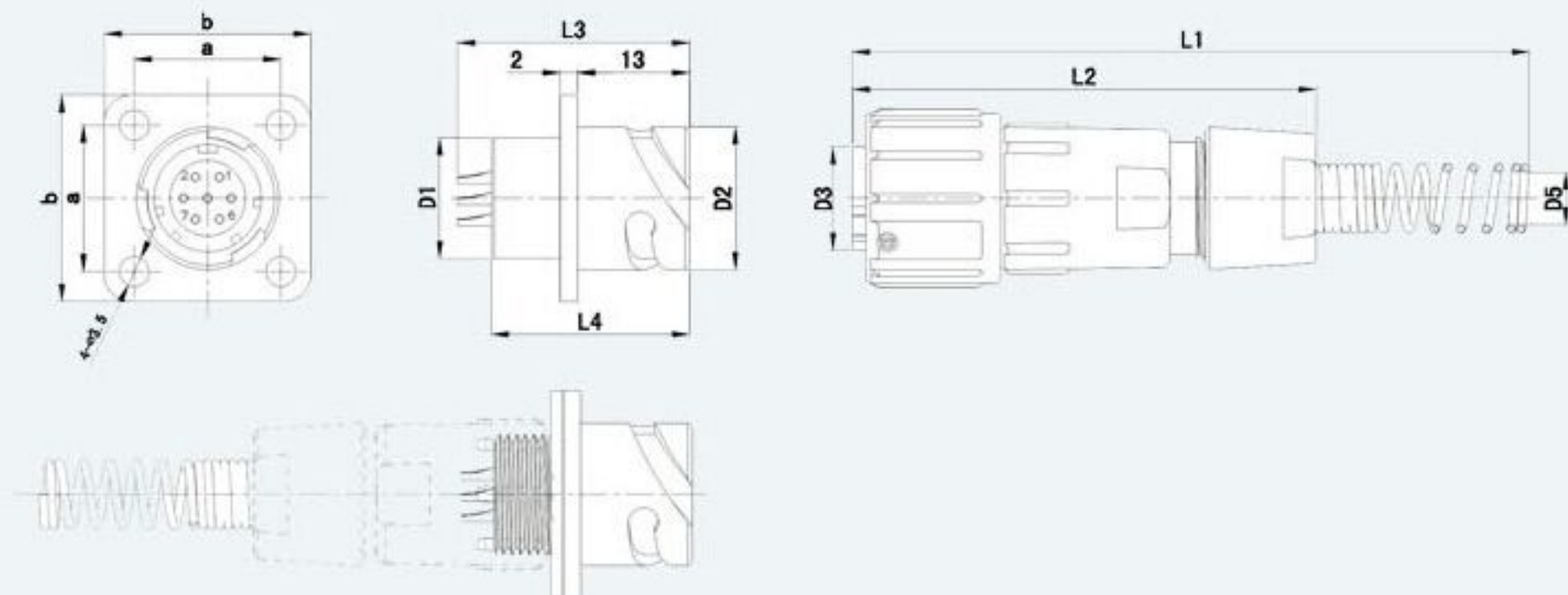
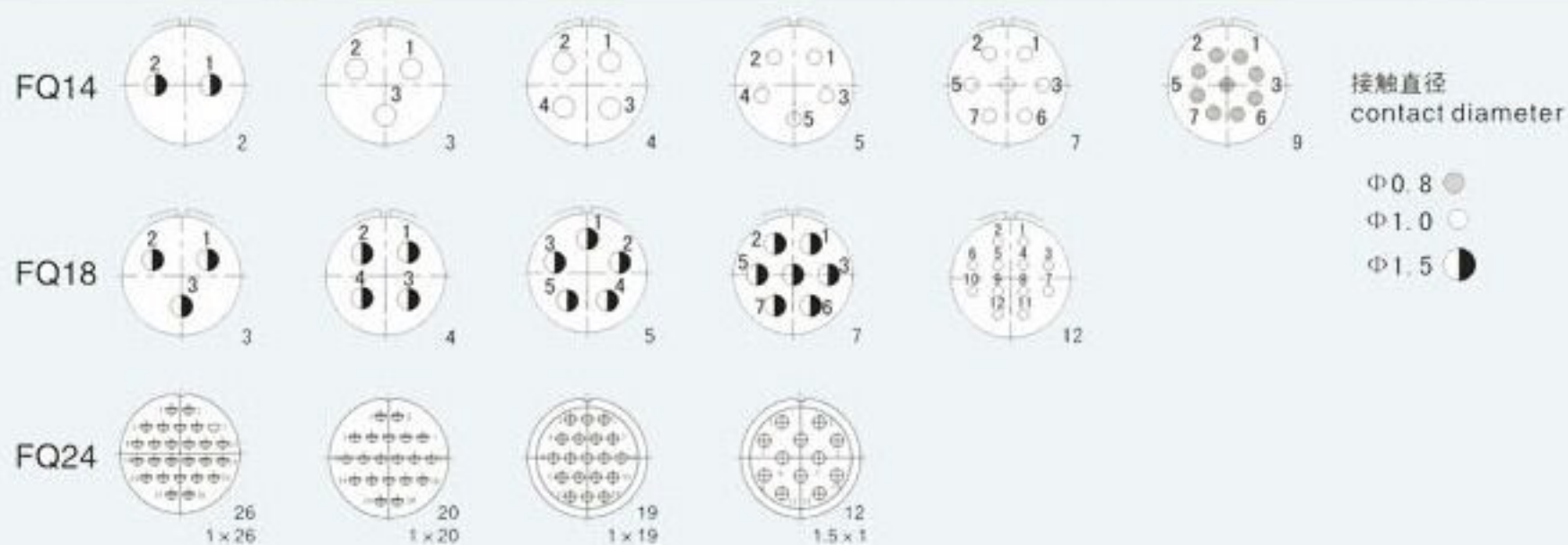




