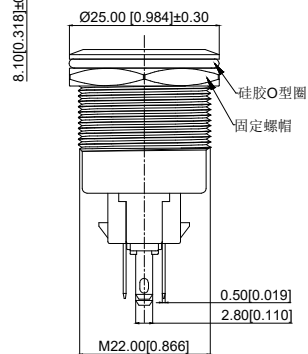
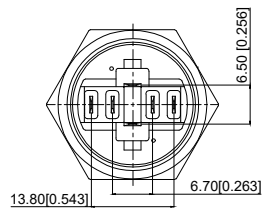
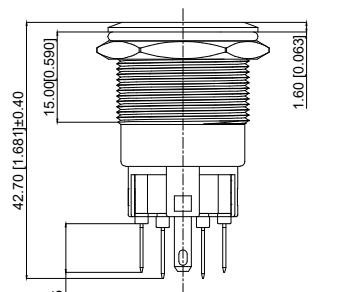
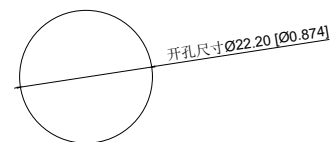
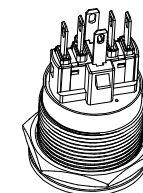


Single color electrical schematic diagram  
单色电气原理图



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

FUYUAN

CHECKED BY

COCO

MODEL NO: TP92225P224RA5150

DATE

2019

APPROVAL B

ALEN

Https: www.rocpcu.tw

ROCPCU TECHNOLOGY CO.,LTD

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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 repeating form<br>操作方式: 自复式                               |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
| 2   | 4. Insulation resistance:≥1000MΩ<br>绝缘电阻 :≥1000MΩ                                                                                                              |          |             | 16. Power-frequency withstand voltage: 2000V/1min<br>工频耐压: 2000V/1min               |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     | 5. Contact resistance:≤50mΩ<br>接触电阻 :≤50mΩ                                                                                                                     |          |             | 17. LED lamp power consumption: 20m以下<br>LED灯功耗: 20m以下                              |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     | 6. Pressing stroke:2.80mm ± 0.10<br>按压行程:2.80mm ± 0.10                                                                                                         |          |             | 18. LED lamp lifespan: 40000h<br>LED寿命: 40000h                                      |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     | 7. Contact stroke:1.50mm±0.10<br>接触行程 :1.50mm±0.10                                                                                                             |          |             | 19. LED color: Red<br>LED颜色: 红色                                                     |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
| 3   | 8. Nut assembly torque:5-14N<br>螺帽装配力矩:5-14N                                                                                                                   |          |             | 20. LED Lamp Voltage: 24V<br>LED灯电压: 24V                                            |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     | 9. Protection level:IP67<br>防护等级:IP67                                                                                                                          |          |             | 21. NO reverse thrust foot torque: ≤30N<br>NO反推脚扭力: ≤30N                            |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     | 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 ℃                                                                                        |          |             |                                                                                     |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
| 4   | 12. Compression torque: ≤ 3.5N<br>按压扭力: ≤3.5N                                                                                                                  |          |             |                                                                                     |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     | 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:                                                                                                        |          |             |                                                                                     |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
| 5   | 2.1 Switch function wire: green (C) blue wire (NO) yellow wire (NC)<br>开关功能线材: 绿色(C) 蓝线 (NO) 黄线 (NC)                                                           |          |             |                                                                                     |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     | 2.2 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 |          |             |                                                                                     |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     |                                                                                                                                                                |          |             |                                                                                     |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     |                                                                                                                                                                |          |             |                                                                                     |                  |   |                                                                                                                                                          |        |            |                                                                                       |                             |
| A4  |                                                                                                                                                                |          |             |  | COMMON TOLERANCE |   | UNIT                                                                                                                                                     | MM     | PROJCTED   |  | PRODUCT NAME:               |
| A3  |                                                                                                                                                                |          |             |                                                                                     |                  |   | DRAWN BY                                                                                                                                                 | FUYUAN | CHECKED BY | COCO                                                                                  | MODEL NO: TP92225P224RA5150 |
| A2  |                                                                                                                                                                |          |             |                                                                                     | X.XX ± 0.10      |   | DATE                                                                                                                                                     | 2019   | APPROVAL B | ALEN                                                                                  | Https: www.rocpu.tw         |
| A1  |                                                                                                                                                                |          |             |                                                                                     | X.X ± 0.15       |   | ROCPU TECHNOLOGY CO.,LTD                                                                                                                                 |        |            |                                                                                       |                             |
| REV | DATE                                                                                                                                                           | REVISION | DESCRIPTION | ISSUE                                                                               | X ± 0.25         |   |                                                                                                                                                          |        |            |                                                                                       |                             |
|     |                                                                                                                                                                |          |             |                                                                                     | ANGULAR          | — | Copies are issued in strict confidence and shall not be reproduced or copied,or used as the basic of manufacture or sale of apparatus without permission |        |            |                                                                                       |                             |
|     | A                                                                                                                                                              |          | B           |                                                                                     | C                |   | D                                                                                                                                                        | E      |            | F                                                                                     | G                           |

