

# 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) | φ0.9                                                                                                              |
| 5.Testing Voltage (测试电压)        | 1250V                                                                                                             |
| 6.Working Voltage (工作电压)        | 1150V                                                                                                             |
| 7.Rated Current (额定电流)          | 9A                                                                                                                |
| 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)插销套和中同件 |
| 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                                                                                                               |

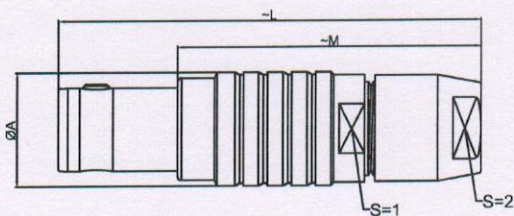
## Sum up(总结)

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| Series(系列)                  | B                                                           |
| Shell style/model (外壳样式/型号) | TFG: Straight plug, non-latching, cable collet /直塞、非锁套、电缆夹头 |
| 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)     | 30-22AWG                                                    |
| Cable diameterφ (电缆直径)      | φ4.3-5.2MM                                                  |
| Matching parts(配件)          | ZGG.1B.P05.CLL                                              |

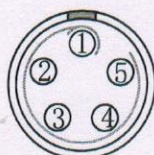
## Location pin combination (定位销组合)

| (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)                               | V         | Forty-five degrees(45°) |
| K              | Two(2)                               |           | Seventy degrees(70°)    |
| L              | Two(2)                               |           | 80 degrees(80°)         |

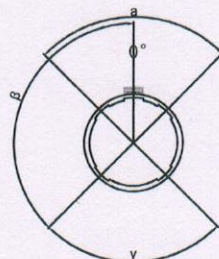
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



|    | A      | L      | M      | S1     | S2     |
|----|--------|--------|--------|--------|--------|
| MM | φ12    | 43     | 32     | 10.0   | 9      |
| in | 0.4725 | 1.6929 | 1.2598 | 0.3937 | 0.3543 |



Welded surface  
(焊接面)



Positive view  
(正视图)



Solder core  
(焊接型公胶芯)

TF G. 1B. P05.C L A D 52

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<br>型号类型: TFG.1B.P05.CLAD52 |
| CHECKED (校对)                     | DATE(日期) | VIEW(视图)                             |          | PART NO. 1B5-core plug<br>名称: 1B5芯插头  |
| APPROVED (审核)                    | DATE(日期) | UNIT(单位)                             | MM       | DWG NO.:                              |
| REVISIONS                        |          | MATERIAL (材料)                        |          | WEIGHT(重量)                            |
| www.helloxkb.com www.helloxkb.cn |          | XKB INDUSTRIAL PRECISION CO.,LIMITED |          | SHEET(表)                              |
|                                  |          |                                      |          | 1/1                                   |
|                                  |          |                                      |          | REVISION(修订)                          |
|                                  |          |                                      |          | A0                                    |