

料 号/Part No.	签 章/Signatures

日期 Date:

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2、 详细	说明								
	iled specif								
	2.1 外观: 应无影响、降低产品性能的缺陷;								
			be no defects that affect the serviceability	y of product	5.				
			合装配图要求 11 conform to the assemble drawings.						
	10 and dime 乍形式: 有触								
			e feedback.						
		-	具体的触点结构在装配图中已绘出);						
Со	ontact arra	ngement: 1	pole, 1 throw						
(D	etails of o	contact arr	angement are given in the assembly drawings	5.)					
2.5 开关	关工作额定值	ī: DC 12V,	50mA(有效值)						
Ra	tings: 12V	DC, 50mA ((effective value)						
3、 电	气性能:								
EL	ECTRICAL SI	PECIFICATIO	N						
NO.	项 IT		试验条件 TEST CONDITIONS	RE	要求 QUIREMENTS				
3. 1	接触 Contact Re		在以 5V 10mA的直流电源或不低于1KHz的交流 电源的电路中,以一个等于2倍按力的静负荷施 加于手柄中心 Applying a static load of 2 times operating force to the center of the stem, measurements shall be made by 5V DC 10mA or more than 1KHZ AC small-current contact resistance meter.	≤100mΩ					
 3.2 3.2 3.2 3.2 42% 电阻 Insulation Resistance 3.2 42% 电阻 Insulation Resistance 42% 电阻 Ariticle 42% etal 42% etal									
介质耐压 Dielectric voltage proof		ctric	在端子之间施加250V AC(50HZ或60HZ)/1min 250V AC (50HZ or 60HZ) shall be applied across terminals, for one minute.	无击穿、无飞弧 There should be no break and flashover					

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3. 4			按照正常使用时的力度轻按手柄中心(每秒3~4 次), 在导通和断开过程中测试开关抖动 Lightly striking the center of the stem at a rate encountered in normal use (3 to 4 times per second), and bounce shall be tested at "ON" and "OFF"	4 ON-3msec. max	
	.械性能:				
ME	CHANICAL SH	PECIFICATIO	N		
4. 1	 心逐渐施力,测量开关导通所需的最大力, Placing the switch such that the direction is vertical and for switch operation is vertical and for gradually increasing the load applied the center of the stem, the maximum 		开关垂直于操作方向放置,在开关驱动件顶端中 心逐渐施力,测量开关导通所需的最大力度 Placing the switch such that the direction of switch operation is vertical and then gradually increasing the load applied to the center of the stem, the maximum load required for the switch to come to a stop shall be measured	refer to chart 3	
4.2	最大 Full 1		开关垂直于操作方向放置,以一个等于2倍按力 的静负荷施加在开关驱动件顶端中心,测量顶端 移动的距离。 Placing the switch such that the direction of switch operation is vertical and then applying static load of 2times operating force to the center of the stem; the travel distance for the switch to come to a stop shall be measured.	2±0.1mm	

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4.3	回建 Return		开关垂直于操作方向放置,在开关驱动件顶端中 心下降至全行程后,测量顶端向自由位置转换的 力度。 The sample switch is installed such that the direction of switch operation is vertical and upon depressing the stem in its center to the whole travel distance, the force of the stem to return to its free position shall be measured.	/	
4.4	停止 Stop St		开关垂直于操作方向放置,从操作方向向驱动件 施加30N的静负荷持续1min。 Placing the switch such that the direction of switch operation is vertical, and then a static load of 30N shall be applied in the direction of stem operation for a period of 1 min.	/	
4. 5	手柄拔出强度 Stem Strength		开关垂直于操作方向放置,反方向实施最大操作 力,并测量手柄的行程范围。 Placing the switch such that the direction of switch operation is vertical, and then the maximum force to withstand a pull applied opposite to the direction of stem operation shall be measured.	20N.min.	
4.6	可焊性Solderability		在以下设定条件下进行测量: Measurements shall be made following the test set forth below: (1) 焊接温度:245±5℃ Solder temperature : 245±5℃ (2) 浸入时间:2s±0.5s Immersion time: 2s±0.5s 对于其它步骤参考《GB 5095.6—86》试验12a The other steps please refer to 《GB 5095.6-86》TEST 12a	Except for	层应均匀覆盖90%以上 the edge, the puld cover a

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	限电气性能				
EN	IV I RONMENTAI				
NO.	项 IT		试验条件 TEST CONDITIONS	RE	要求 QUIREMENTS
5. 1	低温 Resistanc temper	e to low	样品应按照以下实验条件进行测试,实验后样品 应放在常温及标准湿度的环境中1小时后做性能 测试: Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 h before measurements are made: (1) 温度: -30±2℃ Temperature : -30±2℃ (2) 时间: 96h Time: 96h	后做性能 w the mperature	
5. 2	高温测试 Heat resistance		样品应按照以下实验条件进行测试,实验后样品 应放在常温及标准湿度的环境中1小时后做性能 测试: Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 h before measurements are made: (1) 温度: 80±2℃ temperature:80±2℃ (2) 时间: 96h time: 96h	接触电阻: ≤200mΩ Contact resistance: ≤200m 项目3,4.1,4.2,4.3 Item 3,4.1,4.2,4.3	
5.3	温度周期性测试 Change of temperature		根据下面的测试要求进行5次循环的温度周期性 测试, 实验后样品应放在常温及标准湿度的环 境中1小时后做性能测试。测试期间样品应保持 干燥. After 5 cycles of following conditions, the sample shall be allowed to stand under normal temperature and humidity conditions for 1 h. and measurements shall be made. During the test water drops shall be removed. + $65\pm2$ °C		

