样品承 <b>SPECIFIC</b>	CATION FOR	APPROVAL	
刑是	(Moder):	KCD1-B3	
			 关
而省	(Name) :	ROCKER S	
			승승국가
编制 Edit	审核 Check	批 准   Approved	│ 客户承认  C-Approved
黎印	孙良忠	方家民	

	规格书	编号 No.	
	SPECIFICATION	日期 DATE	2009-06-20
<ol> <li>1.2型号 MODI</li> <li>1.3 电路图 (</li> <li>1.4 额定值</li> <li>1.5 使用温度 OPI</li> <li>1.6 贮存温度 (</li> <li>2.外观与尺寸</li> <li>2.1 外观 APP.</li> <li>2.2 标识 (</li> </ol>	SNATION: 船形开关 ROCKER SWITCH JLE No.: KCD1-B3 CIRCUIT: CONSTRUCT RATING: 6A 250VAC 10A 125VAC GRATING TEMPERATURE RANGE: 0 TO 85℃ STORAGE TEMPERATURE RANGE: -20 TO 85℃ APPEARANCE AND DIMENSIONS AERANCE: 无影响产品使用性能的缺陷. There shall be no defects that affect the second	-	-
项目 ITEM	测试条件 TEST CONDITIONS	要求 R	EQUIREMENT
3.1 电气性能 E	LETRICAL PERFORMANCE: 开关处于闭合状态,用微电阻测试仪或高精度线性毫欧计		
接触电阻 CONTACT RESISTANCE		50mΩ max	
	触点间的绝缘和功能绝缘:		

RESISTANCE施加电压1分钟后进行测量 INSULATION RESISTANCE BETWEEN CONTACT AND OPERATIONAL INSULATION: A d.c. voltage of approximately 500V is applied between the open contacts of each pole of a switch and between the different poles of which all the parts is connected together, the measurement shall be made after the voltage is applied for 1 min.		10MΩ min	
		加强绝缘: 约500伏的直流电压施加在导电部件和覆在易接触的开关 外表面的金属箔及易接触的金属部件之间。施加电压1分 钟后进行测量 REINFORED INSULATION: A d.c. voltage of approximately 500V is applied between all live parts and a metal foil covering the outer accessible surface and accessible metal parts, the measurement shall be made after the voltage is applied forl min.	100MΩ min
	3.1.3 介电强度 DIELECTRIC STRENGTH	触点间和各极间的介电强度: 处于断开状态的开关的两触点间和开关的不同极之间,应 能承受基本为正弦波形,频率为50或60赫兹的1500伏电 压1分钟无击穿或闪络现象。 DIELECTRIC STRENGTH BETWEEN CONTACTS AND BETWEEN	无击穿或闪络现象 No flashover or breakdown shall occur

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项目 ITEM	测试条	要求	REQUIREMENT		
	DIFFERENT POLES: A voltage of subst a frequency of 50H is applied for 1 m the different pole	00v			
加强绝缘间的介电强度: 基本为正弦波形的、频率为50或60赫兹、数值为3000伏的 电压施加在导电部件和覆在开关的易接触外表面的金属箔 及易接触的金属部件之间应无击穿或闪络现象发生。 No flasho DIELECTRIC STRENGH BETWEEN REINFORE INSULATION: A voltage of substantially sine wave form, having a frequency of 50Hz or 60Hz and the value of 3000v is applied for 1 min between all live parts and a metal foil covering the outer accessible surface and accessible metal parts.					
surface and accessible metal parts.3.1.4开关首先在无电流通过的情况下,作20个操作循环,然后 将操作件停留在最不利的"闭合"位置,开关通以电流,其 值为电阻性负载最大额定电流的1.06倍,试验电流至少维 持一小时或维持到端子温度稳定。当每隔5 分钟读取连续 的三个读数变化不大于±2℃,即认为温度稳定.测得的温 升不应超过45K.First of all, the switches are subjected to 20 operating cycles with no current flowing. Then the actuating member is left in the most unfavourable "ON" position and the switches are loaded with a current of 1.06 times the maximum rated current for resistive load. The current is maintained at least for one hour or until a constant temperature at the terminal is attained. A temperature is considered to be constant when three successive readings obtained at every 5min of which value indicate no change greater than ±2℃.端子温升不超过45K; 端子温升不超过45K; 法保件温度不超过85℃ 金属操作件温度不超过85℃ 金属操作件温度不超过 金属操作件温度不超过 金属操作件温度不超过 金属操作件温度不超过 金属操作件温度不超过				品度不超过85℃; 作件温度不超过60℃。 pperature rise at minals shall not 45K. pperature of ng members shall seed 85℃; nctuating members	
3.2 材料性能 MA	TERIAL PERFORMANCE:				
3.2.1 开关材料的阻燃 性:灼热丝试验 RESISTANCE TO FIRE: GLOW WIRE TEST	受850℃的灼热丝试到 试验。 For nometal parts maintain or retain should be carried	本在其相对位置的非金属零件应能 验, 其他零件应能承受650℃的灼 which are in contact with, n the live parts in position out the glow wire test at the parts should be carried out th the 650℃.	热丝 火焰30秒 No flam out in leave av	ne or the flame fire 30S when glow wire	
3.2.2 开关材料的耐热 性:球压试验 RESISTANCE TO HEAT: BALL PRESSURE TEST	保持、支持带电导体在其相对位置的非金属零件应能承 受125℃的球压试验,其他零件应能承受75℃的球压试验。 For nometal parts which are in contact with, maintain or retain the live parts in position electrical should be carried out the ball pressure test at the 125℃. The other parts should be carried out the ball pressure test at the 75℃.			meter of the on shall not	
3.2.3 开关材料的耐漏 电起痕特性 RESISTANCE TO TRACKING	在不同极的导电部件之间、导电部件与接地金属部件之间、No flashover or breakdow				

