

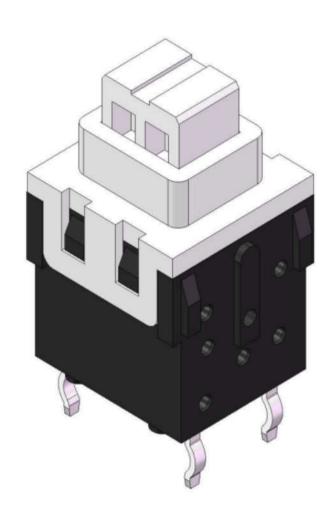
亦 宗 市 神 九 实 业 有 限 公 司

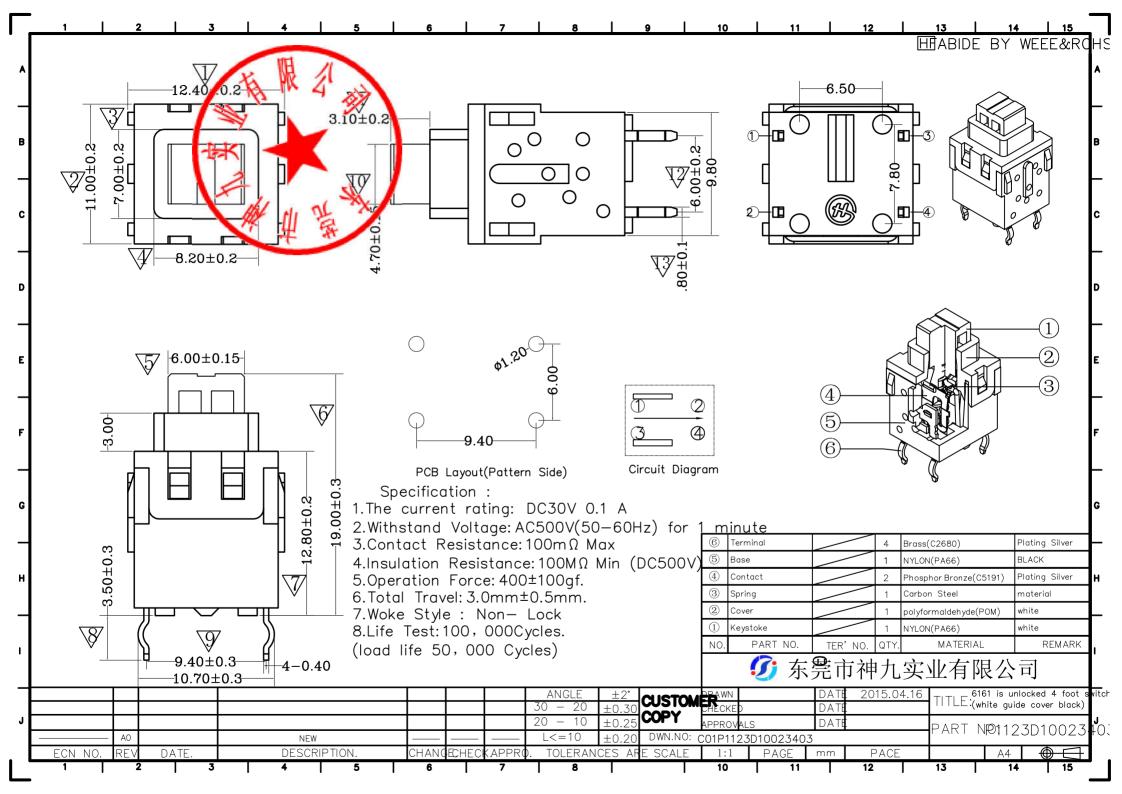
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产品规格书 Product Specificaion



PB-22E33/平头 无锁 4P (料号: KLJ-6161-120)





1. 一般特性 General Characteristics

1.1 额定值额定值(Rating Value): DC30V 0.1A(max.) DC 2V 10μA(min.)

