



# TP991602P

## 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

## 性能参数



1. Heating current: Ui: AC250V, Ith: 10A  
发热电流: Ui: AC250V, Ith: 10A
2. Rated current:10A,AC110V/220V  
10A,DC12V/24V  
额定电流:10A,AC110V/220V  
10A,DC12V/24V
3. Power-frequency withstand voltage:1500V/1min  
工频耐压:1500V/1min
4. Insulation resistance:≥1000MΩ  
绝缘电阻 :≥1000MΩ
5. Contact resistance:≤50mΩ  
接触电阻 :≤50mΩ
6. Pressing stroke:4.00mm ± 0.10  
按压行程:4.00mm ± 0.10
7. Contact stroke:1.20mm±0.10  
接触行程 :1.20mm±0.10
8. Nut assembly torque:5-14N.m  
螺帽装配力矩:5-14N.m
9. Protection level:IP67

## 连接形式

1. Welding temperature of wire: 320 ± 20 °C  
线材焊接温度: 320±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: Blue wire (NO) (1.0²mm)  
开关功能线材: 蓝线 (NO) (1.0²mm)
  - 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



## 防护等级:IP67

10. Explosion prevention level: IK10  
防暴等级: IK10
11. Working environment temperature: -40 °C~+80 °C  
工作环境温度: -40 °C~+80 °C
12. Compression torque: ≤ 5.0N  
按压扭力: ≤5.0N
13. Electrical life: 50,000 cycles  
电气寿命: 50,000 cycles
14. Mechanical: 500,000cycles  
机械寿命: 500,000cycles
15. LED lamp power consumption: 20mA以下  
LED灯功耗: 20mA以下
16. LED lamp lifespan: 40000h  
LED寿命: 40000h
17. NO reverse thrust foot torque: ≤30N  
NO反推脚扭力: ≤30N

A4				 <b>台普</b> <b>ROCPCU</b>	COMMON TOLERANCE		UNIT	MM	PROJECTED		PRODUCT NAME:
A3					X.XX	± 0.10	DRAWN BY	SHUHAO	CHECKED BY	COCO	MODEL NO:TP991602P□□□□
A2					X.X	± 0.15	DATE	2019	APPROVAL B	ALEN	Https: www.rocpcu.tw
A1					X	± 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	Contact material 接触材质	silver alloy 银合金	1	Silvering 镀银
6	NOPin NO引脚	Brass 黄铜	1	gold-plating 镀金
7	Base 底座	PBT	1	Silvering 镀银
8	LEDpin LED引脚	Brass 黄铜	1	Silvering 镀银
9	luminous zone 发光区	PC 塑胶	1	

### 材质参数

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REV	DATE	REVISION	DESCRIPTION		ISSUE	ANGULAR					