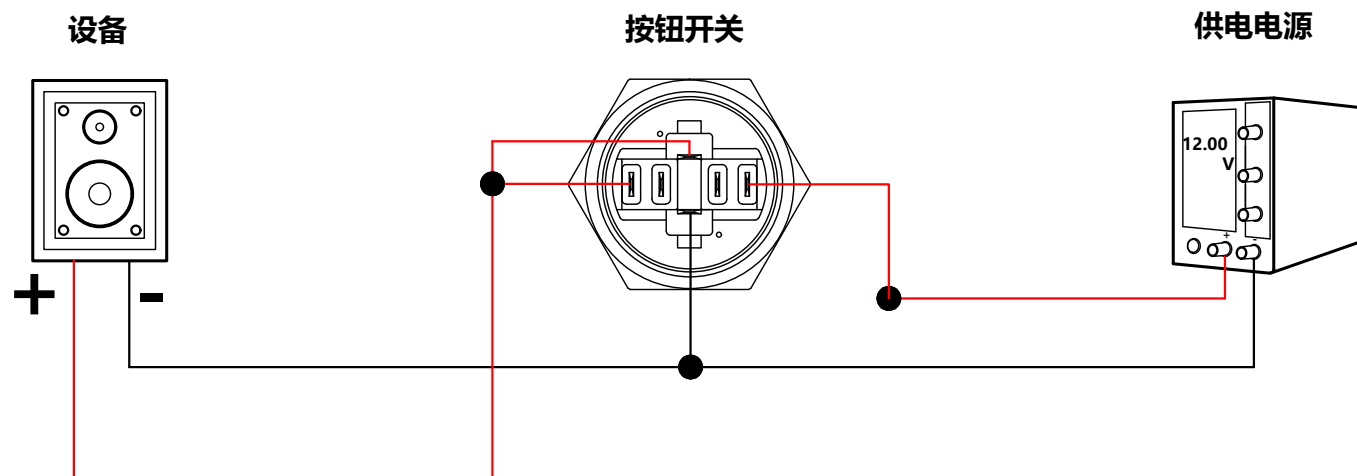
|          |                          |   |  |                       |  |   |           |   |  |                         |  |   |  |
|----------|--------------------------|---|--|-----------------------|--|---|-----------|---|--|-------------------------|--|---|--|
| A        |                          | 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               |   |  | PA66                  |  |   | 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         |   |  |                         |  |   |  |
| 5        | LED Base<br>LED基座        |   |  | PA66                  |  |   | 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            |   |  | Aluminum alloy<br>铝合金 |  |   | 1         |   |  | Oxidized/Black<br>氧化/黑色 |  |   |  |
| 1        | Key<br>按键                |   |  | Aluminum alloy<br>铝合金 |  |   | 1         |   |  | Oxidized/Black<br>氧化/黑色 |  |   |  |
| 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>ROCPCU | COMMON TOLERANCE |        | UNIT   | MM                                                                                                                                                       | PROJECTED                 |  | PRODUCT NAME:        |                             |  |
| A3  |      |          |             |                                                                                                     |                  |        |        | DRAWN BY                                                                                                                                                 | FUYUAN                    | CHECKED BY                                                                            | COCO                 | MODEL NO: TP92225P224RA5150 |  |
| A2  |      |          |             |                                                                                                     |                  |        | DATE   | 2019                                                                                                                                                     | APPROVAL B                | ALEN                                                                                  | Https: www.rocpcu.tw |                             |  |
| A1  |      |          |             |                                                                                                     |                  | X.XX   | ± 0.10 |                                                                                                                                                          | ROCPCU TECHNOLOGY CO.,LTD |                                                                                       |                      |                             |  |
| REV | DATE | REVISION | DESCRIPTION |                                                                                                     | ISSUE            | X.X    | ± 0.15 |                                                                                                                                                          |                           |                                                                                       |                      |                             |  |
|     |      |          |             | X                                                                                                   |                  | ± 0.25 |        |                                                                                                                                                          |                           |                                                                                       |                      |                             |  |
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| A   |      | B        |             | C                                                                                                   |                  | D      |        | E                                                                                                                                                        |                           | F                                                                                     |                      | G                           |  |