1.2 工作温度(Work Temperature Range): -10℃ ~ 70℃

1.3 存贮温度(Store Temperature Range): -20℃ ~ 80℃

1.4 正常测试条件(未有特殊说明量测在以下条件进行):

General test condition (Tests and measurements shall be made under not following synday conditions unless otherwise specified):

正常温度: 5℃~35℃ 相对湿度: 45%~85% RH 气 压: 8,6%~10,600 帕

Temperature: 5°C~35°C Relative humidity: 45%~85% Air ressure: 8,600 0,600 pa

2. 产品外观及尺寸要求 Appearance & Dimension Requirement

2.1产品外形结构紧凑, 无配合不良.

The structure of product is compact, and assembly of parts has to be mess.

2.2 产品塑胶部件无缩水. 披锋. 欠注. 斑点. 破损或变形现象.

The plastic parts of product have no defects such as very serious shrink, disrepair, transmutation, etc.

2.3 产品引脚无氧化. 脏污. 变形. 毛刺或电镀不良. Lead feet have no defects such as oxidation, smudge, disrepair, burr, defects on plating.

2.4 开关操作顺畅, 节奏感强, 无明显卡塞现象, (自锁开关锁芯锁住后, 允许导芯倾斜正负 2°)
Operating switch is unhindered, rhythmed, and there is not palpable clag. (After the keystoke is locked, it is normal that the keystoke tilt to one side plus or minus 2°)

2.3产品结构及尺寸参见产品规格图纸。

Construction and dimensions: Refer to individual product drawing.

3. 电气特性 Electronic Characteristics

No.	项 目 Item	测试方法 Test Method	测试设备 Equipment	特性要求 Requirements
3. 1	接触阻抗 Contact Resistance	在低电流(≤100mA)条件下测试. Measured at low current (100mA or less).	低电阻测试仪 Low Resistance Meter	100mΩ max
3. 2	绝缘阻抗 Insulation Resistance	测试相邻引脚之间,引脚与外壳之间 的绝缘阻抗(DC 500V). Measurement shall be made between adjacent terminals, between terminal and shell(DC 500V).	绝缘测试机 Insulation Resistance Tester	100MΩ min
3. 3	耐压测试 Dielectric Withstand Voltage	输入一定电压(50-60Hz, 电压值 AC 500V)1分钟,漏电流为2mA,测试邻近端子间. Apply certain voltage (50-60Hz, AC 500V) for 1 minute between adjacent contacts of the connector with 2mA leakage sensitivity.	耐压测试机 Puncture Tester	没有绝缘破坏. 电弧等异常. No arcing , breakdown and damaging insulation.

4. 机械特性 Mechanical Characteristics

No.	项目	测试方法	测试设备	特性要求
	Item	Test Method	Equipment	Requirements
		逐渐施力操作开关按键,测量开关到 达全部工作行程时所需的最大操作力	推拉力计	
4. 1	操作力	度。 Operate the keystoke of the	Push-Pull	亚图画//
	Operation	switch vertically, and then	Force Gage	See Dawing
	Force	increase press strength	1	THE STATE OF THE S
		gradually, Measured maximum	40	
		operation force while the travel	1	***
		of the switch is full.	机片	14
4. 2	行 程	垂直操作开关按键,量测开关顶端最	PT 治【	157
	Full travel	大移动距离.Operate the keystoke	游标卡尺	W/
		of the switch vertically, the	PT Tester	见图面
		travel distance of keystoke moving	Vernier	See Drawing
		from its free position to maximum	Caliper	
		moving distance shall be		
		measurement.		
		开关的动作方向为垂直放置开关,在	推拉力计	无机械的和电气的
4.3	静止强度	推柄动作方向施加 3KG 的静负荷, 60	Push-Pull	损伤迹象
	Static	秒时间. Placing the switch such	Force Gauge	
	Strength	that the direction of switch		There shall be no
		operation is vertical, a static		sign of damage
		load of <u>3</u> kgf shall be applied in		mechanically and
		the direction of stem operation		electrically.
		for a period of 60 seconds.		

