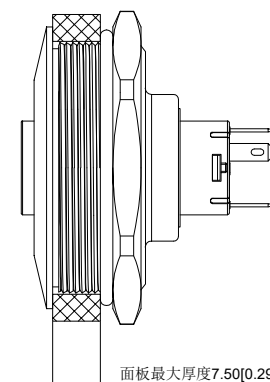
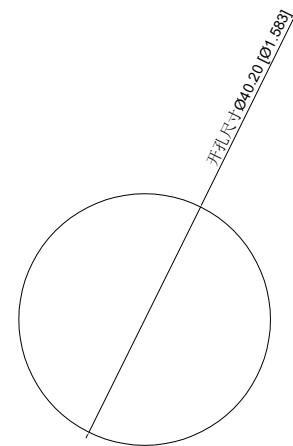


Single color electrical schematic diagram  
单色电气原理图



Installation View  
安装视图



A4				
A3				
A2				
A1				
REV	DATE	REVISION	DESCRIPTION	ISSUE



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

UNIT	MM	PROJECTED		PRODUCT NAME:
DRAWN BY	SHUHAO	CHECKED BY	COCO	MODEL NO: TP94011G □ □ □ □
DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw

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### Operation method

- 1: Self-locking
- 2: Self-compound

TP94011G □ □ □ □

### 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:  $320 \pm 20$  °C  
 线材焊接温度:  $320 \pm 20$  °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 Line (C) Blue Line (NO) Yellow Line (NC)  
 开关功能线材: 绿线 (C) 蓝线 (NO) 黄线 (NC)
  - 2.2 LED functional wire: red wire positive pole black wire negative pole  
 LED功能线材: 红线正极 黑线负极
  - 2.3 LED is an electrodeless lamp bead that can be lit without the need to separate positive and negative poles  
 LED为无极灯珠, 无需分正负极也可点亮



### 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: 2000V/1min  
 工频耐压: 2000V/1min
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:  $2.50mm \pm 0.10$   
 按压行程:  $2.50mm \pm 0.10$
7. Contact stroke:  $1.50mm \pm 0.10$   
 接触行程:  $1.50mm \pm 0.10$
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.m  
 螺帽装配力矩: 5-14N.m
11. Protection level: IP67  
 防护等级: IP67
12. Explosion prevention level: IK10  
 防爆等级: IK10
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:  $\leq 2.5N$   
 按压扭力:  $\leq 2.5N$
15. Electrical life: 50,000 cycles  
 电气寿命: 50,000 cycles
16. Mechanical: 500,000 cycles  
 机械寿命: 500,000 cycles
17. LED lamp power consumption: 20mA以下  
 LED灯功耗: 20mA以下
18. LED lamp lifespan: 40000h  
 LED寿命: 40000h
19. NO reverse thrust foot torque:  $\leq 30N$   
 NO反推脚扭力:  $\leq 30N$

A4					COMMON TOLERANCE		UNIT	MM	PROJECTED		PRODUCT NAME:
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A1					X	$\pm 0.25$	ROCPU TECHNOLOGY CO.,LTD				
REV	DATE	REVISION	DESCRIPTION		ISSUE	ANGULAR					

## 材质参数

9	luminous zone 发光区	PC 塑胶	1	
8	LEDpin LED引脚	Brass 黄铜	1	Silvering 镀银
7	Base 底座	PA46	1	
6	NOPin NO引脚	Brass 黄铜	1	gold-plating 镀金
5	Contact material 接触材质	silver alloy 银合金	1	Silvering 镀银
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	SUS/Aluminum alloy/Brass 不锈钢/铝合金/黄铜	1	
1	Key 按键	SUS/Aluminum alloy/Brass 不锈钢/铝合金/黄铜	1	
NO 序号	Part name 部件名	Material 材料	QTY 数量	Remark 备注

A4				 <b>ROCPCU</b>	COMMON TOLERANCE		UNIT	MM	PROJECTED		PRODUCT NAME:
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