



A4				 <b>台普</b> <b>ROCPCU</b>	COMMON TOLERANCE X.XX ± 0.10 X.X ± 0.15 X ± 0.25 ANGULAR —	UNIT	MM	PROJECTED		PRODUCT NAME:	
A3			DRAWN BY			SHUHAO	CHECKED BY	COCO	MODEL NO: TP91204P□□□□		
A2			DATE			2019	APPROVAL B	ALEN	Https: www.rocpcu.tw		
A1			<h1>ROCPCU TECHNOLOGY CO.,LTD</h1>								
REV	DATE	REVISION	DESCRIPTION			ISSUE	Copies are issued in strict confidence and shall not be reproduced or copied, or used as the basic of manufacture or sale of apparatus without permission				

# TP91204P □ □ □ □

Operation method  
1:Self-locking  
2:Self-compound

LED voltage

- 3: 3V
- 6: 6V
- 12: 12V
- 24: 24V
- 36: 36V
- 48: 48V
- 60: 60V
- 110: 110V
- 220: 220V

Material

- A: Aluminum alloy
- S: Stainless steel
- B: Brass**

LED Color

- R:Red
- Y:Yellow
- G:Green
- B:Blue
- W:White
- O:Orange**

## 连接形式



1. Welding temperature of wire:  $320 \pm 20 \text{ }^\circ\text{C}$   
 线材焊接温度:  $320 \pm 20 \text{ }^\circ\text{C}$   
 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 distinction between positive and negative poles  
 LED功能线材: 红线正极, 黑线负极, LED不分正负极

## 性能参数

1. Heating current:  $U_i: AC250V, I_{th}: 3A$   
 发热电流:  $U_i: AC250V, I_{th}: 3A$
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:  $\geq 1000M\Omega$   
 绝缘电阻:  $\geq 1000M\Omega$
5. Contact resistance:  $\leq 50m\Omega$   
 接触电阻:  $\leq 50m\Omega$
6. Pressing stroke:  $1.80mm \pm 0.10$   
 按压行程:  $1.80mm \pm 0.10$
7. Contact stroke:  $0.60mm \pm 0.10$   
 接触行程:  $0.60mm \pm 0.10$
8. welding temperature:  $320 \text{ }^\circ\text{C} \pm 20 \text{ }^\circ\text{C}$   
 焊接温度:  $320 \text{ }^\circ\text{C} \pm 20 \text{ }^\circ\text{C}$
9. Welding duration: Less than 3 seconds in duration  
 焊接时长: Less than 3 seconds in duration
10. Nut assembly torque:  $5-14N$



## 螺帽装配力矩: $5-14N$

11. Protection level: IP67  
 防护等级: IP65
12. Explosion prevention level: IK08  
 防暴等级: IK08
13. Working environment temperature:  $-20 \text{ }^\circ\text{C} \sim +55 \text{ }^\circ\text{C}$   
 工作环境温度:  $-20 \text{ }^\circ\text{C} \sim +55 \text{ }^\circ\text{C}$
14. Compression torque:  $\leq 3N$   
 按压扭力:  $\leq 3N$
15. Electrical life: 100000 cycles  
 电气寿命: 100000 cycles
16. mechanical: 5000000cycles  
 机械寿命: 5000000cycles
17. NO reverse thrust foot torque:  $\leq 30N$   
 NO反推脚扭力:  $\leq 30N$
18. LED lamp power consumption: 20m以下  
 LED灯功耗: 20m以下
19. LED lamp lifespan: 40000h  
 LED寿命: 40000h

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A1					X	$\pm 0.25$	ROCPCU TECHNOLOGY CO.,LTD				
REV	DATE	REVISION	DESCRIPTION		ISSUE	ANGULAR					
	A		B		C		D	E	F	G	

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

材质参数

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