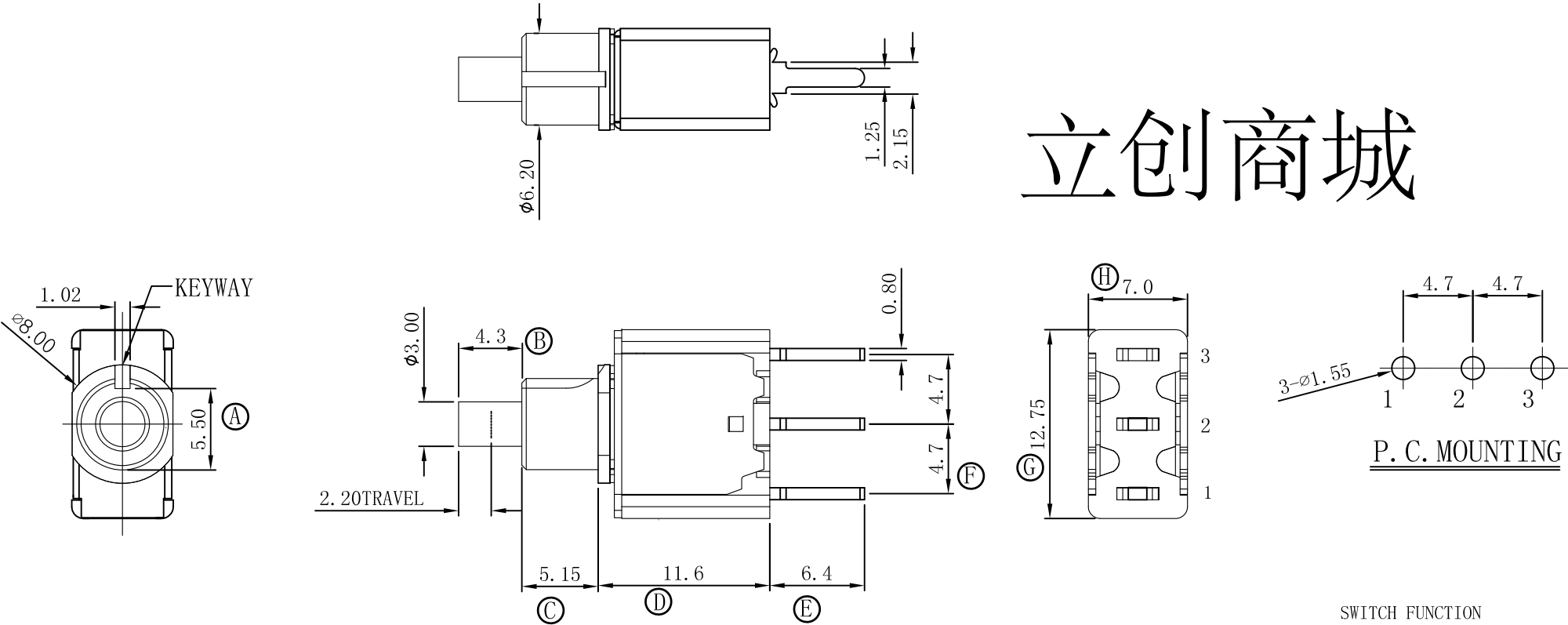


立创商城



Technical characteristics

SPECIFICATION:3 A max. @ 125 VAC.
1 A max. @ 250 VAC.
MECHANICAL LIFE:50,000 make-and-break cycles.
CONTACT RESISTANCE:20mΩ max.initial @2-4VDC
100mA for both silver.
INSULATION RESISTANCE: 1000 MΩ min.
DIELECTRIC STRENGTH: 1500 VAC min.
OPERATING TEMPERATURE: -30°C to +85°C.

Materials

CASE: PPA (94V-0)
HOUSING: Stainless Steel.
ACTUATOR: PBT.
BUSHING: Alloy ,nickel plated.
CONTACT/TERMINALS: Copper alloy silver plated.
RoHS

SWITCH FUNCTION

	POS. 1	POS. 2
Model NO.		
Term. Comm.	ON	ON
SCHEMATIC		

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YUENFUNG ELECTRONICS (SHENZHEN) CO., LTD

				公差 TOLEANCES		. X± 0.4 . XX± 0.25		角度 ± 5°		UNIT 单位 mm	SCALE 1:1	
				版本 VERSION	A0	比例尺 SCALE	NONE	日期 DATE	2023. 4. 24	TITLE 图名	PUSH BUTTON SWITCH	
				核准		核对		绘图	WSL	DWG NO. 料号	MPL00004ZNR	
版本 VER.	变更说明 CHANGE DESCRIPTION	日期 DATE	ECN NO.	APPROVED BY		CHECKED BY		DRAWN BY		PART NO. 型号	MPL-0-102-0002-L100-RS	



