

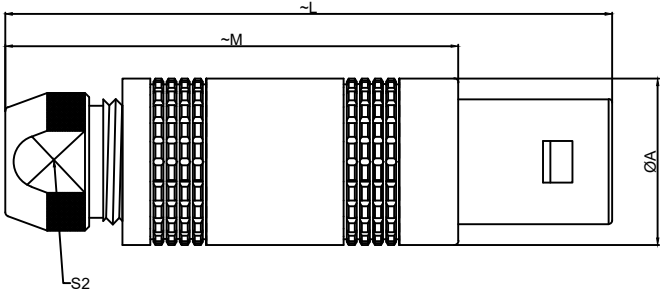
1.View and size(视图及尺寸)

| 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)   | ø0.9MM                                                                                                                 |
| 5.Vtest (AC) /测试电压(交流)            | 1500V                                                                                                                  |
| 6.Vtest (DC) /测试电压(直流)            | 2100V                                                                                                                  |
| 7.Rated Current (额定电流)            | 8A                                                                                                                     |
| 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                                                                                                                    |

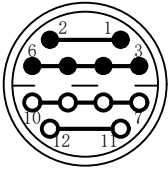
| Sum up(总结)                 |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| Series(系列)                 | S                                                                         |
| Shell style/model（外壳样式/型号） | TFA:Straight plug, cable collet/直插式，电缆线夹                                  |
| 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 diameterø（电缆直径）      | ø9.3-10MM                                                                 |
| Matching parts(配套零件)       | ZRA.3S.P12.CLL                                                            |

| 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                                         |

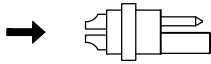
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



|    | A    | L   | M    | S2   |
|----|------|-----|------|------|
| MM | 17.8 | 61  | 46   | 14   |
| in | 0.7  | 2.4 | 1.81 | 0.55 |



Welded surface  
(焊接面)



Solder core  
(焊接型公胶芯)

TFA. 3S. P12.C L A C 10

|                                 |      |     |       |   |   |   |    |
|---------------------------------|------|-----|-------|---|---|---|----|
| Model(型号)                       | TFA. | 3S. | P12.C | L | A | C | 10 |
| Series(系列)                      | TFA. | 3S. | P12.C | L | A | C | 10 |
| Needle core configuration(针芯配置) | TFA. | 3S. | P12.C | L | A | C | 10 |
| Outer casing(外壳)                | TFA. | 3S. | P12.C | L | A | C | 10 |
| Insulator(绝缘体)                  | TFA. | 3S. | P12.C | L | A | C | 10 |
| Needle core(针芯)                 | TFA. | 3S. | P12.C | L | A | C | 10 |
| Type of clamp(线夹类型)             | TFA. | 3S. | P12.C | L | A | C | 10 |
| Cable diameter(电缆直径)            | TFA. | 3S. | P12.C | L | A | C | 10 |

|                                  |  |          |                                      |               |          |                                            |
|----------------------------------|--|----------|--------------------------------------|---------------|----------|--------------------------------------------|
| DESIGNED (设计)                    |  | DATE(日期) |                                      | SCALE(比额)     | N/A(不适用) | MODEL TYPE<br>型号类型: TFA.3S.P12.CLAC.10     |
| CHECKED (校对)                     |  | DATE(日期) |                                      | VIEW(视图)      |          | PART NO. 3S12-core plug<br>名称: 3S12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(表) REVISION(修订)<br>1/1 A0 |