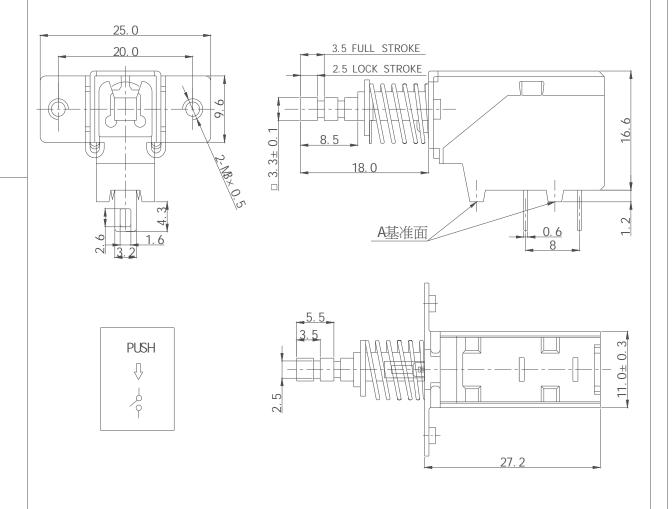
SWEETA PRODUCTS CORPORATION							
类型	POWER Switches	品 名	SPS16	S8L-N-M			
1. 功能规格							
1.1 额定电压	250VAC	1.6 自由位置(	FP)				
1.2 额定电流	5A	1.7 动作位置(	0P)				
1.3 接触电阻(	CR) ≤ 50mΩ (初始値)	1.8 行程(PT)		2. $5 \pm 0$ .	2mm		
1.4 操作力(0F)	$500 \pm 200 \text{gf}$	1.9 灵敏度(BT	)				
1.5 回弹力(RF)		1. 10					
2. 可靠度参数							
2.1 机械寿命	100,000 CYCLES	2.5 焊接工艺		手工焊			
2.2 电气寿命	6,000 CYCLES	2.6 操作温度		−25° C −	+65° C		
2.3 绝缘电阻(	IR) ≥ 500MΩ DC500V (初始値)	2.7 储存湿度		<85% RH			
2.4 耐压强度(	WV) AC2000V 1 minute (初始值	2.8					

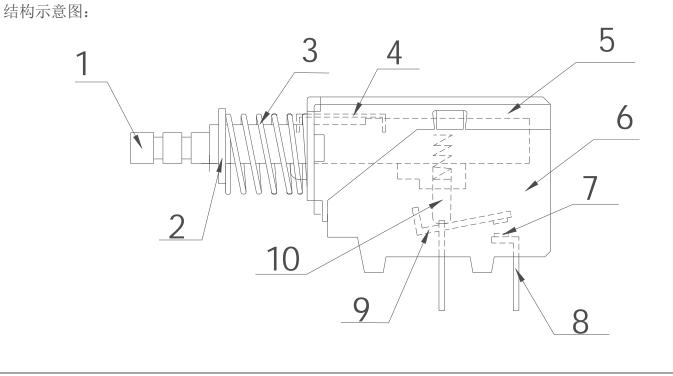
#### 3. 尺寸规格图



版本			修订内容			日期	修订人
文件编号				第CI	反第0次修订	一般公差	±0.2
文件名称			成品规格书			单位	mm
拟制	陈远胜	审核	张震荣	批准	谢成祥	生效日期	20120405

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Document No.	Document No.文件编号		DIC/PE168L-004		С	Page 页码	1/6
Material list 材	料清单					·	
NO.	Part Na	me 品名	Q'TY 数量	Generic Cla	ass 材质	SGS No. SGS	报告编号
1		em	1	PBT		见附件	SGS
1	型	物	1	PLASBL	ACK	见附件	SGS
2		kle 环	1	SPCC		见附件	= SGS
3	_	·ing 簧	2	SWP		见附件 SGS	
4		d Rod 立杆	1	SUS304		见附件 SGS	
5		ise 売	1	SPCC		见附件 SGS	
6	Base		1	PBT		见附件	= SGS
	底	座	1	PLASBL	ACK	见附件 SGS	
7		tact 点	2	Silver a 银合:	•	见附件 SGS	
8		minal 子	2	C2680		见附件 SGS	
9	_	Plate 奂片	1	C2680		C2680 见附件 S	
10	Ro	ller	1	Nylon		见附件 SGS	
10	滚	轴	1	PLASBLACK		见附件 SGS	

Structure chart:



