

1. Product main performance/产品主要性能指标:

Operating Temperature/工作温度: $-55^{\circ}\text{C} \sim 150^{\circ}\text{C}$

Humidity(max)/最大潮湿: $<95\%$ [at $60 \text{ deg C} / 140 \text{ F}$]

Shielding /屏蔽性能: $75\text{dB}(10\text{MHz}) \quad 40\text{dB}(1\text{GHz})$

Salt Spray Corrosion/盐雾: 96hr

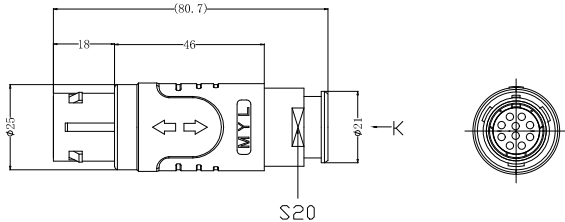
Mechanical data/机械特性:

Vibration/振动: $15\text{g}[10\text{Hz} \sim 2000\text{Hz}]$

Shock Resistance/冲击: $100\text{g}[6\text{ms}]$

Endurance (Shell)/机械寿命: $5000+$

Cable/配接电缆: $\phi 8.1\text{mm} - \phi 9.0\text{mm}$



2. 电气性能

Insert Configuration/针芯配置: $4\text{BP}, 310, 10\text{Low Voltage}$

Pin Size/接触件直径: $\phi 1.6\text{mm}$

Contact resistance接触电阻: $\leq 4\text{m}\Omega$

Insulation resistance/绝缘电阻: $5000\text{M}\Omega$ (测试电压 $500\text{V}(\text{DC})$)

Withstand voltage/耐电压: $1850\text{V}(\text{AC})$

Rated working current额定工作电流: 17.0A

Other Specification/其它规格:

Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金

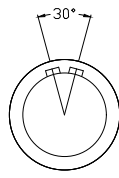
Housing Material/外壳材质: PEEK

Other Shell Material/其它壳体材质: 铜镀镍

Insulator material/绝缘体材料: PPS

IP Rating/防护等级: IP50

*ALL MATERIALS ARE RoHS COMPLIANT/所有材料均符合RoHS要求.



Plug front view
插头前视图



view K
K向孔位排列

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

| | |
|--------------------------|------------|
| DRAWN BY: 绘图: P003 | 2024.05.28 |
| CHECKED BY: 审核: Z01 | 2021.05.28 |
| APPROVED BY: 核准: P005 | 2024.05.28 |



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



FIRST ANGLE PROJECTION

| | |
|--------|----|
| REV/版本 | A1 |
|--------|----|

| | |
|------------------|-----------|
| 单位 UNITS: mm | 名称 |
| 比例 SCALE: 1:1 | PART NAME |
| 尺寸 SIZE: M | 型号 |
| SHEET: 1 OF 1 | PART NAME |

TG-4BP直式插头(带护套式尾帽)
TG-4BP Straight Plug
(with jacketed tail cap)

TGA. 4BP. 310. KWLD92Z