

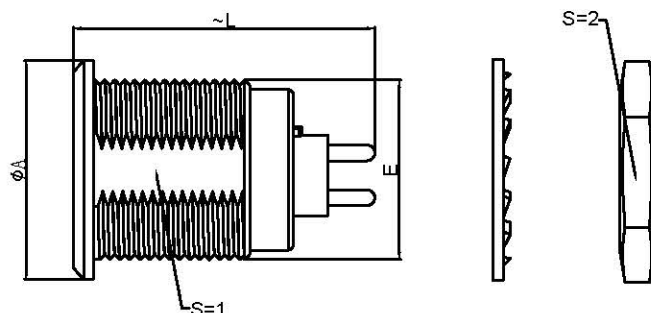
## 1.View and size(视图及尺寸)

| 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)   | Ø1.6MM                                                                                                                    |
| 5.Vtest (AC) /测试电压(交流)            | 1700V                                                                                                                     |
| 6.Vtest (DC) /测试电压(直流)            | 2400V                                                                                                                     |
| 7.Rated Current (额定电流)            | 20A                                                                                                                       |
| 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                                                                                                                       |

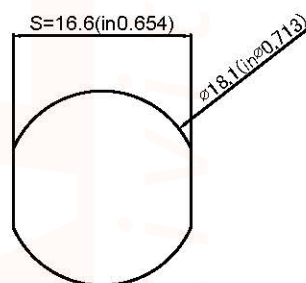
| Sum up(总结)                  |                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------|
| Series(系列)                  | B                                                                               |
| Shell style/model (外壳样式/型号) | ZRA: Fixed receptacle, nut fixing/固定插座, 螺母固定                                    |
| 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)     | Female print PCB(印刷PCB)                                                         |
| Line diameter awg(线材直径)     | 28AWG-20AWG                                                                     |
| Cable diameterφ (电缆直径)      | -                                                                               |
| Match plug(匹配插头)            | TFA.3S.P07.CLAD10                                                               |

| 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% |         |       |



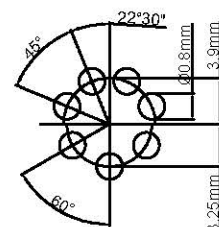
|    | A    | L    | E     | S1   | S2   |
|----|------|------|-------|------|------|
| MM | Ø22  | 29.0 | M18*1 | 16.5 | 22   |
| in | 0.87 | 1.14 |       | 0.65 | 0.87 |



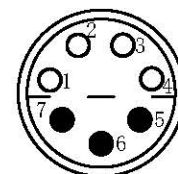
Panel hole size  
(面板开孔尺寸)



Plate joint master rubber core  
(板接型母胶芯)



Pcb plate opening size  
(PCB板开孔尺寸)



Welded surface  
(焊接面)

**ZRA.3S.P07.C L N**

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)

|                                               |  |          |  |                                      |          |                                        |
|-----------------------------------------------|--|----------|--|--------------------------------------|----------|----------------------------------------|
| DESIGNED (设计)                                 |  | DATE(日期) |  | SCALE(比例)                            | N/A(不适用) | MODEL TYPE<br>型号类型: ZRA.3S.P07.CLN     |
| CHECKED (校对)                                  |  | DATE(日期) |  | VIEW(视图)                             |          | PART NO. 3S7-core socket<br>名称: 3S7芯插座 |
| APPROVED (审核)                                 |  | DATE(日期) |  | UNIT(单位)                             | MM       | DWG NO.:                               |
| REVISIONS                                     |  |          |  | MATERIAL (材料)                        |          |                                        |
| www.xk-dg.cn www.helloxkb.com www.helloxkb.cn |  |          |  | XKB INDUSTRIAL PRECISION CO.,LIMITED |          | WEIGHT(重量) SHEET(表) REVISION(修订)       |
|                                               |  |          |  |                                      |          | 1/1 A0                                 |