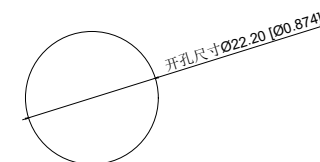


Single color electrical schematic diagram  
单色电气原理图



Installation View  
安装视图

|     |      |          |             |       |                                                                                     |                  |        |                                   |        |            |                                                                                       |                         |
|-----|------|----------|-------------|-------|-------------------------------------------------------------------------------------|------------------|--------|-----------------------------------|--------|------------|---------------------------------------------------------------------------------------|-------------------------|
| A4  |      |          |             |       |  | COMMON TOLERANCE |        | UNIT                              | MM     | PROJECTED  |  | PRODUCT NAME:           |
| A3  |      |          |             |       |                                                                                     | X.XX             | ± 0.10 | DRAWN BY                          | FUYUAN | CHECKED BY | COCO                                                                                  | MODEL NO: TP92212G124RS |
| A2  |      |          |             |       |                                                                                     | X.X              | ± 0.15 | DATE                              | 2019   | APPROVAL   | B                                                                                     | Https: www.rocpcu.tw    |
| A1  |      |          |             |       |                                                                                     | X                | ± 0.25 | <b>ROC CPU TECHNOLOGY CO.,LTD</b> |        |            |                                                                                       |                         |
| REV | DATE | REVISION | DESCRIPTION | ISSUE |                                                                                     | ANGULAR          | —      |                                   |        |            |                                                                                       |                         |

