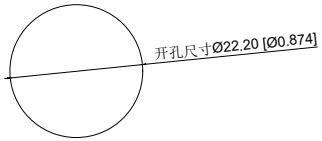








Single color electrical schematic diagram
单色电气原理图



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: TP92205P224RA5150
DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw

ROCPU TECHNOLONGY CO.,LTD

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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：≤ 4N
    按压扭力：≤4N
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. Power-frequency withstand voltage：2000V/1min
    工频耐压：2000V/1min
17. LED lamp power consumption：20m以下
    LED灯功耗：20m以下
18. LED lamp lifespan：40000h
    LED寿命：40000h
19. LED color: Red
    LED颜色：红色
20. LED Lamp Voltage：24V
    LED灯电压：24V
21. 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 Switch function wire: green (C) blue wire (NO) yellow wire (NC)
开关功能线材：绿色(C) 蓝线（NO） 黄线（NC）

2.2 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				台普 ROCPU	COMMON TOLERANCE		UNIT	MM	PROJCTED	PRODUCT NAME:
A3							DRAWN BY	FUYUAN	CHECKED BY	COCO	MODEL NO: TP92205P224RA5150
A2					X.XX	± 0.10	DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw
A1					X.X	± 0.15	ROCPU TECHNOLONGY CO.,LTD				
REV	DATE	REVISION DESCRIPTION	ISSUE		X	± 0.25					
					ANGULAR	——					

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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	Silvering 镀银
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: TP92205P224RA5150
DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw

ROCPU TECHNOLONGY CO.,LTD

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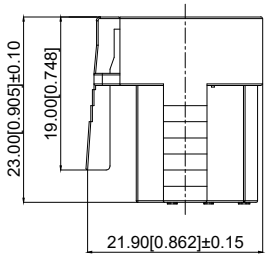
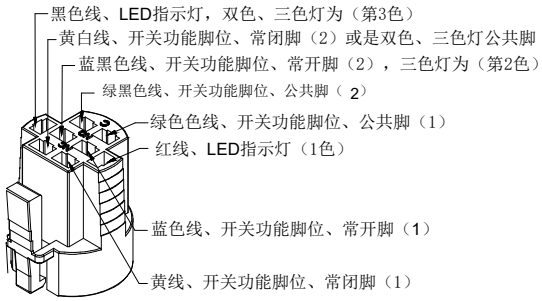
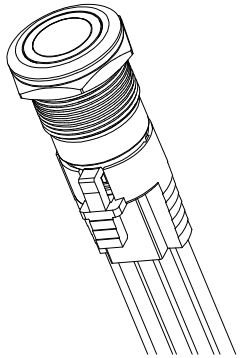
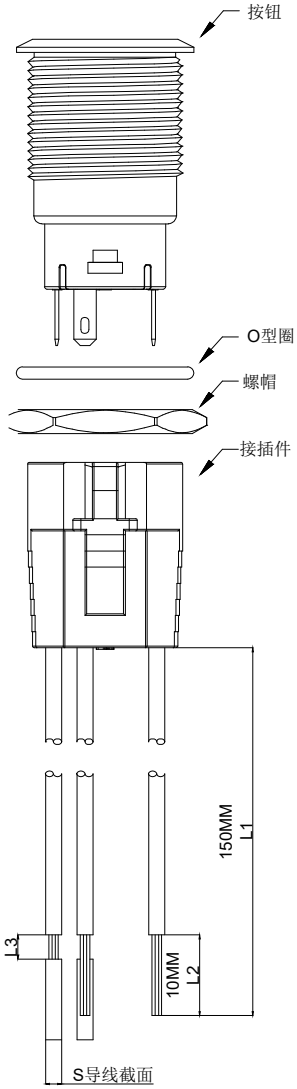
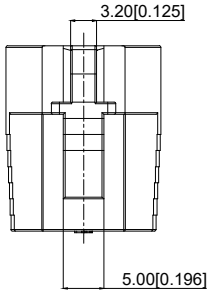