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项目 ITEM	测试条件 TEST CONDITIONS	要求 REQUIREMENT
	between live parts and earthed metal parts and between the live parts and accessible surfaces of a switch shall be carried out the proof tracking test of 175V.	
3.3 机械性能 M	ECHANICAL PERFORMANCE:	
3.3.1 机械强度 MECHANICAL STRENGTH:	<ul> <li>将弹簧冲击器的释放能量校准到0.5Nm±0.04Nm,用弹簧冲击器对可触及的表面包括驱动元件进行冲击,对每一个认为薄弱的位置冲击三次。</li> <li>The spring- operated impact-test apparatus is calibrated to deliver an energy of 0.5Nm±0.04Nm Blows are applied to all accessible surfaces, including actuating members by the test apparatus. For all such surfaces three blows are applied to every point that is likely to be weak.</li> <li>首先对开关的按钮施加15N的拉力1分钟试图拉脱按钮,然后对所有按钮施加30N压力1分钟。</li> <li>First a pull of 15N shall be applied for 1 min to try to pull off the actuating number and secondly a push of 30N for 1 min is applied to all actuating member.</li> </ul>	试验后不应有影响开关安全 使用的损伤。 There shall be no damage to switch safety and usa
3.3.2 操作性能 OPERATIING PERFORMANCE:	用尽可能慢的速度按动开关的按钮。 To operate the actuating member of a switch as slowly as possible.	开关的动触点只能停留在"闭 合"和"断开"的位置,当按钮 放时,按钮会自动移动到或付 留在动触点对应的位置。 The moving contacts of a switch can come to rest only in the "on" and "off position. When the actuating member is released, it shall move automatically or stay in the position correspondin to that of the moving contacts.
3.3.3 插片端子 的安装强度 THE STENGTH OF TABS:	将80N的轴向压力和98N的轴向拉力依次无冲击地作用在开 关的插片上。 A axial push of 80N and a axial pull of 98N shall be applied in turn to the tabs of a switch without jerks	开关的插片不应出现明显的作 移和损伤。 No significant displaceme or damage shall occur.
3.4 耐久性能 E	NDURANCE:	
3.4.1 提高电压 加速测试 INCREASE- VOLTAGE AT ACCELERATED SPEED:	<ul> <li>测试电压 APPLIED VOLTAGE:</li> <li>1.15倍额定电压 1.15 times of rated voltage</li> <li>测试电流 APPLIED CURRENT:</li> <li>额定电流 Rated current</li> <li>操作循环数: THE NUMBER OF OPRATING CYCLE:</li> <li>100</li> <li>功率因数 POWER FACTOR :</li> <li>0.95±0.05</li> <li>环境温度 AMBIENT TEMPERATURE:</li> <li>25±10℃</li> </ul>	<ol> <li>所有的动作功能正常。</li> <li>通以额定电流,在周围温 为25±10℃的条件下进行温慧 测试,端子温升不应超过55K</li> <li>能够承受3.1.3条要求的7 的介电强度测试。</li> <li>All actions function as normal;</li> <li>The temperature rise te at the terminal carried of under rated current and ambient temperature of 2</li> </ol>
	26 <u>1</u> 18 C 操作速率 OPERATING RATE: 15次/分钟 15 operations per minute	$\pm 10^{\circ}$ C.