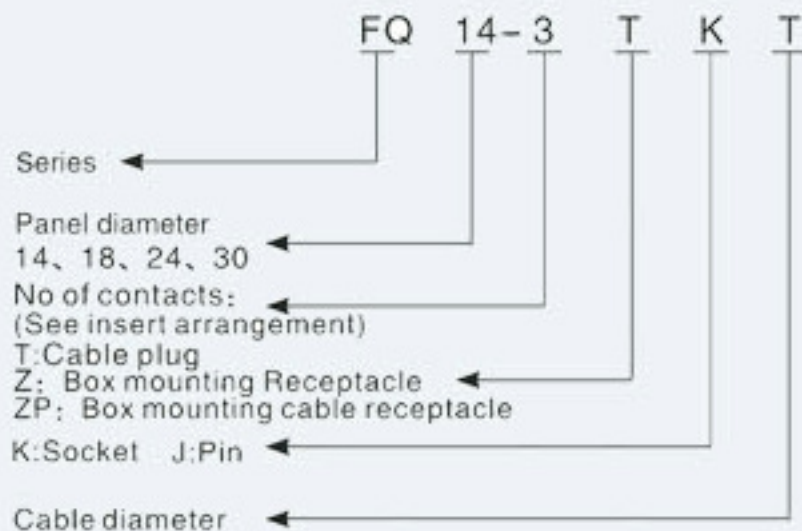
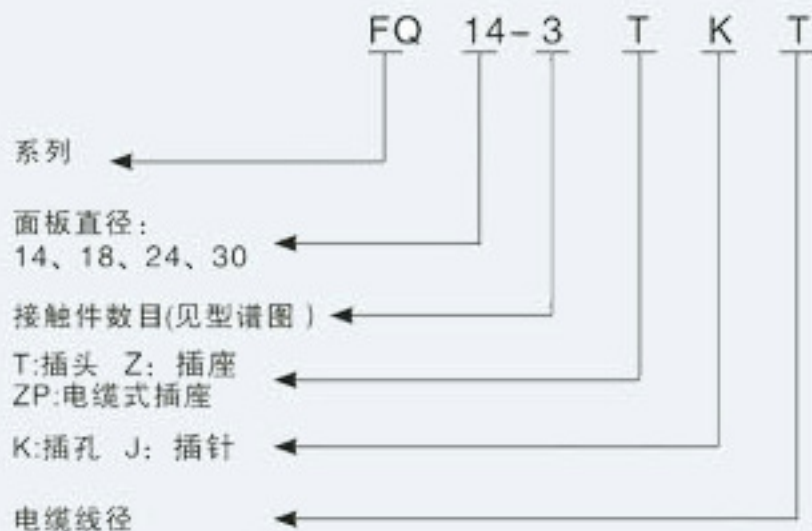
| 类型 Type | 安装及外型尺寸 Fixing and exterior dimension |    |                     |       |       |       |                 |    |    |    |    |
|---------|---------------------------------------|----|---------------------|-------|-------|-------|-----------------|----|----|----|----|
|         | a                                     | b  | D1                  | D2    | D3    | D4    | D5              | L1 | L2 | L3 | L4 |
| FQ24    | 26 ± 0.20                             | 33 | Φ24 <sup>+0.2</sup> | Φ33.2 | Φ22.6 | Φ24.5 | Φ6/Φ10/Φ12      | 93 | 62 | 26 | 23 |
| FQ18    | 20 ± 0.20                             | 27 | Φ18 <sup>+0.2</sup> | Φ20.7 | Φ16.6 | Φ18.5 | Φ6/Φ7/Φ8/Φ9/Φ10 | 84 | 58 | 24 | 23 |
| FQ14    | 26 ± 0.20                             | 24 | Φ14 <sup>+0.2</sup> | Φ16.8 | Φ12.4 | Φ14.5 | Φ6/Φ7/Φ8        | 80 | 53 | 26 | 25 |

