

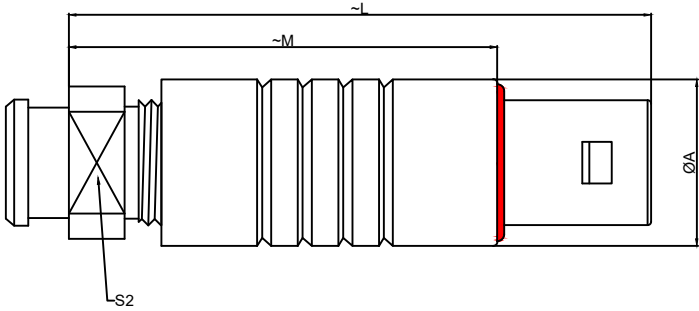
1.View and size(视图及尺寸)

| 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<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                                                                                                                         |

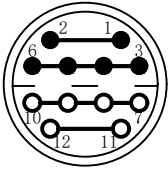
| Sum up(总结)                  |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Series(系列)                  | S                                                                          |
| Shell style/model (外壳样式/型号) | TFE: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)      | ø3.3-4.2MM                                                                 |
| 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                                         |

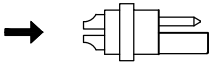
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



|    | A    | L   | M    | S2   |
|----|------|-----|------|------|
| MM | 19   | 61  | 46   | 14   |
| in | 0.75 | 2.4 | 1.81 | 0.55 |



Welded surface  
(焊接面)



Solder core  
(焊接型公胶芯)

TFE. 3S. P12.C L A C 42 H

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)

SH means a sheath type, not a cover type.

(H表示护套型, 不表示为不带护套型)

|                                  |  |          |                                      |               |          |                                            |
|----------------------------------|--|----------|--------------------------------------|---------------|----------|--------------------------------------------|
| DESIGNED (设计)                    |  | DATE(日期) |                                      | SCALE(比额)     | N/A(不适用) | MODEL TYPE<br>型号类型: TFE.3S.P12.CLAC.42H    |
| 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 |