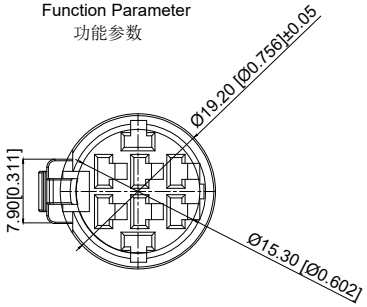


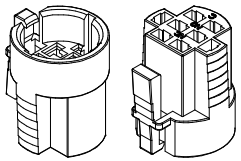


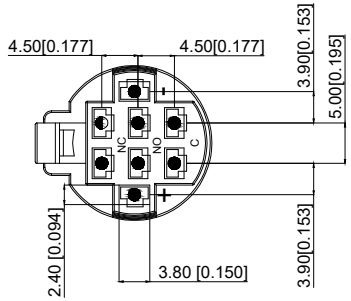


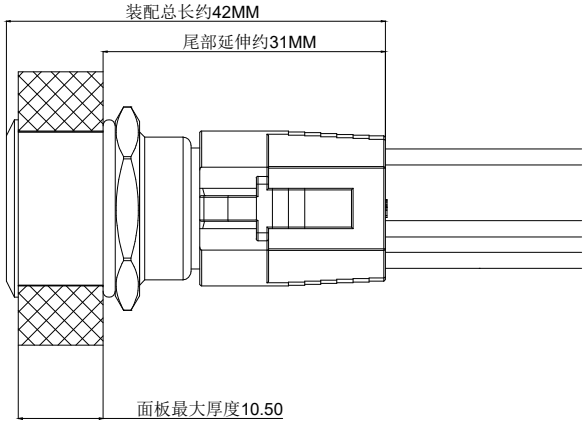


Function Parameter
功能参数









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: TP92205P224RA5150
A2					X.XX	± 0.10	DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw
A1					X.X	± 0.15	ROCPU TECHNOLONGY CO.,LTD				
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				台普 ROCPU	COMMON TOLERANCE		UNIT	MM	PROJCTED		PRODUCT NAME:
A3							DRAWN BY	FUYUAN	CHECKED BY	COCO	MODEL NO: TP92205P224RA5150
A2					X.XX	± 0.10	DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw
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REV	DATE	REVISION DESCRIPTION	ISSUE		X	± 0.25					
					ANGULAR	——					

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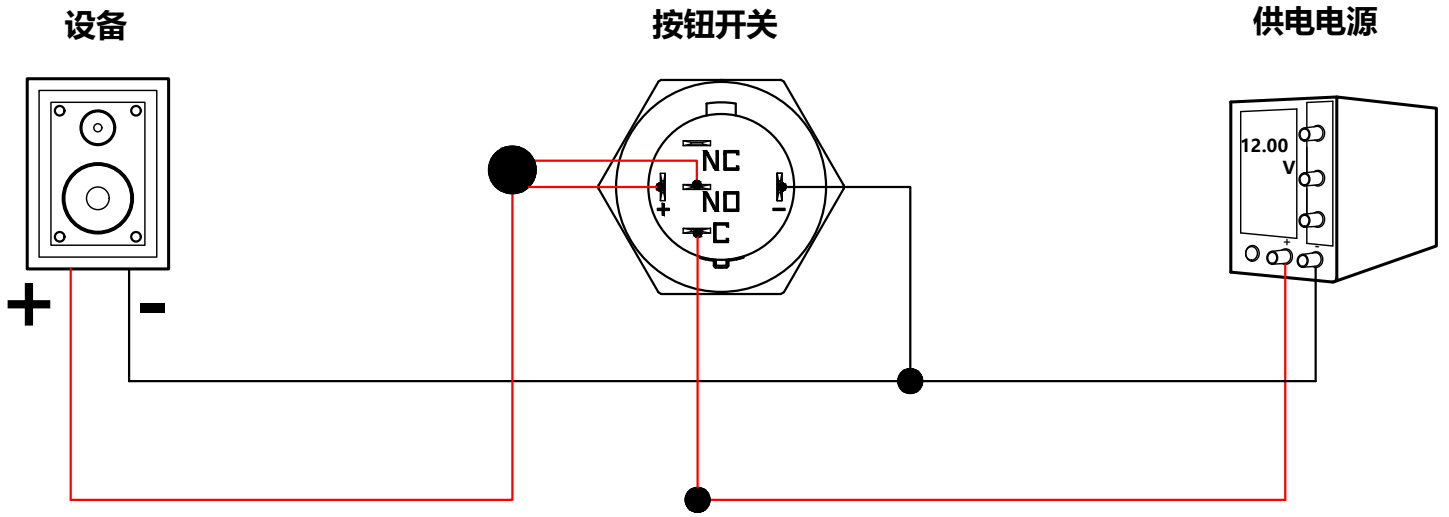
22ＭＭ系列单排单色按钮开关接线说明



接线说明：

1、供电电源的负极、设备的负极、按钮开关的LED负极，并接一起。

2、供电电源的正极，按钮开关的C脚，并接一起。

3、设备的正极，按钮开关的NO脚、按钮开关的LED正极，并接一起。

实现功能：

1、按钮开关按下去时：设备通电，按钮开关LED灯亮。

2、按钮开关按回去时：设备断电，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
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REV	DATE	REVISION DESCRIPTION	ISSUE		X	± 0.25					
					ANGULAR	——					

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