



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:	TP91602G□□	
A2			DATE			2019	APPROVAL	B	ALLEN	Https:	www.rocpcu.tw
A1			<b>ROCPCU TECHNOLOGY CO.,LTD</b>								
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# TP91602G

## Operation method

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

## Material

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

## 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)

## 性能参数

1. Heating current:  $U_i$ : AC250V,  $I_{th}$ : 5A  
 发热电流:  $U_i$ : AC250V,  $I_{th}$ : 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:  $\geq 1000 \text{M}\Omega$   
 绝缘电阻:  $\geq 1000 \text{M}\Omega$
5. Contact resistance:  $\leq 50 \text{m}\Omega$   
 接触电阻:  $\leq 50 \text{m}\Omega$
6. Pressing stroke:  $2.80 \text{mm} \pm 0.10$   
 按压行程:  $2.80 \text{mm} \pm 0.10$
7. Contact stroke:  $1.50 \text{mm} \pm 0.10$   
 接触行程:  $1.50 \text{mm} \pm 0.10$
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: IK09  
 防暴等级: IK09
11. Working environment temperature:  $-20 \text{ }^\circ\text{C} \sim +55 \text{ }^\circ\text{C}$   
 工作环境温度:  $-20 \text{ }^\circ\text{C} \sim +55 \text{ }^\circ\text{C}$
12. Compression torque:  $\leq 3.5 \text{N}$   
 按压扭力:  $\leq 3.5 \text{N}$
13. Electrical life: 500000 cycles  
 电气寿命: 500000 cycles
14. mechanical: 500000 cycles  
 机械寿命: 500000 cycles
15. NO reverse thrust foot torque:  $\leq 30 \text{N}$   
 NO反推脚扭力:  $\leq 30 \text{N}$

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	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	Aluminum alloy/SUS/Brass 铝合金/不锈钢/黄铜	1	
2	Housing 外壳	Aluminum alloy/SUS/Brass 铝合金/不锈钢/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	Pin 引脚	Brass 黄铜	1	gold-plating 镀金
7	Base 底座	PA46	1	

材质参数

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