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FOR-1755 Rev.1.6

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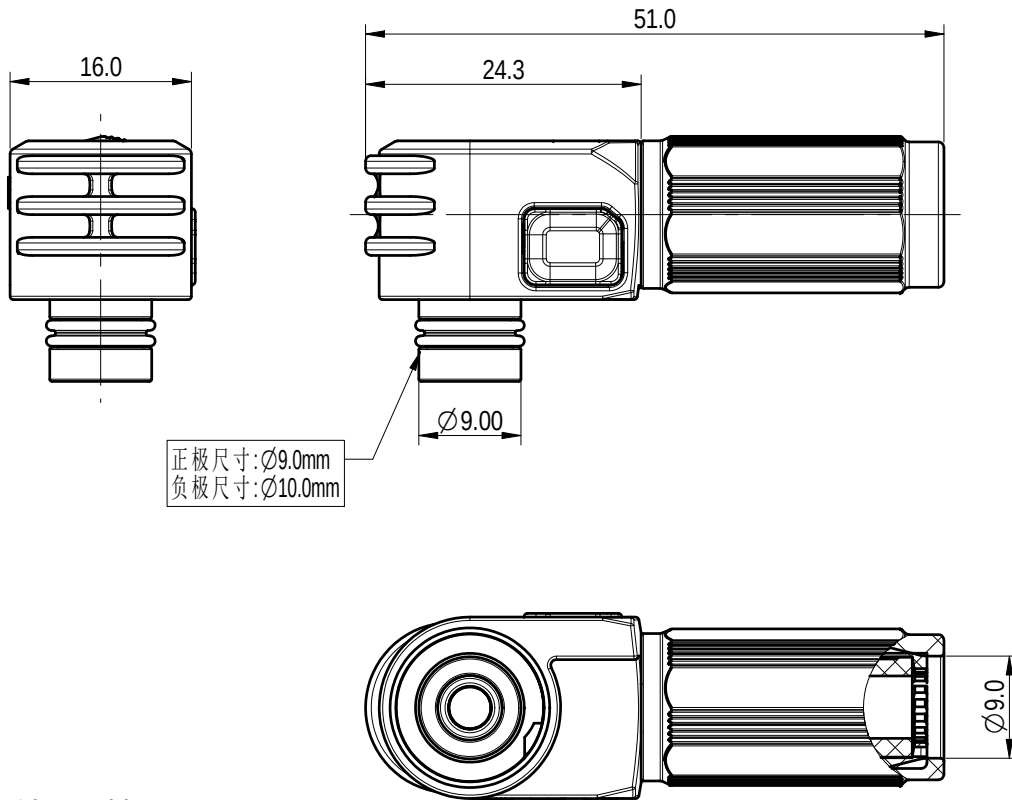
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正极尺寸“+”  
负极尺寸“-”



正极尺寸: Ø9.0mm  
负极尺寸: Ø10.0mm

ESP-70A-10-XX-00

Color: BK:Black 负极  
OR:Orange 正极  
RD:Red 正极



| 01  |     |             |      |      |
|-----|-----|-------------|------|------|
| REV | ECN | DESCRIPTION | DRFT | DATE |

|           |  |            |                |                  |                  |
|-----------|--|------------|----------------|------------------|------------------|
|           |  | MATERIAL:  | SURFACE/COLOR: |                  |                  |
| APPD: 刘剑  |  | 2024.01.24 |                | NAME             |                  |
| CHKD: 于进海 |  | 2024.01.21 |                | ESP-70A-10-XX-00 |                  |
| DRFT: 张晓瑶 |  | 2024.01.17 |                | DRAWING NO.      | 200268663        |
|           |  |            |                | TYPE             | CUSTOMER DRAWING |
|           |  |            |                | DRAWING STATUS   | SCALE 1.5:1      |
|           |  |            |                | SHEET 1/1        |                  |

| 尺寸公差(mm) |       |       |       |       |         |
|----------|-------|-------|-------|-------|---------|
| 0        | >30   | >60   | >100  | >150  | 0.05/10 |
| ~30      | ~60   | ~100  | ~150  |       | ±1'     |
| ±0.20    | ±0.30 | ±0.50 | ±0.70 | ±1.00 |         |

|                                             |                                      |
|---------------------------------------------|--------------------------------------|
| 技术要求/Technical requirements:                |                                      |
| 颜色/Color                                    | Black, Orange, Red                   |
| 锁紧方式/Locking method                         | 卡扣(Buckle)                           |
| 接线方式/Terminal                               | Crimp                                |
| 外壳材料/Housing material                       | PA+GF                                |
| 接触件材料/Connector material                    | 铜合金(Copper alloy)                    |
| 插入力/Insertion force                         | 65N Max                              |
| 拔出力/Withdrawal force                        | >10N                                 |
| 插拔次数/Mechanical working life(mating cycles) | 100                                  |
| 接线规格/Wiring specifications                  | 8AWG or 10mm <sup>2</sup>            |
| 线径OD(Wire diameter)                         | 6.5~7.5mm                            |
| 建议剥线长度/Suggested stripping length           | 8~9mm                                |
| 额定电压/Rated voltage                          | 1000V DC                             |
| 额定电流/Rated current                          | 70A                                  |
| 绝缘电阻/Insulate resistance                    | ≥5000MΩ (drying)                     |
| 耐电压/Withstanding voltage                    | 4250V/min                            |
| 接触电阻/Contact resistance                     | ≤0.5mΩ                               |
| 过电压等级/Overvoltage category                  | III                                  |
| 污染等级/Pollution degree                       | 3                                    |
| 防护等级/Ingress protection                     | IP67 (Mated)                         |
| 使用温度范围/Operating temperature(°C)            | -40~+125(including temperature rise) |
| 盐雾/Salt spray                               | 48H                                  |
| 储存温度/Storage temperature(°C)                | -40~+85                              |
| 阻燃等级/Flame retardant ability                | UL94-V0                              |
| 符合RoHS环保要求/Conform to RoHS                  | Yes                                  |
| UL4128认证/UL4128 certification               | E530802                              |
| TUV认证/TUV certification                     | 50581738                             |
| 满足户外使用/Satisfy outdoor use                  | Yes                                  |