## 型普图 Insert configuration





## 命名 How to order



## (1) 使用条件

- 工作温度:  $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- 相对湿度: 温度为  $40^{\circ}\text{C}$  达  $93 \pm 3\%$
- 振 动: 频率  $10 \sim 200\text{Hz}$ , 加速度  $150\text{m/s}^2$
- 碰 撞: 加速度  $490\text{m/s}^2$
- 恒加速度振动: 加速度达  $245\text{mm/s}^2$
- 大气压力: 达  $4.4\text{KPa}$
- 机械寿命: 500次
- 连接器应在1米深的水中受30分钟的试验而连接器内部不进水

## Service environmental condition

- Working temperature:  $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Relative humidity: It can reach  $93 \pm 3\%$  at  $40^{\circ}\text{C}$
- Vibration: Frequency  $10 \sim 200\text{Hz}$ , acceleration  $1500\text{m/s}^2$
- Collision: Acceleration  $490\text{m/s}^2$
- Permanent acceleration vibration: The acceleration reaches  $245\text{mm/s}^2$
- Atmospheric pressure: Reach  $4.4\text{KPa}$
- Mechanical life-span: 500 times
- The connector should be dipped one meter in water for 30 minutes test, without the water drop in

## (2) 工作电压、电流、电阻 Main technical parameters

| 接触件直径<br>Diameter of<br>contact<br>(mm) | 接触件电阻<br>Contact<br>resistance<br>( $\Omega$ ) | 工作电流<br>Working<br>current<br>(A) | 电压 Voltage ( $\leq 400\text{Hz}$ )      |     |
|-----------------------------------------|------------------------------------------------|-----------------------------------|-----------------------------------------|-----|
|                                         |                                                |                                   | 接点中心距 ( mm )<br>Contact centre distance |     |
|                                         |                                                |                                   | $\geq 3.5$                              | 2.8 |
| 0.8                                     | 0.01                                           | 2                                 | 500                                     | 400 |
| 1                                       | 0.005                                          | 3                                 | 500                                     | 400 |
| 1.5                                     | 0.0025                                         | 10                                | 500                                     | 400 |
| 2.5                                     | 0.001                                          | 15                                | 500                                     | 400 |

注：根据连接器接触对数量，其每一接触对的额定电流规定如下：

接触对数目：1-20，为额定工作电流的100%。

接触对数目：21-32，为额定工作电流的80%。

接触对数目：33-55，为额定工作电流的70%。

Attention: according to connectors of the contact amount, the rated current of each contact are following:

The amount of contact: 1-20, the rated current is 100%.

The amount of contact 21-32, the rated current is 80%.

The amount of contact: 33-55, the rated current is 70%.

## (3) 试验电压 ( 50Hz ) Experimental voltage (50Hz)

| 接触对中心距<br>Contact centre distance<br>(mm) | 正常条件下<br>Normal(V) | 潮湿试验后<br>Moisture test(V) |
|-------------------------------------------|--------------------|---------------------------|
| $\geq 3.5$                                | 1500               | 1000                      |
| 2.8                                       | 1200               | 800                       |

## (4) 低气压条件下的试验电压 ( 50Hz ) Experimental voltage under low pressure

| 大气压力<br>Atmospheric<br>pressure(kPa) | 接触对中心距<br>Contact centre distance (mm) |            |
|--------------------------------------|----------------------------------------|------------|
|                                      | $\geq 3.5$                             | $\geq 2.8$ |
| 46.7                                 | 1000V                                  | 730V       |
| 8.5                                  | 500V                                   | 400V       |
| 4.4                                  | 400V                                   | 300V       |

## (5) 绝缘电阻 Insulation resistance

| 正常条件下<br>Normal(V)       | 高温条件下<br>High temperature | 潮湿试验后<br>Moisture test(V) |
|--------------------------|---------------------------|---------------------------|
| $\geq 500\text{M}\Omega$ | $\geq 500\text{M}\Omega$  | $\geq 100\text{M}\Omega$  |