

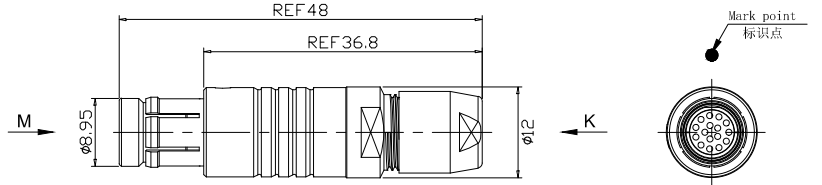
|        |                  |         |             |
|--------|------------------|---------|-------------|
| REV/版本 | DESCRIPTION 变更内容 | DATE/日期 | DRAWN BY/绘图 |
|        |                  |         |             |

1. Product main performance/产品主要性能指标:  
 Operating Temperature/工作温度 : -55℃~200℃  
 Humidity(max)/最大潮湿 : <=95% [at 60 deg C / 140 F]  
 Shielding /屏蔽性能 : 75dB(10MHz) 40dB(1GHz)  
 Salt Spray Corrosion/盐雾 : 96hr  
 P op (max)/最大环境压力 : 60 bar (870 psi)

Mechanical data/机械特性:  
 Vibration/振动 : 15g[10Hz~2000Hz]  
 Shock Resistance/冲击 : 100g[6ms]  
 Endurance (Shell)/机械寿命 : 5000+

2. 电气性能  
 Insert Configuration/针芯配置: 1F.316 16Low Voltage  
 Pin Size/接触件直径:  $\phi 0.5\text{mm}$   
 Contact resistance接触电阻:  $\leq 15\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\text{M}\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压: 350V(AC)  
 Rated working current额定工作电流: 1.5A  
 Cable/配接电缆:  $\phi 2.4\text{mm}-\phi 3.3\text{mm}$

Other Specification/其它规格:  
 Contact PIN/接触体 : Gold-Tin bronze plating/锡青铜镀金  
 Housing Material/外壳材质 : Pearl-plated chrome brass/黄铜镀珍珠铬  
 Other metal spare parts/其余金属件 : nickel plated brass/黄铜镀镍  
 Insulator material/绝缘材料: PPS  
 IP Rating/防护等级 : IP68(尾部密封防护处理)  
 \*ALL MATERIALS ARE RoHS COMPLIANT/所有材料均符合RoHS要求.

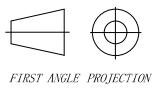


DRAWN BY: 绘图: PD03 2024.05.28  
 CHECKED BY: 审核: Z01 2024.05.28  
 APPROVED BY: 核准: PD05 2024.05.28



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|                                      |               |
|--------------------------------------|---------------|
| GENERAL TOLERANCE (UNLESS SPECIFIED) |               |
| $\leq 10$                            | $\pm 0.1$     |
| $< 10 \sim \leq 20$                  | $\pm 0.15$    |
| $< 20 \sim \leq 50$                  | $\pm 0.3$     |
| Angle                                | $\pm 1^\circ$ |



|                   |                 |  |
|-------------------|-----------------|--|
| 单位<br>UNIT: mm    | 名称<br>PART NAME | TGA-1F直式插头(不带护套式尾帽)<br>TGA-1F Straight Plug<br>(without jacketed tail cap) |
| 比例<br>SCALE: 1: 1 | 型号<br>PART NAME | TGA. 1F. 316. CLAD35   |
| SIZE: A4          | SHEET: 1 OF 1   |  |
| REV/版本            | A1              | https://www.myconnector.com/   |