

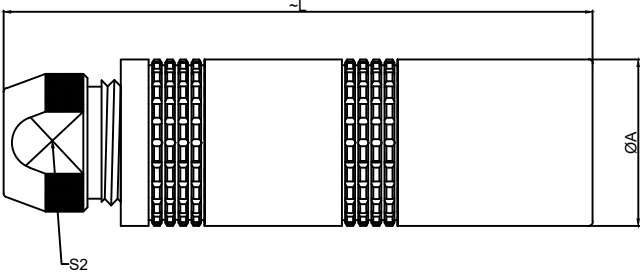
1.View and size(视图及尺寸)

| 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)   | $\frac{\varnothing 2.0}{\varnothing 1.3}$ 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)            | $\frac{18}{14}$ A                                                                                                      |
| 8.Shell material(壳体材质)            | Brass (chrome plated ) shell and collet nut, nickel plated brass latch sleeve and mid pieces /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                                                                                                                    |

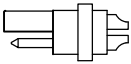
| Sum up(总结)                          |                                                                               |
|-------------------------------------|-------------------------------------------------------------------------------|
| Series(系列)                          | S                                                                             |
| Shell style/model（外壳样式/型号）          | MCA: Free receptacle, cable collet /自式插座，电缆夹头                                 |
| Button（按键）                          | Hermaphroditic keying (half moon insert) with female pin 1/雌雄同体键控（半月形插入），带母销1 |
| Termination type（终止类型）              | Mother solder tin(母焊锡)                                                        |
| Line diameter awg(线材直径)             | 0AWG-20AWG                                                                    |
| Cable diameter $\varnothing$ （电缆直径） | $\varnothing$ 3.3-4.2MM                                                       |
| Matching parts(配套零件)                | TFA.3S.P05.CLAC.42                                                            |

| 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                                        |

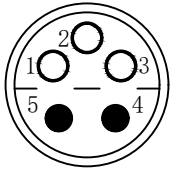
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



|    | A    | L    | S2   |
|----|------|------|------|
| MM | 18.8 | 59   | 14   |
| in | 0.7  | 2.32 | 0.55 |



Welded master rubber core  
(焊接型母胶芯)



Welded surface  
(焊接面)

MCA. 3S. P05.C L L C 42

Model(型号)

Series(系列)

Needle core configuration(针芯配置)

Outer casing(外壳)

Insulator(绝缘体)

Needle core(针芯)

Type of clamp(线夹类型)

Cable diameter(电缆直径)

|                                  |  |          |                                      |               |                                                                                       |                                            |
|----------------------------------|--|----------|--------------------------------------|---------------|---------------------------------------------------------------------------------------|--------------------------------------------|
| DESIGNED(设计)                     |  | DATE(日期) |                                      | SCALE(比额)     | N/A(不适用)                                                                              | MODEL TYPE<br>型号类型: MCA.3S.P05.CLLC.42     |
| CHECKED(校对)                      |  | DATE(日期) |                                      | VIEW(视图)      |  | PART NO. 3S5-core socket<br>名称: 3S5芯插座     |
| 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(表) REVISION(修订)<br>1/1 A0 |