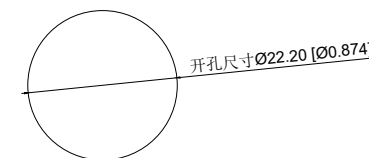


Single color electrical schematic diagram  
单色电气原理图



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: TP92205P224RS

DATE

2019

APPROVAL B

ALEN

Https: www.roc pu. tw

ROC PU TECHNOLOGY CO.,LTD

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|   |                                                                                                                                                                |      |                      |                                                                                     |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------|-------------------------------------------------------------------------------------|------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|---------------------------------------------------------------------------------------|-------------------------|
|   | A                                                                                                                                                              | B    | C                    | D                                                                                   | E                | F      | G                                                                                                                                                        |        |            |                                                                                       |                         |
| 1 | 性能参数                                                                                                                                                           |      |                      |                                                                                     |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
|   | 1. Heating current: Ui: AC250V, lth: 5A<br>发热电流: Ui: AC250V, lth: 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                               |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
|   | 4. Insulation resistance:≥1000MΩ<br>绝缘电阻 :≥1000MΩ                                                                                                              |      |                      | 16. Power-frequency withstand voltage: 2000V/1min<br>工频耐压: 2000V/1min               |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
| 2 | 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:2.50mm ± 0.10<br>按压行程:2.50mm ± 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                                                     |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
|   | 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                                                                                                             |      |                      |                                                                                     |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
| 3 | 11. Working environment temperature: -20 ℃~+55 ℃<br>工作环境温度: -20 ℃~+55 ℃                                                                                        |      |                      |                                                                                     |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
|   | 12. Compression torque: ≤ 4N<br>按压扭力: ≤4N                                                                                                                      |      |                      |                                                                                     |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
|   | 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                                  |      |                      |                                                                                     |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
| 4 | 2. Can be used with dedicated connectors:<br>可配专用接插件使用:                                                                                                        |      |                      |                                                                                     |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
|   | 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 |      |                      |                                                                                     |                  |        |                                                                                                                                                          |        |            |                                                                                       |                         |
| 5 | A4                                                                                                                                                             |      |                      |  | COMMON TOLERANCE |        | UNIT                                                                                                                                                     | MM     | PROJCTED   |  | PRODUCT NAME:           |
|   | A3                                                                                                                                                             |      |                      |                                                                                     |                  |        | DRAWN BY                                                                                                                                                 | FUYUAN | CHECKED BY | COCO                                                                                  | MODEL NO: TP92205P224RS |
|   | 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 |                                                                                                                                                          |        |            |                                                                                       |                         |
|   |                                                                                                                                                                |      |                      |                                                                                     | 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               |   |  | 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        |   |  | 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                                                                                                                                                       |      |          |             |  <div>台普</div> <div>ROCPSU</div> | COMMON TOLERANCE          |      | UNIT       | MM     | PROJCTED             |  | PRODUCT NAME:           |       |         |
| A3                                                                                                                                                       |      |          |             |                                                                                                                     |                           |      | DRAWN BY   | FUYUAN | CHECKED BY           | COCO                                                                                  | MODEL NO: TP92205P224RS |       |         |
| A2                                                                                                                                                       |      |          |             |                                                                                                                     | DATE                      | 2019 | APPROVAL B | ALEN   | Https: www.rocpsu.tw |                                                                                       |                         |       |         |
| A1                                                                                                                                                       |      |          |             |                                                                                                                     | ROCPSU TECHNOLOGY CO.,LTD |      |            |        |                      |                                                                                       |                         |       |         |
| REV                                                                                                                                                      | DATE | REVISION | DESCRIPTION |                                                                                                                     |                           |      |            |        |                      |                                                                                       |                         | ISSUE | ANGULAR |
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| A                                                                                                                                                        |      | B        |             | C                                                                                                                   |                           | D    |            | E      |                      | F                                                                                     |                         | G     |         |