

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 $60^{\circ}\text{C} / 140^{\circ}\text{F}$]

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

Salt Spray Corrosion/盐雾: 96hr

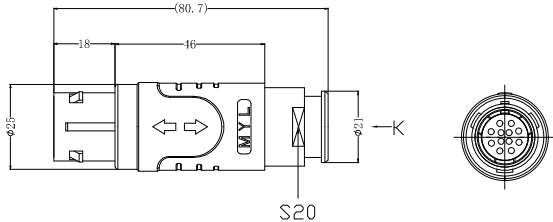
Mechanical data/机械特性:

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: $\phi 13.1\text{mm} - \phi 14.0\text{mm}$



2. 电气性能

Insert Configuration/针芯配置: 4BP. 312 12Low Voltage

Pin Size/接触件直径: $\phi 1.3\text{mm}$

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: $1450\text{V}(\text{AC})$

Rated working current额定工作电流: 12.0A

Other Specification/其它规格:

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

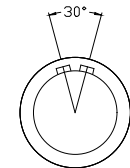
Housing Material/外壳材质: PEEK

Other Shell Material/其它壳体材质: 铜镀镍

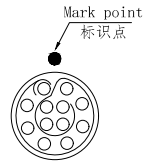
Insulator material/绝缘体材料: PPS

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/描述内容	DATE/日期	DRAWN BY/绘图

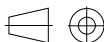
DRAWN BY:
绘图: P003 2024. 05. 28
CHECKED BY:
审核: Z01 2024. 05. 28
APPROVED BY:
核准: P005 2024. 05. 28



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GENERAL TOLERANCE
(UNLESS SPECIFIED)

$\leq 10 \pm 0.1$
 $< 10^{\circ} \leq 20 \pm 0.15$
 $< 20^{\circ} \leq 50 \pm 0.3$
Angle $\pm 1^{\circ}$



FIRST ANGLE PROJECTION

单位
UNIT: mm

比例
SCALE: 1: 1

图号
SIZE: A1

张数
SHEET: 1 OF 1

名称
PART NAME

型号
PART NAME

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

TGA. 4BP. 312. KWLAD142Z