

## 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(插头端直径)   | 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) 插针套和中间件 |
| 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                                                                                                                    |

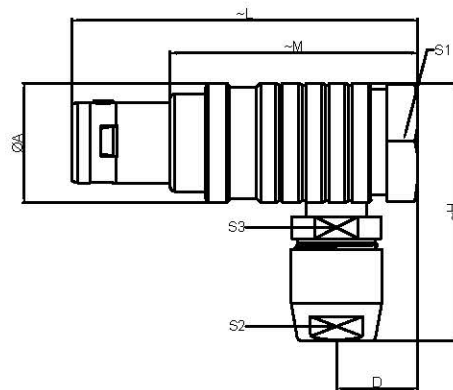
### Sum up(总结)

|                             |                                      |
|-----------------------------|--------------------------------------|
| Series(系列)                  | B                                    |
| Shell style/model (外壳样式/型号) | THG: Elbow plug, cable collet/电缆夹头弯头 |
| 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                       |

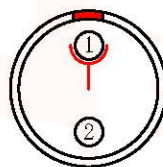
### Location pin combination(定位销组合)

| (编号)<br>Numder | 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°)         |

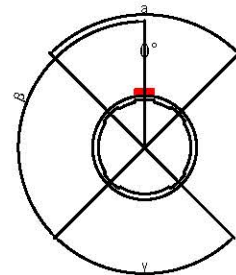
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



|    | A      | D     | H      | L      | M      | S1     | S2     | S3     |
|----|--------|-------|--------|--------|--------|--------|--------|--------|
| MM | 13.5   | 8     | 30.5   | 36.0   | 25     | 11     | 9      | 10     |
| in | 0.5315 | 0.315 | 1.2008 | 1.4173 | 0.9843 | 0.4331 | 0.3543 | 0.3937 |



Welded surface  
(焊接面)



Positive view  
(正视图)



Solder core  
(焊接型公胶芯)

TH G. 1B. P02. C L A D 42

Model(型号)

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)

|                                  |          |                                      |          |                                      |
|----------------------------------|----------|--------------------------------------|----------|--------------------------------------|
| 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: THG.1B.P02.CLAD.42             |
| 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                               |