

# 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 67                                                                      |
| 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)/(nickel plating) fixation ring/ 黄铜 (镀铬) /(镀镍) 固定圈 |
| 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                                                                        |

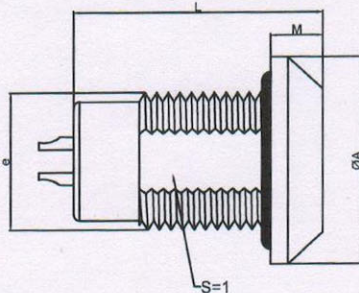
## Sum up(总结)

|                             |                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------|
| Series(系列)                  | B                                                                               |
| Shell style/model (外壳样式/型号) | HGG:Fixed receptacle, nut fixing, watertight or vacuum-tight/固定插座, 螺母固定, 水密或真空密 |
| Button (按键)                 | A button(一个按键)                                                                  |
| Termination type (终止类型)     | Mother solder tin(母焊锡)                                                          |
| Line diameter awg(线材直径)     | 28-20AWG                                                                        |
| Cable diameterφ (电缆直径)      | φ2.3-7.6MM                                                                      |
| Match plug(匹配插头)            | TGG.1B.P02.CLAD52H                                                              |

## Location pin combination(定位销组合)

| (编号)<br>Number | 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)                                   | Y             | Forty-five degrees(45°) |
| K              | Two(2)                                   |               | Seventy degrees(70°)    |
| L              | Two(2)                                   |               | 80 degrees(80°)         |

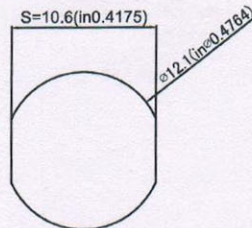
|        | A      | B      | C√     | ANGLE         |
|--------|--------|--------|--------|---------------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30° ±0.1°  |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |               |
| 100-   | ±0.15% | ±0.20% | ±0.25%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



|    | A      | L      | E     | M      | S1     | S2     |
|----|--------|--------|-------|--------|--------|--------|
| MM | 18     | 22.5   | M12*1 | 4.5    | 10.5   | 14     |
| in | 0.7087 | 0.8858 |       | 0.1772 | 0.4134 | 0.5512 |



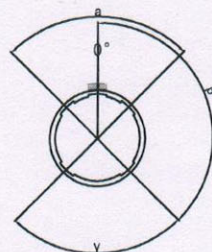
Welded surface  
(焊接面)



Pane hole size  
(面板开孔尺寸)



(Welded mother  
adhesive core)  
焊接型母胶芯



Positive view of the socket  
(插座正视图)

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)

HG G.1B.P02.C L L

|                                  |          |                                      |          |                                        |
|----------------------------------|----------|--------------------------------------|----------|----------------------------------------|
| DESIGNED (设计)                    | DATE(日期) | SCALE(比例)                            | N/A(不适用) | MODEL TYPE<br>型号类型: HGG.1B.P02.CLL     |
| CHECKED (校对)                     | DATE(日期) | VIEW(视图)                             |          | PART NO. 1B2 core socket<br>名称: 1B2芯插座 |
| APPROVED (审核)                    | DATE(日期) | UNIT(单位)                             | MM       | DWG NO.:                               |
| REVISIONS                        |          | MATERIAL (材料)                        |          | WEIGHT(重量) SHEET(表) REVISION(修订)       |
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