5. 可靠性测试 Reliability trial

No.	项 目	测试方法	测试设备	特性要求
	Item	Test Method	Equipment	Requirements
5. 1	盐雾实验 Salt Mist Test	试件在下述实验后测量: 1. 温度: 35±5°C 2. 盐溶液浓度:5±1%(质量百分比), 3. 试验时间: 24小时, 4. 试验后,将盐沉积物用水冲掉。 The switch shall be checked after following test: 1. Temperature: 35±5°C 2. Salt solution: 5±1%(Solids by mass) 3. Duration: 24 hours, 4. After immersing, salt deposit shall be removed by running water.	盐雾试验机 Salt Spray Tester	在金属件上没有严重腐蚀斑点。 No remarkable corrosion shall be recognized in metal parts.

5. 可靠性测试 Reliability trial

No.	项 目 Item	测试方法 Test Method	测试设备 Equipment	特性要求 Rogarinaments
5. 2	机械寿命 Operation Life Without Load	开关置于寿命试验机上连续工作,工作频率低于每分钟60次,工作条件为: DC12V 100mA. The switch would be operated continuously by auto machine at maximum rate of 60 cycles per hours on conaition that the voltage is 12V and the current is 100mA.	寿命试验机 Life Tester	序於: 10 000 00 次 实验 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
5. 3	耐 焊 接 热 Resistance to Soldering heat	端子焊接部分浸入焊炉,焊炉温度260±5℃,焊接时间5±1秒。(焊接时不可于端子施加外力)。 Terminals shall be dipped in the solder bath at 260±5℃ for 5±1 seconds without additional force for	控温锡炉 Solder Stove Solder	本体无变形,能满足于机械、电气性能. Appearance should be not damaged, electrical and mechanical characteristics shall be satisfied.

5. 可靠性测试 Reliability trial

No.	项 目 Item	测试方法 Test Method	测试设备 Equipment	特性要求 Requirements
5. 4	可焊性试验 Solder ability Test	端子顶部被浸入焊锡炉中,温度为 230 ± 5 °C,时间 5 ± 1 秒. The top of the terminals shall be dipped in the solder bath at 230 ± 5 °C for 5 ± 1 seconds.	控温锡炉 Solder Stoy	引脚至小 orw上锡. Inety-fine percent of terminals that be prod.
5. 5	耐高温测试 Resistance to Heat Test	放置在温度 80±2℃环境中 96 小时后,再置于正常条件下 1 小时后测定。 The switch shall be stored at a temperature of 80±2℃ for 96 hours, Measurements shall be made after it be subjected to the standard conditions for 1 hour.	高低温 试验机 High & Low Temperature Tester	分观,方派。电气性能均符合要求。 Ansearance, electical and mechanical characterists shall be satisfied. (接触电阻:200mΩMax. 绝缘电阻:50MΩ Min Contact resistance: 200mΩ Max Insulation resistance:50MΩMin
5. 6	耐低温测试 Resistance to Cold Test	放置在温度-35±3℃环境中96小时后,再置于正常条件下 1 小时后测定。 The switch shall be stored at a temperature of -35±3℃ for 96 hours, Measurements shall be made after it be subjected to the standard conditions for 1 hour.	高低温 试验机 High & Low Temperature Tester	外观,机械及电气性能均符合要求。 Appearance,electrical and mechanical characteristics shall be satisfied. (接触电阻:200m \(\Omega \) Max. 绝缘电阻:50M \(\Omega \) Min Contact resistance: 200m \(\Omega \) Max Insulation resistance:50M \(\Omega \) Min
5. 7	耐湿性测试 Resistance to Humidity Test	放置于温度 40±2℃,相对湿度为90~96%环境中96小时后,再置于正常条件下1小时后测定(注意要擦去水滴)。 The switch shall be stored at a temperature of 40±2℃, relative humidity 90~96% for 96 hours, Measurements shall be made after it be subjected to the standard conditions for 1 hour (Wipe out water drip).	恒温恒湿箱 Temperature & Humidity Tester Chamber	外观,机械及电气性能均符合要求。 Appearance,electrical and mechanical characteristics shall be satisfied. (接触电阻:200mΩMax. 绝缘电阻:50MΩ Min Contact resistance:200mΩ Max Insulation resistance:50MΩMin