

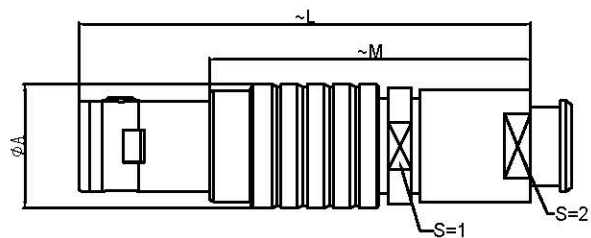
## 1.View and size(视图及尺寸)

| 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)   | φ1.3                                                                                                               |
| 5.Testing Voltage (测试电压)          | 1500V                                                                                                              |
| 6.Working Voltage (工作电压)          | 1350V                                                                                                              |
| 7.Rated Current (额定电流)            | 15A                                                                                                                |
| 8.Shell material(壳体材质)            | Brass (chromium plating) shell and chuck nut/( nickel plating) pin sleeve and middleware/黄铜(镀铬)外壳和夹头螺母/(镀镍)插销套和中间件 |
| 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                                                                                                                |

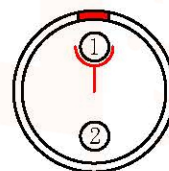
| Sum up(总结)                  |                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------|
| Series(系列)                  | B                                                                                      |
| Shell style/model (外壳样式/型号) | TGG: Straight plug, cable collet and nut for fitting a bend relief直塞、电缆夹头和螺母, 用于安装弯曲凸起 |
| Button (按键)                 | A button(一个按键)                                                                         |
| Termination type (终止类型)     | Male solder(公焊锡)                                                                       |
| Line diameter awg(线材直径)     | 28-20AWG                                                                               |
| Cable diameterφ(电缆直径)       | φ3.3-4.2MM                                                                             |
| Matching parts(配件)          | ZGG.1B.P02.CLL                                                                         |

| Location pin combination(定位销组合) |                                      |           |                         |
|---------------------------------|--------------------------------------|-----------|-------------------------|
| (编号)<br>Number                  | Number of<br>positioning pins(定位销数量) | Angle(角度) | Series(系列)--1B          |
| G                               | One(1)                               |           | (Zero degrees)0°        |
| A                               | Two(2)                               | A         | Thirty degrees(30°)     |
| B                               | Two(2)                               |           | Sixty degrees(60°)      |
| C                               | Two(2)                               |           | Ninety degrees(90°)     |
| D                               | Two(2)                               | β         | 135 degrees(135°)       |
| E                               | Two(2)                               |           | 145 degrees(145°)       |
| F                               | Two(2)                               |           | 155 degrees(155°)       |
| J                               | Two(2)                               | γ         | Forty-five degrees(45°) |
| K                               | Two(2)                               |           | Seventy degrees(70°)    |
| L                               | Two(2)                               |           | 80 degrees(80°)         |

|        | 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% |         |       |



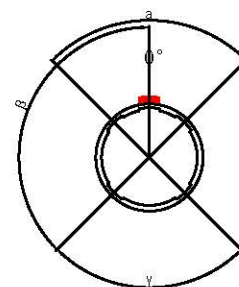
|    | A      | L      | M      | S1     | S2     |
|----|--------|--------|--------|--------|--------|
| MM | φ12    | 42     | 31     | 10.0   | 9      |
| in | 0.4725 | 1.6535 | 1.2205 | 0.3937 | 0.3543 |



Welded surface  
(焊接面)



Solder core  
(焊接型公胶芯)



Positive view  
(正视图)

|                                                                  |    |   |    |     |   |   |   |   |    |   |
|------------------------------------------------------------------|----|---|----|-----|---|---|---|---|----|---|
| Model(型号)                                                        | TG | G | 1B | P02 | C | L | A | D | 42 | H |
| Positioning pin(定位销)                                             |    |   |    |     |   |   |   |   |    |   |
| 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.<br>(H表示护套型, 不表示为不带护套型) |    |   |    |     |   |   |   |   |    |   |

|                                  |  |          |  |                                      |          |                                      |
|----------------------------------|--|----------|--|--------------------------------------|----------|--------------------------------------|
| DESIGNED (设计)                    |  | DATE(日期) |  | SCALE(比例)                            | N/A(不适用) | MODEL TYPE                           |
| CHECKED (校对)                     |  | DATE(日期) |  | VIEW(视图)                             |          | 型号类型: TGG.1B.P02.CLAD.42H            |
| APPROVED (审核)                    |  | DATE(日期) |  | UNIT(单位)                             | MM       | PART NO. 1B2-core plug<br>名称: 1B2芯插头 |
| REVISIONS                        |  |          |  | MATERIAL (材料)                        |          | DWG NO.:                             |
| www.helloxkb.com www.helloxkb.cn |  |          |  | XKB INDUSTRIAL PRECISION CO.,LIMITED |          | WEIGHT(重量)                           |
|                                  |  |          |  |                                      |          | SHEET(表)                             |
|                                  |  |          |  |                                      |          | REVISION(修订)                         |
|                                  |  |          |  |                                      |          | 1/1                                  |
|                                  |  |          |  |                                      |          | A0                                   |