

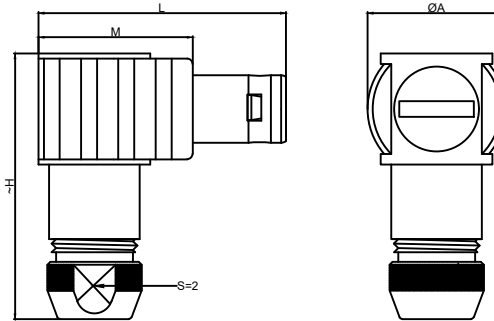
## 1.View and size(视图及尺寸)

| Main technical indicators(主要技术指标) |                                                                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 1.Mating (插拔次数)                   | 5000                                                                                                                         |
| 2.Working Temperature (温度)        | -55~+150 ℃                                                                                                                   |
| 3.IP Rating (防护级别)                | IP 50                                                                                                                        |
| 4.Diameter of socket end(插合端直径)   | $\frac{22.3}{22.7}$ mm                                                                                                       |
| 5.Vtest (AC) /测试电压(交流)            | $\frac{1500}{1500}$ V                                                                                                        |
| 6.Vtest (DC) /测试电压(直流)            | $\frac{2100}{2100}$ V                                                                                                        |
| 7.Rated Current (额定电流)            | $\frac{10}{7}$ A                                                                                                             |
| 8.Shell material(壳体材质)            | Brass (chrome plated ) shell and collet nut, nickel plated brass latch sleeve and mid pieces<br>/黄铜 (镀铬) 外壳和夹头螺母, 镀镍黄铜锁套和中间件 |
| 9.Pin Material(插针材料)              | Copper alloy gold plating(铜合金镀金)                                                                                             |
| 10.Insulator material(绝缘体材质)      | PPS                                                                                                                          |

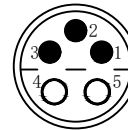
| Sum up(总结)                   |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Series(系列)                   | S                                                                          |
| Shell style/model (外壳样式/型号)  | TLA: Elbow plug, cable collet/弯头插头、电缆夹头                                    |
| Button (按键)                  | Hermaphroditic keying (half moon insert) with male pin 1/带公销1的公母键控 (半月形插入) |
| Termination type (终止类型)      | Male solder(公焊锡)                                                           |
| Line diameter awg(线材直径)      | 30AWG-22AWG                                                                |
| Cable diameter $\phi$ (电缆直径) | $\phi$ 4.3-5.2MM                                                           |
| Matching parts(配套零件)         | ZRA.1S.P05.CL                                                              |

| Sum up(总结)                |                                                       |
|---------------------------|-------------------------------------------------------|
| Humidity (max)/湿度最大       | <=95% [at 60 deg C /140 F]<br>/ <=95%[在60摄氏度/140摄氏度时] |
| Vibration/震动              | 15g [10 Hz - 2000 Hz]                                 |
| Shock Resistance/抗冲击性     | 100 g [ 6 ms]                                         |
| Climatical Category /气候类别 | 50/175/21                                             |
| Salt Spray Corrosion/盐雾测试 | >48 hr />48小时                                         |

|        | A           | B           | C $\sqrt$   | ANGLE   |            |
|--------|-------------|-------------|-------------|---------|------------|
| 5-10   | $\pm$ 0.02  | $\pm$ 0.05  | $\pm$ 0.1   | 0°-30°  | $\pm$ 0.1° |
| 50-100 | $\pm$ 0.1   | $\pm$ 0.15  | $\pm$ 0.2   | 61°-90° | $\pm$ 0.5° |
| 50-100 | $\pm$ 0.15  | $\pm$ 0.2   | $\pm$ 0.25  |         |            |
| 100-   | $\pm$ 0.15% | $\pm$ 0.20% | $\pm$ 0.25% |         |            |



|    | A    | L    | M    | H    | S2   |
|----|------|------|------|------|------|
| MM | 16   | 26.5 | 15.5 | 28.5 | 8.5  |
| in | 0.63 | 1.04 | 0.61 | 1.12 | 0.33 |



Welded surface  
(焊接面)



Solder core  
(焊接型公胶芯)

Model(型号) TLA. 1S. P05.C L A C 52  
Series(系列) TL  
Needle core configuration(针芯配置) 1S  
Outer casing(外壳) P05  
Insulator(绝缘体) C  
Needle core(针芯) L  
Type of clamp(线夹类型) A  
Cable diameter(电缆直径) C 52

| DESIGNED (设计)                    |  | DATE(日期) |                                      | SCALE(比例) | N/A(不适用) | MODEL TYPE<br>型号类型: TLA.1S.P05.CLAC.52 |
|----------------------------------|--|----------|--------------------------------------|-----------|----------|----------------------------------------|
| CHECKED (校对)                     |  | DATE(日期) |                                      | VIEW(视图)  |          | PART NO. 1S5-core plug<br>名称: 1S5芯插头   |
| APPROVED (审核)                    |  | DATE(日期) |                                      | UNIT(单位)  | MM       | DWG NO.:                               |
| REVISIONS                        |  |          | MATERIAL (材料)                        |           |          |                                        |
| www.helloxkb.com www.helloxkb.cn |  |          | XKB INDUSTRIAL PRECISION CO.,LIMITED |           |          | WEIGHT(重量) SHEET(张) REVISION(修订)       |
|                                  |  |          |                                      |           |          | 1/1 A0                                 |