	规 格 书 SPECIFICATION	编号 No. 日期 DATE	2009-06-20
1五日 ІТЕМ			
项目 ITEM	测试条件 TEST CONDITIONS 操作速度 OPERATING SPEED: 大约80mm/s的线性速度 Approximately 80mm/s for lineal actions	the terminal c exceed 55K. 3.Can subject	to the
3.4.2慢速测试 SLOW SPEED TEST:	测试电压 APPLIED VOLTAGE: 额定电压 rated voltage 测试电流 APPLIED CURRENT: 额定电流 Rate current 操作循环数: THE NUMBER OF OPRATING CYCLE: 100	dielectric strength test which the test voltage shall be 75% the corresponding test voltage specified in clause 3.1.3.	
	功率因数 POWER FACTOR : 0.95±0.05 环境温度 AMBIENT TEMPERATURE: 25±10℃ 操作速率 OPERATING RATE: 15次/分钟 15 operations per minute		
	操作速度 OPERATING SPEED: 大约20mm/s的线性速度 Approximately 20mm/s for lineal actions	_	
3.4.3加速测试 ACCELERATED SPEED TEST:	测试电压 APPLIED VOLTAGE: 额定电压 rated voltage 测试电流 APPLIED CURRENT: 额定电流 Rate current 操作循环数: THE NUMBER OF OPRATING CYCLE: 9800		
	功率因数 POWER FACTOR : 0.95±0.05 环境温度 AMBIENT TEMPERATURE: 25±10℃ 操作速率 THE RATE OF OPERATIONS: 15次/分钟 15 operations per minute 操作速度 OPERATING SPEED: 大约80mm/s的线性速度 Approximately 80mm/s for lineal actions		
3.5 焊接性能 SC	LDERING PERFORMANCE:		
3.5.1可焊性试验 SOLDERING TEST:	端子顶部被浸入焊锡池中2mm深,温度230±5℃,时间3秒。 The tip of the terminal shall be dipped 2mm in the bath at temperature 230±5℃ for 3 sec.	浸入的部分75%」 覆盖。 A new uniform solder shall c minimum of 75% surface being	coating of cover a 6 of the
3.5.2 耐焊接热试验 RESISTANCE TO SOLDERING HEAT TEST:	焊锡炉的方法: 焊锡炉的温度控制在260℃±5℃,锅炉焊接的时间3±0.5 秒,基板的厚度为1.6mm。 SOLDER BATH MOTHOD: Solder temperature 260℃±5℃; Immersion time 3±0.5sec.	本体无变形, 能 气性能要求。 Without distor or excessive l terminals, Ele mechanical cha	ration of cas ooseness of ectrial and

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项目 ITEM	测试条件 TEST CONDITIONS	要求 REQUIREMENT
	the thickness of PCB 1.6mm.	shall be satisfied.
	手工焊接方法:	
	手工焊接的时候,温度控制在350℃±5℃,焊接的时间3 ±0.5秒,但不能在端子上施加异常力。	
	SOLDERING IRON MOTHOD: Control temperature 350℃±5℃;	
	Application time $3\pm 0.5 \text{sec}$ ;	
	However excessive pressure shall not be applied to the terminal.	
4、开关的枝	才料 MATERIALS OF THE SWITCH	
零件名称 PARTS	材料名称 MATERIAL	供应商 MANUFACTURER
基座 BASE	增强阻燃尼龙 PA66-B10	横店得邦工程塑料有限公司 HENGDIAN DEBANG CO.,LTD
按钮 PUSH BUTTON	增强阻燃尼龙 PA66-B10	横店得邦工程塑料有限公司 HENGDIAN DEBANG CO., LTD
米子 MOVING	增强阻燃尼龙 PA66-B10	横店得邦工程塑料有限公司 HENGDIAN DEBANG CO.,LTD
弹簧	弹簧钢丝	南通光明钢丝制品有限公司
SPRING 接触桥	STEEL WIRE 黄铜带 H62	NANTONG GUANGMING CO.,LTD 万泰铜业公司
CONTACT BRIDGE	BRASS H62	WANTAI CO., LTD
端子 TERMINAL	黄铜带 H62 BRASS H62	万泰铜业公司 WANTAI CO.,LTD
触点 CONTACT	AgNi10/Cu	上海松发合金材料有限公司 SHANGHAI SONGFA CO.,LTD

	批	車	Щ.	MARK /	标记			
	1 1	核 CHECK	设计 DESIGN	MOUNT	数量			
	; 淮 APPROVAL	HECK	DESIGN	MARK AMOUNT MODIFY FILE NO.	更改文件号			
田期				CHANGE BY	更改人			
DATE				DATE	日期			
		重量 WEIGHT	单位 UNIT	比例 SCALE	F NUJECI I UP	ANGLE	THE FIRST	第一视角
			mm	2.5:1	NO N		_ †\	
角度 ANGLE ±2°	$>30 \sim 120$	>6~30	$>0.5 \sim 6$	一般公差 GENE		L	Ц Т	
±2°	$\pm 0.30$	$\pm 0.20$	$\pm 0.10$	般公差 GENERAL TOLERANCE		<del>((</del>	Ð	)
		DESTGNATION	RUCNER SWIICHES	NGCED CWITCHES	十 江 江山		KCD1-C1-203051BB	

T85	使用温度 Ambient temperature
8±2N	操作力 Operation power
≥10000次	电气寿命 Endurance
≥1500V/5s	介电强度(工作绝缘) Dielectric strength
≪50m Ω	接触电阻 Contact resistance
≥100MΩ	绝缘电阻 Insulated resistance
6A 250V AC 10A 125V AC	额定电流、电压 Rated voltage Rated current
۵۵ ۹۹ ۹۹	电路图 Circuit
参 数 Parameter	项目Item

The	
Main	至
Thchnology	巨技术参数、
Performance	性能





