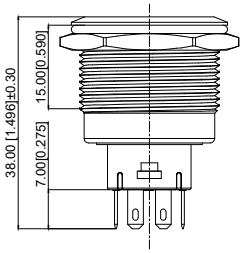
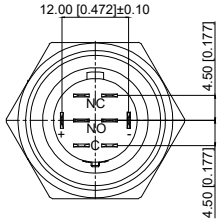
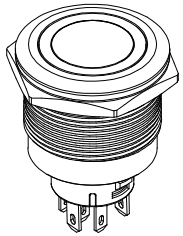
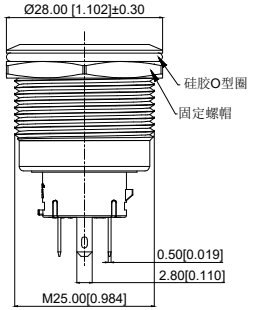
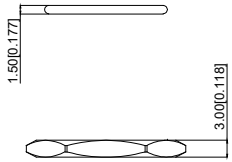
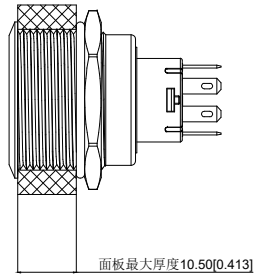


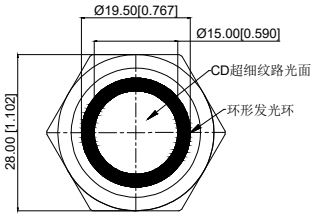


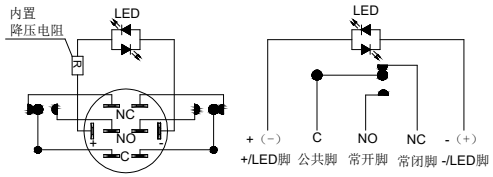






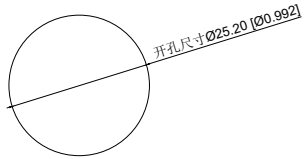






Single color electrical schematic diagram

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	SHUHAO	CHECKED BY	COCO	MODEL NO:TP92510P□□□□
DATE	2019	APPROVAL B	ALEN	Https: www.rocpu.tw

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TP92510P□□□□

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

LED Color
R:Red
Y:Yellow
G:Green
B:Blue
W:White
O:Orange

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

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 1NO1NC开关功能线材Switch function wire: green (C) blue wire (NO) yellow wire (NC)
1NO1NC开关功能线材：绿色(C) 蓝线（NO） 黄线（NC）

2.2 2NO2NC switch function wire: green black wire (C)
blue black wire (NO), yellow white wire (NC)
2NO2NC开关功能线材：绿黑线（C）、蓝黑线（NO）、黄白线（NC）

2.3 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

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. welding temperature：320 ℃± 20 ℃
   焊接温度：320 ℃± 20 ℃
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:IP67
12. Explosion prevention level：IK10
    防暴等级：IK10
13. Working environment temperature：-20 ℃~+55 ℃
    工作环境温度：-20 ℃~+55 ℃
14. Compression torque：≤ 3.00N
    按压扭力：≤3.00N
15. Electrical life：100000 cycles
    电气寿命：100000 cycles
16. mechanical：500000cycles
    机械寿命：500000cycles
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. NO reverse thrust foot torque：≤30N
    NO反推脚扭力：≤30N

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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	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	

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