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| A |                                                                                                                                                                | B |  | C |  | D |                                                           | E |  | F |  | G |  |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|---|--|---|-----------------------------------------------------------|---|--|---|--|---|--|
| 1 | 性能参数                                                                                                                                                           |   |  |   |  |   |                                                           |   |  |   |  |   |  |
|   | 1. Heating current: Ui: AC250V, Ith: 5A<br>发热电流: Ui: AC250V, Ith: 5A                                                                                           |   |  |   |  |   | 13. Electrical life: 100000 cycles<br>电气寿命: 100000 cycles |   |  |   |  |   |  |
|   | 2. Rated current:3A/DC36V<br>额定电流:3A/DC36V                                                                                                                     |   |  |   |  |   | 14. mechanical: 500000cycles<br>机械寿命: 500000cycles        |   |  |   |  |   |  |
|   | 3. Power-frequency withstand voltage:2000V1min<br>工频耐压:2000V1min                                                                                               |   |  |   |  |   | 15. Operation method:Self-locking<br>操作方式: 自锁式            |   |  |   |  |   |  |
|   | 4. Insulation resistance:≥1000MΩ<br>绝缘电阻 :≥1000MΩ                                                                                                              |   |  |   |  |   | 16. LED lamp power consumption: 20m以下<br>LED灯功耗: 20m以下    |   |  |   |  |   |  |
|   | 5. Contact resistance:≤50mΩ<br>接触电阻 :≤50mΩ                                                                                                                     |   |  |   |  |   | 17. LED lamp lifespan: 40000h<br>LED寿命: 40000h            |   |  |   |  |   |  |
|   | 6. Pressing stroke:3.00mm ± 0.10<br>按压行程:3.00mm ± 0.10                                                                                                         |   |  |   |  |   | 18. LED color: Red<br>LED颜色: 红色                           |   |  |   |  |   |  |
|   | 7. Contact stroke:1.50mm±0.10<br>接触行程 :1.50mm±0.10                                                                                                             |   |  |   |  |   | 19. LED Lamp Voltage: 24V<br>LED灯电压: 24V                  |   |  |   |  |   |  |
|   | 8. Nut assembly torque:5-14N<br>螺帽装配力矩:5-14N                                                                                                                   |   |  |   |  |   | 20. NO reverse thrust foot torque: ≤30N<br>NO反推脚扭力: ≤30N  |   |  |   |  |   |  |
|   | 9. Protection level:IP67<br>防护等级:IP67                                                                                                                          |   |  |   |  |   |                                                           |   |  |   |  |   |  |
| 2 | 10. Explosion prevention level: IK10<br>防暴等级: IK10                                                                                                             |   |  |   |  |   |                                                           |   |  |   |  |   |  |
|   | 11. Working environment temperature: -20 ℃~+55 ℃<br>工作环境温度: -20 ℃~+55 ℃                                                                                        |   |  |   |  |   |                                                           |   |  |   |  |   |  |
|   | 12. Compression torque: ≤6N<br>按压扭力: ≤6N                                                                                                                       |   |  |   |  |   |                                                           |   |  |   |  |   |  |
|   | 连接形式                                                                                                                                                           |   |  |   |  |   |                                                           |   |  |   |  |   |  |
|   | 1. Welding temperature of wire: 320 ± 20 ℃<br>线材焊接温度: 320±20℃<br>Wire welding duration: less than 3 seconds<br>线材焊接时长: 时长3秒以下                                  |   |  |   |  |   |                                                           |   |  |   |  |   |  |
|   | 2. Can be used with dedicated connectors:<br>可配专用接插件使用:                                                                                                        |   |  |   |  |   |                                                           |   |  |   |  |   |  |
|   | 2.1 1NO1NCSwitch function wire: green (C) blue wire (NO) yellow wire (NC)<br>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<br>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<br>LED功能线材: 红线正极 黑线负极 LED不分正负极 |   |  |   |  |   |                                                           |   |  |   |  |   |  |
|   |                                                                                                                                                                |   |  |   |  |   |                                                           |   |  |   |  |   |  |
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| A        |  |  |  |  | B                        |  |  |  |  | C                   |  |  |  |  | D         |  |  |  |  | E                  |  |  |  |  | F |  |  |  |  | G |  |  |  |  |
| 材质参数     |  |  |  |  |                          |  |  |  |  |                     |  |  |  |  |           |  |  |  |  |                    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 10       |  |  |  |  | luminous zone<br>发光区     |  |  |  |  | PC<br>塑胶            |  |  |  |  | 1         |  |  |  |  |                    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 9        |  |  |  |  | LEDpin<br>LED引脚          |  |  |  |  | Brass<br>黄铜         |  |  |  |  | 1         |  |  |  |  | Silvering<br>镀银    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 8        |  |  |  |  | Base<br>底座               |  |  |  |  | PA46                |  |  |  |  | 1         |  |  |  |  |                    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 7        |  |  |  |  | Pin<br>引脚                |  |  |  |  | Brass<br>黄铜         |  |  |  |  | 1         |  |  |  |  | gold-plating<br>镀金 |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 6        |  |  |  |  | Contact material<br>接触材质 |  |  |  |  | silver alloy<br>银合金 |  |  |  |  | 1         |  |  |  |  | Silvering<br>镀银    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 5        |  |  |  |  | LED Base<br>LED基座        |  |  |  |  | PC<br>塑胶            |  |  |  |  | 1         |  |  |  |  |                    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 4        |  |  |  |  | Arm nut<br>固定螺帽          |  |  |  |  | Brass<br>黄铜         |  |  |  |  | 1         |  |  |  |  | nickeling<br>镀镍    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 3        |  |  |  |  | Oring<br>O型圈             |  |  |  |  | Silica gel<br>硅胶    |  |  |  |  | 1         |  |  |  |  |                    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 2        |  |  |  |  | Housing<br>外壳            |  |  |  |  | SUS<br>不锈钢          |  |  |  |  | 1         |  |  |  |  |                    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 1        |  |  |  |  | Key<br>按键                |  |  |  |  | SUS<br>不锈钢          |  |  |  |  | 1         |  |  |  |  |                    |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| NO<br>序号 |  |  |  |  | Part name<br>部件名         |  |  |  |  | Material<br>材料      |  |  |  |  | QTY<br>数量 |  |  |  |  | Remark<br>备注       |  |  |  |  |   |  |  |  |  |   |  |  |  |  |

|                                                                                                                                                           |      |          |             |                                                                                                     |                  |         |                           |        |            |                                                                                       |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-------------|-----------------------------------------------------------------------------------------------------|------------------|---------|---------------------------|--------|------------|---------------------------------------------------------------------------------------|-------------------------|
| A4                                                                                                                                                        |      |          |             | <br>台普<br>ROC PU | COMMON TOLERANCE |         | UNIT                      | MM     | PROJECTED  |  | PRODUCT NAME:           |
| A3                                                                                                                                                        |      |          |             |                                                                                                     | X.XX             | ± 0.10  | DRAWN BY                  | FUYUAN | CHECKED BY | COCO                                                                                  | MODEL NO: TP92212G124RS |
| A2                                                                                                                                                        |      |          |             |                                                                                                     | X.X              | ± 0.15  | DATE                      | 2019   | APPROVAL B | ALEN                                                                                  | Https: www.rocpcu.tw    |
| A1                                                                                                                                                        |      |          |             |                                                                                                     | X                | ± 0.25  | ROC PU TECHNOLOGY CO.,LTD |        |            |                                                                                       |                         |
| REV                                                                                                                                                       | DATE | REVISION | DESCRIPTION |                                                                                                     | ISSUE            | ANGULAR |                           |        |            |                                                                                       |                         |
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