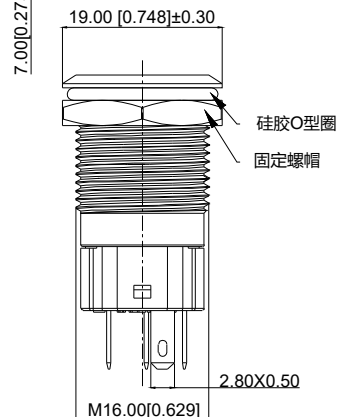
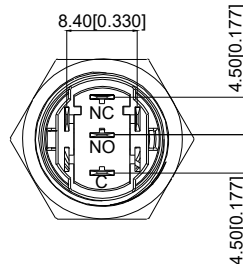
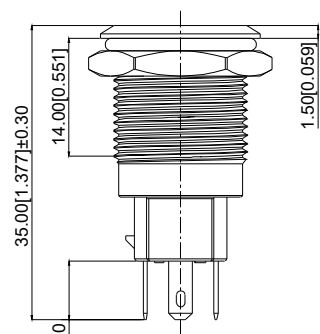
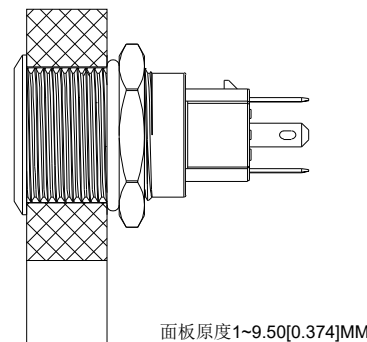
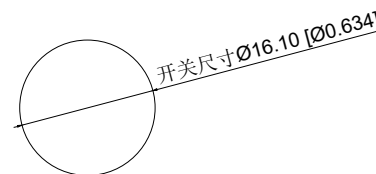


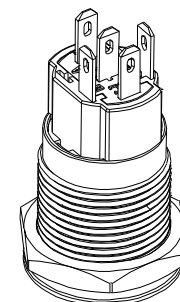
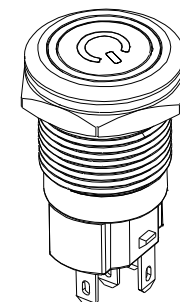
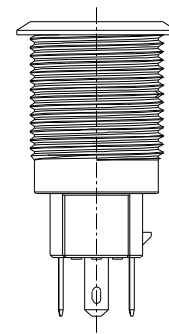
Single color electrical schematic diagram  
单色电气原理图



面板原度1~9.50[0.374]MM



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          |
| DATE     | 2019   | APPROVAL B | ALEN          |

