

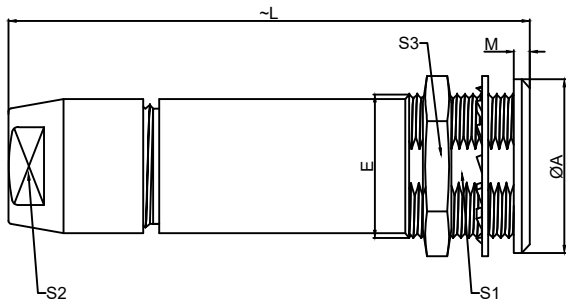
1.View and size(视图及尺寸)

| 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)   | φ0.7                                                                                           |
| 5.Testing Voltage (测试电压)          | 950V                                                                                           |
| 6.Working Voltage (工作电压)          | 1050V                                                                                          |
| 7.Rated Current (额定电流)            | 7A                                                                                             |
| 8.Shell material(壳体材质)            | Brass (chromium-plated) shell and nut/(nickel-plated) lock sleeve and middleware/黄铜(镀铬)锁套筒和中间件 |
| 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                                                                                            |

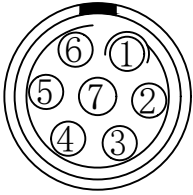
| Sum up(总结)                  |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| Series(系列)                  | B                                                                 |
| Shell style/model (外壳样式/型号) | MKG: Fixed receptacle, nut fixing, cable collet(固定插座, 螺母固定, 电缆夹头) |
| 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)     | 30-22AWG                                                          |
| Cable diameterφ (电缆直径)      | φ3.3-4.2MM                                                        |
| Match plug(匹配插头)            | TGG.1B.P07.CLAD42                                                 |

| Location pin combination(定位销组合) |                                      |               |                         |
|---------------------------------|--------------------------------------|---------------|-------------------------|
| (编号)<br>Numder                  | Number of<br>positioning pins(定位销数量) | 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°)         |

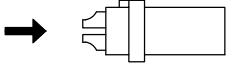
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



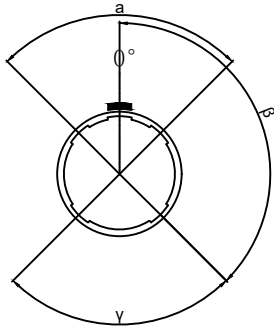
|    | φA     | e      | L      | M     | S1     | S2     | S3     |
|----|--------|--------|--------|-------|--------|--------|--------|
| MM | φ14    | M12*1  | 40.5   | 1.5   | 10.5   | 9.0    | 14.0   |
| in | 0.5512 | 0.0000 | 1.5945 | 0.059 | 0.4134 | 0.3543 | 0.5512 |



Welded surface  
(焊接面)



(Welded mother  
adhesive core)  
焊接型母胶芯



Positive view of the socket  
(插座正视图)

MK G. 1B. P07.C L L D 42

|                                 |    |    |     |       |   |   |   |    |
|---------------------------------|----|----|-----|-------|---|---|---|----|
| Model(型号)                       | MK | G. | 1B. | P07.C | L | L | D | 42 |
| 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(比额)     | N/A(不适用)                                                                              | MODEL TYPE<br>型号类型: MKG.1B.P07.CLLD42  |          |              |
| CHECKED (校对)                     |  | DATE(日期) |                                      | VIEW(视图)      |  | PART NO. 1B7 core socket<br>名称: 1B7芯插座 |          |              |
| APPROVED (审核)                    |  | DATE(日期) |                                      | UNIT(单位)      | MM                                                                                    | DWG NO.:                               |          |              |
| REVISIONS                        |  |          |                                      | MATERIAL (材料) |                                                                                       |                                        |          |              |
| www.helloxkb.com www.helloxkb.cn |  |          | XKB INDUSTRIAL PRECISION CO.,LIMITED |               |                                                                                       | WEIGHT(重量)                             | SHEET(表) | REVISION(修订) |
|                                  |  |          |                                      |               |                                                                                       |                                        | 1/1      | A0           |