

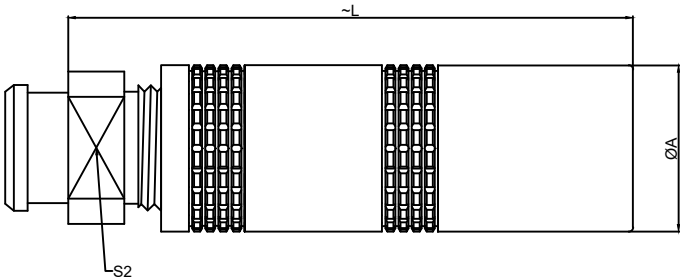
1.View and size(视图及尺寸)

| 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)            | 1000V                                                                                                                     |
| 6.Vtest (DC) /测试电压(直流)            | 1500V                                                                                                                     |
| 7.Rated Current (额定电流)            | 6A                                                                                                                        |
| 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                                                                                                                       |

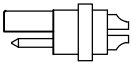
| Sum up(总结)                  |                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------|
| Series(系列)                  | S                                                                               |
| 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)     | 30AWG-22AWG                                                                     |
| Cable diameterø (电缆直径)      | ø6.3-7.2MM                                                                      |
| Matching parts(配套零件)        | TFA.3S.P18.CLAC.72                                                              |

| 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                                         |

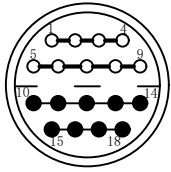
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



|    | A    | L    | S2   |
|----|------|------|------|
| MM | 17.8 | 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. P18.C L L C 72 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: MCA.3S.P18.CLLC.72H  |     |    |
| CHECKED (校对)                     |  | DATE(日期)                             |  | VIEW(视图)      |  | PART NO. 3S18-core socket<br>名称: 3S18芯插座 |     |    |
| APPROVED (审核)                    |  | DATE(日期)                             |  | UNIT(单位)      | MM                                                                                    | DWG NO.:                                 |     |    |
| REVISIONS                        |  |                                      |  | MATERIAL (材料) |                                                                                       | WEIGHT(重量) SHEET(表) REVISION(修订)         |     |    |
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