YuenFung Electronic(shenzhen)CO.ltd

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SPECIFICATION 规格书		承认书编号		
		版 本		A/0
		页 次		第1页 共2页
		发布日期		2020/5/11
WRITTEN 制定	雷艳平	审 核		
		APP'D审批		
MODEL SERIES NAME 系列名称:		ROCKER AND LEVER HANDLE SWITCH		
MODEL NO 产品型号:		MPL-0-102-0002-L100-RS		
1.RATING 额定值:		1A 250V AC / 3A 125V AC		
2.FUNCTION 接触型式:		SPDT 3P		
3. ELECTRICAL FEATURES:		ON-ON		
4.ELECTRICAL CHARACTERISTICS 电气性能规格:				
ITEM项目		TEST CONDITIONS 测试条件		PERFORMANCE 表现
4. 1	CONTACT RESISTANCE 接触电阻	MEASURED AT SMALL CURRENT(100mA OR LESS)1000Hz 在微小电流(100mA)以下测试.		50mΩ MAX 50毫欧以下
4. 2	INSULATION RESISTANCE 绝缘电阻	APPLY A VOL TAGE OF 500V DC FOR 1 MIN.TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE: (1)BETWEEN BODY AND CONDUCTOR. (2)BETWEEN CONDUCTORS NOT TO BE CONTACT. 输入500V DC电压1分钟,按以下接触方法测试: (1)接触端子之间. (2)塑胶体与端子之间.		1000MΩ MIN 1000兆欧以上
4. 3	DIELECTRIC STRENGTH 耐电压	AC1500V ims(50-60Hz)FOR 1 MIN : (1)BETWEEN TERMINALS. (2)BETWEEN INDIVIDUAL TERMINALS AND FRAME. 输入AC1500V (50-60Hz)电压1分钟,按以下接触方法测试: (1)接触端子之间.(2)塑胶体与端子之间.		NO DAMAGE TO PARTS ARCING,OR BREAKDOWN ETC. 没有绝缘破坏等异常.
5	PRACTICAL TEMPERATURE RANGE 使用温度范围	AT-25℃~+85℃ 在-25℃~+85℃温度内使用		
6	STANDARD ATMOSPHEIC CONDITIONS 测试标准状态	UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AS FOLLOWS: (1)AMBIENT TEMPERATURE:5℃TO35℃. (2)RELATIVE HUMIDITY:45%TO85%. 在没有指定的情况下测试温度,湿度如下: (1)湿度为5%~35% (2)湿度为45%~85%		
6. 1	STORE THE PERIOD 储存期	TEMPERATUER: 0℃~30℃ 温度: 0℃~30℃ DEGREE OF HUMIDITY 湿度40%~70%		THREE MONTH 三个月
7.MECHANICAL CHARACTERISTICS 机械性能规格:				
ITEM项目		TEST CONDITIONS 测试条件		PERFORMANCE 表现
7. 1	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF300gf SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOF 1 MIN,IN ANY DIRECTION 在任意一个方向的先端加上300gf力度测试,时间为1分钟.		ELECTRICAL CHARACTERISTICS SHALL BESATISFIED WITHOUT DAMAGEOR EXCESSIVE LOOSENESS OF TERMINALS 在排脚中没有裂开,松动等异常,满足于机械,电器性能.



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		发布日期		2020/5/11
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		APP'D审批		
ITEM项目		TEST CONDITIONS 测试条件		PERFORMANCE 表现
7.2	LIFE TEST 寿命测试	1.ENDURANCE WITHOUT LOADING:THE TEST SHOULD BE TAKEN AT A SPEED OF 6-8 CYCLES FOR 1 MIN;1.5 TIMES OF THE STANDARD FORCE 无负荷:每分钟6-8回速度测试压力不得超过标准力度1.5倍.进行测试 2.ENDURANCE WITH LOADING: THE TEST SHOULD BE TAKEN AT A SPEED OF 6-8 CYCLES FOR 1 MIN;OPERATE PRESSURE SHOULD BE UNDER THE1.5 TIMES OF THE STANDARD FORCE 负荷:在负荷的条件下以每分钟6-8回的速度压力不得超过标准力度1.5倍.进行测试		(1).30,000CYCLESCONTACT AT WITHOUT LOADING.在无负荷下30,000次接触 (2).10,000CYCLESMECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED10,000次满足于机械，电器性能；
8.DURABILITY 耐久性:				
ITEM项目		TEST CONDITIONS 测试条件		PERFORMANCE 表现
8.1	SOLDERABILITY TEST 可焊性试验	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mmINTHE SOLDER BATH OF 230±10℃ FOR 3±0.5 SECONDS. 端子顶部被浸入锡焊池中2mm深,温度为230±10℃,时间为3±0.5秒.		THE AREA OF SOLDERING, SHOULD BE OVER75%. 焊接面积要有75%以上.
8.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	SOLDER BATH METHOD:SOLDER TEMPERATURE260±5℃,IMMERSION TIME3±0.5SEC,IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD,DIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BEING ACCORDANCE WITH THOSE SPECIFIED IN THIS SPECIFICATION. 焊炉(波峰焊)焊接的时候温度控制在260±5℃,过炉时间3±0.5秒. 手焊接的时候温度控制在360℃±5℃， 时间为3±0.5秒		WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本体无变形,能满足于机械,电器性能.
8.3	HEAT TEST 耐热试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 85±2℃ FOR 96 HOURS.THEN THE SWITCH SHALLBE MAINTAINED AT STANDARD ATMOSPHERICCONDITION FOR 1 HOUR AFTER WHICHMEASUREMENT SHALL BE MADE. 放置在温度85±2℃中测试96小时后,再放置正常室温中1小时来测定.		THERE SHALL BE NO DEFORMATION OR CRACKSINMOLDED PART 外观无异常,满足于机械,电器性能.
8.4	COLD TEST 耐冷试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -20±30℃ FOR 96 HOURS,THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度-20±3℃中96小时后,再放置常温中1小时来进行测试.		
8.5	HUMIDITY TEST 潮湿试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 40±2℃ AND A HUMIDITY OF 90%TO95% FOR 96 HOURS.THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERE CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置40±2℃试验的相对湿度为90%-95%环境中96小时后,再将样板放在正常环境1小时后进行测试.		