

|     |      |          |             |       |
|-----|------|----------|-------------|-------|
| 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  | SHUHAO | CHECKED BY | COCO   | MODEL NO: TP91912P <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| DATE  | 2019   | APPROVAL   | B ALEN | Https: <a href="https://www.rocpcu.tw">www.rocpcu.tw</a>   |
| <b>ROCPCU TECHNOLOGY CO., LTD</b>   |        |            |        |  |
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|   |  |      |          |  |                                 |        |            |      |  |       |
|---|--|------|----------|--|---------------------------------|--------|------------|------|--|-------|
|   | A  | B    | C        | D  | E                               | F      | G          |      |  |       |
| 1 | <p>TP91912P <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><b>Operation method</b></p> <p>1:Self-locking<br/>2:Self-compound</p> <p><b>LED voltage</b></p> <p>3: 3V<br/>6: 6V<br/>12: 12V<br/>24: 24V<br/>36: 36V<br/>48: 48V<br/>60: 60V<br/>110: 110V<br/>220: 220V</p> <p><b>Material</b></p> <p>A: Aluminum alloy<br/>S: Stainless steel<br/>B: Brass</p> <p><b>LED Color</b></p> <p>R:Red<br/>Y:Yellow<br/>G:Green<br/>B:Blue<br/>W:White<br/>O:Orange</p>  |      |          | <p>连接形式</p> <ol style="list-style-type: none"> <li>Welding temperature of wire: 320 ± 20 °C<br/>线材焊接温度: 320±20°C<br/>Wire welding duration: less than 3 seconds<br/>线材焊接时长: 时长3秒以下</li> <li>Can be used with dedicated connectors:<br/>可配专用接插件使用: <ol style="list-style-type: none"> <li>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)</li> <li>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)</li> <li>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</li> </ol> </li> </ol> |                                 |        |            | 1    |  |       |
| 2 |  |      |          |  |                                 |        |            | 2    |  |       |
| 3 | <p>性能参数</p> <ol style="list-style-type: none"> <li>Heating current: Ui: AC250V, Ith: 5A<br/>发热电流: Ui: AC250V, Ith: 5A</li> <li>Rated current:3A/DC36V<br/>额定电流:3A/DC36V</li> <li>Power-frequency withstand voltage:2000V1min<br/>工频耐压:2000V1min</li> <li>Insulation resistance:≥1000MΩ<br/>绝缘电阻 :≥1000MΩ</li> <li>Contact resistance:≤50mΩ<br/>接触电阻 :≤50mΩ</li> <li>Pressing stroke:2.50mm ± 0.10<br/>按压行程:2.50mm ± 0.10</li> <li>Contact stroke:1.50mm±0.10<br/>接触行程 :1.50mm±0.10</li> <li>Nut assembly torque:5-14N<br/>螺帽装配力矩:5-14N</li> <li>Protection level:IP67</li> </ol> |      |          | <p>防护等级:IP67</p> <ol style="list-style-type: none"> <li>Explosion prevention level: IK10<br/>防暴等级: IK10</li> <li>Working environment temperature: -20 °C~+55 °C<br/>工作环境温度: -20 °C~+55 °C</li> <li>Compression torque: ≤ 6N<br/>按压扭力: ≤6N</li> <li>Electrical life: 500000 cycles<br/>电气寿命: 500000 cycles</li> <li>mechanical: 500000cycles<br/>机械寿命: 500000cycles</li> <li>NO reverse thrust foot torque: ≤30N<br/>NO反推脚扭力: ≤30N</li> <li>LED lamp power consumption: 20m以下<br/>LED灯功耗: 20m以下</li> <li>LED lamp lifespan: 40000h<br/>LED寿命: 40000h</li> </ol>   |                                 |        |            | 3    |  |       |
| 4 |  |      |          |  |                                 |        |            | 4    |  |       |
| 5 | A4   |      |          |  | UNIT                            | MM     | PROJECTED  |      | PRODUCT NAME:  | 5     |
|   | A3   |      |          |  | DRAWN BY                        | SHUHAO | CHECKED BY | COCO | MODEL NO: TP91912P <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |       |
|   | A2   |      |          |  | DATE                            | 2019   | APPROVAL B | ALEN | Https: www.rocpu.tw  |       |
|   | A1   |      |          |  | <b>ROCPU TECHNOLOGY CO.,LTD</b> |        |            |      |  |       |
|   | REV  | DATE | REVISION | DESCRIPTION  |                                 |        |            |      |  | ISSUE |
|   |  | A    | B        | C  | D                               | E      | F          | G    |  |       |





COMMON TOLERANCE

|         |        |
|---------|--------|
| X.XX    | ± 0.10 |
| X.X     | ± 0.15 |
| X       | ± 0.25 |
| ANGULAR | —      |

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| NO<br>序号 | Part name<br>部件名         | Material<br>材料                         | QTY<br>数量 | Remark<br>备注       |
|----------|--------------------------|--|-----------|--------------------|
| 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基座        | PC<br>塑料                               | 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/Aluminum alloy/Brass<br>不锈钢/铝合金/黄铜 | 1         |                    |
| 1        | Key<br>按键                | SUS/Aluminum alloy/Brass<br>不锈钢/铝合金/黄铜 | 1         |                    |

|     |      |          |             |   |                  |         |                           |        |            |   |                        |
|-----|------|----------|-------------|---|------------------|---------|---------------------------|--------|------------|---|------------------------|
| A4  |      |          |             | <br><b>台普</b><br><b>ROCPCU</b> | COMMON TOLERANCE |         | UNIT                      | MM     | PROJECTED  |  | PRODUCT NAME:          |
| A3  |      |          |             |   | X.XX             | ± 0.10  | DRAWN BY                  | SHUHAO | CHECKED BY | COCO  | MODEL NO: TP91912P□□□□ |
| A2  |      |          |             |   | X.X              | ± 0.15  | DATE                      | 2019   | APPROVAL B | ALEN  | Https: www.rocpu.tw    |
| A1  |      |          |             |   | X                | ± 0.25  | ROCPCU TECHNOLOGY CO.,LTD |        |            |   |                        |
| REV | DATE | REVISION | DESCRIPTION |   | ISSUE            | ANGULAR |                           |        |            |   |                        |