ROCPCU TECHNOLOGY CO.,LTD

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|   |                                                                                                                                                                                                                                                                                                                                            |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        |                                                                         |                                                                                       |                         |  |   |   |   |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-------------|------------------------------------------------------------------------------------------------------|------------------|--------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------|--|---|---|---|
| A |                                                                                                                                                                                                                                                                                                                                            |      |          |             | B                                                                                                    |                  | C      |                           | D                                                                                                                                                        |        | E                                                                       |                                                                                       | F                       |  | G |   |   |
| 1 | 性能参数                                                                                                                                                                                                                                                                                                                                       |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        | 13. Working environment temperature: -20 ℃~+55 ℃<br>工作环境温度: -20 ℃~+55 ℃ |                                                                                       |                         |  |   |   | 1 |
|   | 1. Heating current: Ui: AC250V, Ith: 5A<br>发热电流: Ui: AC250V, Ith: 5A                                                                                                                                                                                                                                                                       |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        | 14. Compression torque: ≤ 3.5N<br>按压扭力: ≤3.5N                           |                                                                                       |                         |  |   |   |   |
|   | 2. Rated current:3A/DC36V<br>额定电流:3A/DC36V                                                                                                                                                                                                                                                                                                 |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        | 15. Electrical life: 500000 cycles<br>电气寿命: 500000 cycles               |                                                                                       |                         |  |   |   |   |
|   | 3. Power-frequency withstand voltage:2000V1min<br>工频耐压:2000V1min                                                                                                                                                                                                                                                                           |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        | 16. mechanical: 500000cycles<br>机械寿命: 500000cycles                      |                                                                                       |                         |  |   |   |   |
| 2 | 4. Insulation resistance:≥1000MΩ<br>绝缘电阻 :≥1000MΩ                                                                                                                                                                                                                                                                                          |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        | 17. Operation method:Self repeating form<br>操作方式: 自复式                   |                                                                                       |                         |  |   |   | 2 |
|   | 5. Contact resistance:≤50mΩ<br>接触电阻 :≤50mΩ                                                                                                                                                                                                                                                                                                 |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        | 18. NO reverse thrust foot torque: ≤30N<br>NO反推脚扭力: ≤30N                |                                                                                       |                         |  |   |   |   |
|   | 6. Pressing stroke:2.80mm ± 0.10<br>按压行程:2.80mm ± 0.10                                                                                                                                                                                                                                                                                     |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        | 19. LED lamp power consumption: 20m以下<br>LED灯功耗: 20m以下                  |                                                                                       |                         |  |   |   |   |
|   | 7. Contact stroke:1.50mm±0.10<br>接触行程 :1.50mm±0.10                                                                                                                                                                                                                                                                                         |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        | 20. LED lamp lifespan: 40000h<br>LED寿命: 40000h                          |                                                                                       |                         |  |   |   |   |
| 3 | 8. welding temperature: 320 ℃± 20 ℃<br>焊接温度: 320 ℃± 20 ℃                                                                                                                                                                                                                                                                                   |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        | 21. LED color: Green<br>LED颜色: 绿色                                       |                                                                                       |                         |  |   |   | 3 |
|   | 9. Welding duration: Less than 3 seconds in duration<br>焊接时长: Less than 3 seconds in duration                                                                                                                                                                                                                                              |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        |                                                                         |                                                                                       |                         |  |   |   |   |
|   | 10. Nut assembly torque:5-14N<br>螺帽装配力矩:5-14N                                                                                                                                                                                                                                                                                              |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        |                                                                         |                                                                                       |                         |  |   |   |   |
|   | 11. Protection level:IP67<br>防护等级:IP67                                                                                                                                                                                                                                                                                                     |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        |                                                                         |                                                                                       |                         |  |   |   |   |
| 4 | 12. Explosion prevention level: IK09<br>防暴等级: IK09                                                                                                                                                                                                                                                                                         |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        |                                                                         |                                                                                       |                         |  |   |   | 4 |
|   | 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:<br>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)<br>2.2 LED functional wire: red wire positive pole, black wire negative pole, LED without distinction between positive and negative poles<br>LED功能线材: 红线正极, 黑线负极, LED不分正负极 |      |          |             |                                                                                                      |                  |        |                           |                                                                                                                                                          |        |                                                                         |                                                                                       |                         |  |   |   |   |
| 5 | A4                                                                                                                                                                                                                                                                                                                                         |      |          |             | <br>台 普<br>ROC PU | COMMON TOLERANCE |        | UNIT                      |                                                                                                                                                          | MM     | PROJECTED                                                               |  | PRODUCT NAME:           |  |   | 5 |   |
|   | A3                                                                                                                                                                                                                                                                                                                                         |      |          |             |                                                                                                      |                  |        | DRAWN BY                  |                                                                                                                                                          | FUYUAN | CHECKED BY                                                              | COCO                                                                                  | MODEL NO: TP91651P224GS |  |   |   |   |
|   | A2                                                                                                                                                                                                                                                                                                                                         |      |          |             |                                                                                                      | X.XX             | ± 0.10 | DATE                      |                                                                                                                                                          | 2019   | APPROVAL B                                                              | ALEN                                                                                  | Https: www.rocpu.tw     |  |   |   |   |
|   | A1                                                                                                                                                                                                                                                                                                                                         |      |          |             |                                                                                                      | X.X              | ± 0.15 | ROC PU 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 |  |
| 材质参数     |                          |   |  |                     |  |           |  |                    |  |   |  |   |  |
| 10       | luminous zone<br>发光区     |   |  | PC<br>塑料            |  | 1         |  |                    |  |   |  |   |  |
| 9        | LEDpin<br>LED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底座        |   |  | PBT                 |  | 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                                                                                                                                                       |      |          |             |  <div>台普</div> <div>ROCPSU</div> | COMMON TOLERANCE          |      | UNIT       | MM     | PROJCTED             |  | PRODUCT NAME:           |       |  |
| A3                                                                                                                                                       |      |          |             |                                                                                                                     |                           |      | DRAWN BY   | FUYUAN | CHECKED BY           | COCO                                                                                  | MODEL NO: TP91651P224GS |       |  |
| A2                                                                                                                                                       |      |          |             |                                                                                                                     | DATE                      | 2019 | APPROVAL B | ALEN   | Https: www.rocpsu.tw |                                                                                       |                         |       |  |
| A1                                                                                                                                                       |      |          |             |                                                                                                                     | ROCPSU TECHNOLOGY CO.,LTD |      |            |        |                      |                                                                                       |                         |       |  |
| REV                                                                                                                                                      | DATE | REVISION | DESCRIPTION |                                                                                                                     |                           |      |            |        |                      |                                                                                       |                         | ISSUE |  |
| A                                                                                                                                                        |      | B        |             | C                                                                                                                   |                           | D    |            | E      |                      | F                                                                                     |                         | G     |  |
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