

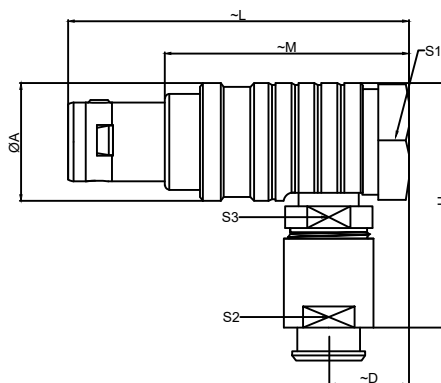
## 1.View and size(视图及尺寸)

| 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)   | φ0.5                                                                                                               |
| 5.Testing Voltage (测试电压)          | 800V                                                                                                               |
| 6.Working Voltage (工作电压)          | 1250V                                                                                                              |
| 7.Rated Current (额定电流)            | 1.5A                                                                                                               |
| 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/(镀铬)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) | 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)     | 34-28AWG                             |
| Cable diameterφ (电缆直径)      | φ2.3-7.2MM                           |
| Matching parts(配件)          | ZGG.1B.P16.CLL                       |

| Location pin combination (定位销组合) |                                          |               |                            |
|----------------------------------|------------------------------------------|---------------|----------------------------|
| (编号)<br>Numder                   | Number of<br>positioning pins(定<br>位销数量) | Angle(<br>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<br>degrees(45°) |
| K                                | Two(2)                                   |               | Seventy degrees(70°)       |
| L                                | Two(2)                                   |               | 80 degrees(80°)            |

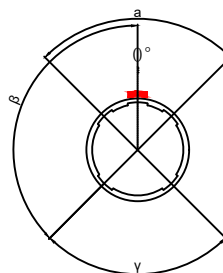
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



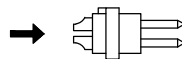
|    | A      | D     | H      | L      | M      | S1     | S2     | S3     |
|----|--------|-------|--------|--------|--------|--------|--------|--------|
| MM | 13.5   | 8     | 29.5   | 36.0   | 25     | 11     | 9      | 10     |
| in | 0.5315 | 0.315 | 1.1614 | 1.4173 | 0.9843 | 0.4331 | 0.3543 | 0.3937 |



Welded surface  
(焊接面)



Positive view  
(正视图)



Solder core  
(焊接型公胶芯)

TH G. 1B. P16. C L A D 72 H

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)

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(比例)     | N/A(不适用) | MODEL TYPE                             |
| CHECKED(校对)                      |  | DATE(日期)                             |  | VIEW(视图)      |          | 型号类型: THG.1B.P16.CLAD.72H              |
| APPROVED(审核)                     |  | DATE(日期)                             |  | UNIT(单位)      | MM       | PART NO. 1B16-core plug<br>名称: 1B16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                                 |