|     |      |          |             |                                                                                                              |                  |      |                                                                                                                                                           |                           |            |                                                                                       |                             |                      |  |   |  |   |  |
|-----|------|----------|-------------|--------------------------------------------------------------------------------------------------------------|------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|---------------------------------------------------------------------------------------|-----------------------------|----------------------|--|---|--|---|--|
| A4  |      |          |             |  <div>台普<br/>ROCPCU</div> | COMMON TOLERANCE |      | UNIT                                                                                                                                                      | MM                        | PROJECTED  |  | PRODUCT NAME:               |                      |  |   |  |   |  |
| A3  |      |          |             |                                                                                                              |                  |      | DRAWN BY                                                                                                                                                  | FUYUAN                    | CHECKED BY | COCO                                                                                  | MODEL NO: TP92225P224RA5150 |                      |  |   |  |   |  |
| A2  |      |          |             |                                                                                                              |                  | X.XX | ± 0.10                                                                                                                                                    | DATE                      | 2019       | APPROVAL B                                                                            | ALEN                        | Https: www.rocpcu.tw |  |   |  |   |  |
| A1  |      |          |             |                                                                                                              |                  | X.X  | ± 0.15                                                                                                                                                    | ROCPCU TECHNOLOGY CO.,LTD |            |                                                                                       |                             |                      |  |   |  |   |  |
| REV | DATE | REVISION | DESCRIPTION |                                                                                                              | ISSUE            | X    | ± 0.25                                                                                                                                                    |                           |            |                                                                                       |                             |                      |  |   |  |   |  |
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|     |      |          |             | A                                                                                                            |                  | B    |                                                                                                                                                           | C                         |            | D                                                                                     |                             | E                    |  | F |  | G |  |