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NO.	项目 ITEM		试验条件 TEST CONDITIONS	RE	要求 QUIREMENTS
5.4	湿温测试 Moisture resistance		样品应按照以下实验条件进行测试,实验后样品 应放在常温及标准湿度的环境中1小时后做性能 测试: Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 h before measurements are made: (1) 温度: 60±2℃ temperature: 60±2℃ (2) 相对湿度: 90%~95% relative humidity:90% to 95% (3) 时间: 96h time: 96h	接触电阻: <200mΩ Contact resistance: <200m 项目3,4.1,4.2,4.3 Item 3,4.1,4.2,4.3	
硫化 5.5 Sulfur resist		ration	样品应按照以下实验条件进行测试,实验后样品 应放在常温及标准湿度的环境中1小时后做性能 测试: Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 h before measurements are made: (1) H2S气体浓度: 3ppm±1ppm H2S gas concentration: 3ppm±1ppm (2) 时间: 72h Time: 72h (3) 温度: 40±2℃ (90~95%RH) temperature: 40±2℃ (90~95%RH)		
5. 6	盐雾试验 Salt Mist		<pre>在以下设定条件下进行测量: The switch shall be checked after following test: (1) 温度: 35℃±2℃ temperature: 35℃±2℃ (2) 盐溶液浓度: 5±1%(质量百分比) salt solution : 5±1%(solids by mass) (3) 时间: 8h±1h Time: 8h±1 hour 实验后的盐沉积物后水冲掉 After test, salt deposit shall be removed by running water.</pre>		有腐蚀斑点 ble corrosion shall zed in metal part.

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	限机械性能: DURANCE SPEC	CIFICATION			
NO.	项 IT		试验条件 TEST CONDITIONS	REG	要求 QUIREMENTS
6. 1	工作寿命 Operation life		 根据下面的测试要求进行测试: Measurement shall be made following the test set forth below: (1) DC 12V, 50mA带负载 DC 12V, 50 mA resistive load (2) 按动速率: 1次/秒 Rate of operation: 1 times/s (3) 按力: / Operating Force: / (4) 平均无故障寿命/Average fault-free life:20000次 	接触电阻≤200mΩContact resistance≤200mΩ 触点弾力≤10ms Contact bounce≤10ms 按力:初值的±30% Operating Force: initial value±30% 项目3,4.1,4.2,4.3 Item 3,4.1,4.2,4.3	
6.2	振动Vibration		<pre>根据以下给定条件进行测试: Measurement shall be made following the test set forth below: (1) 振动频率范围: 10~55~10Hz Vibration frequency range: 10 to 55 to 10Hz (2) 振幅(峰一峰): 1.5mm Amplitude: 1.5mm (3) 振动方向: 包括手柄行程方向在内的三个 相互垂直的方向 Direction of vibration:Three mutually perpendicular direction including the direction of stem travel (4) 测试时间: 每次2hours. Duration: Each 2hours.</pre>	项目3,4.1,4.2,4.3 Item 3,4.1,4.2,4.3	
	妾条件:		I		
SOL	DERING CONI	D1110NS:			
	手工焊接		请按以下条件进行焊接: (1) 焊锡温度: ≤350℃ (2) 连续焊接时间: ≤3 s Please practice according to below conditio (1) Soldering temperature: 350℃ Max. (2) Continuous soldering time: 3 s Max.	ons:	

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NO.				条件 CONDITIONS		
7.2	白动相接		In case t (1)预热 Prehe (2)峰值温 Peak t (3)焊接区	与 况下自动焊接 he automatic flow soldering is to	40 ~ 80 sec 40 ~ 80 sec nes (max)	c, 2 times (max) 260°C max 240°C Time:S
				< Temperature pro	ofile >	
 8. Other precautions其他注意事项 8.1 印刷基板的安装孔尺寸参见产品图。 Follow recommended P.W.B. piercing plan in outside drawing page. 8.2 注意不要施加超负荷的压力或晃动开关。 Please be cautions not to give excessive static load or shock to swiches. 8.3 进行焊接过程中,不可以用溶剂或类似品清洗开关 Following the soldering process, do not try to clean the switch with a solvent or the like. 8.4 防止助焊剂从开关的顶端渗入 Safeguard the switch assembly against flux penetration from its topside. 8.5 保管时尤其应注意避开高湿高温和有腐蚀性气体的环境。如需要长时间保存,请不要打开包装箱。 Preservation under high temperature and high high humidity or corrosive gas should be avoided Especially. When you need to preserve for a long period, do not open the carton. 						