|   |                                                                                                                                                                                                                                                                                                         |      |          |             |                                                                                                                  |                  |        |                                                                                                                                                          |        |            |                                                                                       |                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-------------|------------------------------------------------------------------------------------------------------------------|------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|---------------------------------------------------------------------------------------|-----------------------------|
|   | A                                                                                                                                                                                                                                                                                                       | B    | C        | D           | E                                                                                                                | F                | G      |                                                                                                                                                          |        |            |                                                                                       |                             |
| 1 | <div>性能参数</div> <div>1.L1-导线长度：默认150MM长；</div> <div>2.L2-线头长度：默认10MM</div> <div>3.L3-剥头长度：默认3MM</div> <div>4.S-导线导体横截面积：默认0.5平方MM、可选0.3平方MM</div> <div>5.线型拉力N：（0.15-0.25MM<sup>2</sup>）≤30N、（0.3MM<sup>2</sup>）≤40N、（0.5MM<sup>2</sup>）≤50N、（0.75MM<sup>2</sup>）≤60N</div> <div>6.需要其他线长、线型、可以定制</div> |      |          |             |                                                                                                                  |                  |        |                                                                                                                                                          |        |            |                                                                                       |                             |
| 2 | <div>材质参数</div> <div>1.插壳：浅蓝色尼龙胶壳</div> <div>2.端子：磷铜y镀锡色</div> <div>3.导电线材：紫铜</div>                                                                                                                                                                                                                     |      |          |             |                                                                                                                  |                  |        |                                                                                                                                                          |        |            |                                                                                       |                             |
| 3 | <div>线束使用说明</div> <div>1.2线：用于单色的指示灯、无开关功能</div> <div>2.4线：用于1N01NC开关、无指示灯功能</div> <div>3.6线：用于1N01NC、单色指示灯带开关功能</div>                                                                                                                                                                                  |      |          |             |                                                                                                                  |                  |        |                                                                                                                                                          |        |            |                                                                                       |                             |
| 4 |                                                                                                                                                                                                                                                                                                         |      |          |             |                                                                                                                  |                  |        |                                                                                                                                                          |        |            |                                                                                       |                             |
| 5 | A4                                                                                                                                                                                                                                                                                                      |      |          |             | <div></div> <div>ROCPCU</div> | COMMON TOLERANCE |        | UNIT                                                                                                                                                     | MM     | PROJECTED  |  | PRODUCT NAME:               |
|   | A3                                                                                                                                                                                                                                                                                                      |      |          |             |                                                                                                                  |                  |        | DRAWN BY                                                                                                                                                 | FUYUAN | CHECKED BY | COCO                                                                                  | MODEL NO: TP92225P224RA5150 |
|   | A2                                                                                                                                                                                                                                                                                                      |      |          |             |                                                                                                                  | X.XX             | ± 0.10 | DATE                                                                                                                                                     | 2019   | APPROVAL B | ALEN                                                                                  | Https: www.rocpcu.tw        |
|   | A1                                                                                                                                                                                                                                                                                                      |      |          |             |                                                                                                                  | X.X              | ± 0.15 | ROCPCU TECHNOLOGY CO.,LTD                                                                                                                                |        |            |                                                                                       |                             |
|   | REV                                                                                                                                                                                                                                                                                                     | DATE | REVISION | DESCRIPTION |                                                                                                                  | ISSUE            | X      |                                                                                                                                                          |        |            |                                                                                       |                             |
|   |                                                                                                                                                                                                                                                                                                         |      |          |             |                                                                                                                  | ANGULAR          | —      | Copies are issued in strict confidence and shall not be reproduced or copied,or used as the basic of manufacture or sale of apparatus without permission |        |            |                                                                                       |                             |
|   | A                                                                                                                                                                                                                                                                                                       | B    | C        | D           | E                                                                                                                | F                | G      |                                                                                                                                                          |        |            |                                                                                       |                             |

# 22MM系列单色按钮开关接线说明



## 接线说明:

- 1、供电电源的负极、设备的负极、按钮开关的LED负极，并接一起。
- 2、供电电源的正极，按钮开关的最右边一只NO脚，并接一起。
- 3、设备的正极，按钮开关的最左边一只NO脚、按钮开关的LED正极，并接一起。

## 实现功能:

- 1、按钮开关**按下去**时: 设备**通电**, 按钮开关LED**灯亮**。
- 2、按钮开关**按回去**时: 设备**断电**, 按钮开关LED**灯灭**。

**注: 说明图的电压为接线参考使用, 电源电压根据实际供电电压为准。**

**红线为正极 (火线)**  
**黑线为负极 (零线)**

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