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1、Gen	eral(一般特性):			•						
1.1 Swi	tch rating:	5A 250VAC (规格: 5A 2	50VAC)							
	rating temperature r	ange -25℃~65℃ (操作温度剂	范围: 25℃~65℃)							
_	ervative temperature		-25°C~75°C)							
	age humidity range		: <85%RH)							
2.Perfor	2.Performance 功能参数									
2.1 Elec	etrical characteristics(	电气特性)								
	Items 项目	Test condition	ns 测试条件			Crite	eria 标准			
2.1.1	Contact resistance 接触电阻	Applying a static load twice the operating force to the button, measurements shall be made between the terminals.  Measurement shall be made with a stabilization contact resistance meter for 2 m 0 precision under the condition which a voltage of								
2.1.2	Insulation resistance 绝缘电阻	each pair of terminals and between for one minute.  Measurement shall be made with resistance under the condition what applied between the terminals.  采用绝缘电阻测试仪,分别在相	Measurement shall be made with a test instrument of insulation resistance under the condition which a voltage of spec. voltage is applied between the terminals. 采用绝缘电阻测试仪,分别在相互绝缘的所有端子之间及各接线端子与外露的非金属零件之间加载规格电压(参见规格图 2.3 项),							
2.1.3	Dielectric withstand in voltage 耐压强度	across terminals and frame for one	Spec. voltage (Refer to 2.4 item of spec. drawing) shall be applied across terminals and frame for one minute. 在端子两端之间加载规格电压(参见规格图 2.4 项),持续时间为 1 分钟.							
3.Mecha	anical characteristics	机械特性								
3.1	Free Position 自由位置	Position of switch plunger or ac applied. 开关不受外力时之位置。	Refer to product 参考规构	_						
3.2	Operating Position 动作位置	Position of switch plunge or actuator at which point contacts snap from normal to operated position. Note that the case of flexible of adjustable actuators.  开关操动件受到外力后,由自由状态切换到动作状态的动作位置。 (注意防止盖片变形或按钮倾斜现象。)								
3.3	Operating Force 操作力	Placing the switch such that the vertical, and then gradually increather the maximum load for the button be measured. 置开关于垂直状态,渐增力度使抗	sing the load applied to come to operating	l to the b g position	outton, a shall	Refer to product 参考规构				

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	Items 项目	Test condit	ions 测试条件			Crit	eria 标准
3.4	Terminal Strength 端子强度	Placing the switch such that the vertical, a static load of 3kgf M terminal in the direction of opera 置开关于垂直状态,动作端子1 分钟。	ax shall be applied to	o the ti	p of the		shall be n of damag
3.5	Stem Strength 型物强度	Placing the switch such that the vertical, a static load of 3kgf Ma Stem in the direction of Stem ope 置开关于垂直状态,直接动作为钟。	x shall be applied to teration for one minute	he cente	er of the	mechan electrica 机械性	ically and
4. Solde	ring characteristics 炬	接性能				I	
4.1	Hand soldering 手工焊	Use a soldering iron of 30 approximately 3 seconds 1 time 焊接时需在 30 瓦烙铁,控制于件下进行。	e while applying solde	er.		coating shall minimu the su immerse (2)The no (appeara mechan function (1)覆锡入表面 (2)没有	ere shall be defects in the ical

SERIES 系列		POWER SWITCHES(SPS168L)	Issuance date 日期:		20060801		
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Items 项目		Test conditions	测试条件		Criteria 标准		
5. Durability characteristic:耐久性能							
	Mechanical life 机械寿命	(1) Without loading 无负载 (2) Operating speed :20cycles/min操作频率: 20次/分钟 (3) Push force: maximum value o推动力:操作力的最大规格 (4) Life: 100,000 cycles寿命: 100,000次	f operating force tw	ice	After test: (1)Contact resist 1 ohm Max (2)Insulation resist 10M ohm M (3)Withstand vol AC1500V, 1 n (4)Operating for 30% of initial (5)There shall defects in appear	istance: fin. tage: ninute ce: value be no	
5.1	(1) Operating speed: 20 cycles/minute 操作频率: 20 次/分钟 (2) Push force: maximum value of operating force twice 推动力: 操作力的最大规格值的两倍 (3) which the load of 5A 250VAC 负载为 5A 250VAC Life: 6,000 cycles 寿命: 6,000 次				defects in appearance of the mechanical function 试验后: (1)接触电阻:1 欧姆坦(2)绝缘电阻:10 兆星以上 (3) 耐 压 强 度 AC1500V, 1 分钟		

- 6. Special Requirements 特别要求
- 6.1 Hazardous Substance Management: Follow environmental requirements: Hazardous Substance,DIC/WI/G506. 危害物质管理: 遵循环境物质规范: 危害物质 DIC/WI/G506。
- 7. Marks explanation 标志说明
- 7.1 There should be "5A 250V~μ" rating and certification marks on upper housing.( Refer to individual product drawing) 开关上盖上应有电气额定值及安规认证标志: "5A 250V~μ" 及安规认证标志。
- 8. Packing explanation 包装说明
- 8.1 100 pcs for one bag,3 bags for one small box,6 small boxes for one big box. 100 pcs 为 1 袋, 3 袋为 1 小盒, 6 小盒为一箱。
- 9.Quanlity records of delivered goods 出货证明记录
- 9.1 Package boxes or package bags should be attached labels or identifiers of Model No., Quantity and Quality Pursuing No. 成品包装箱或包装袋上应附有产品型号、数量及质量追踪号的标签或标识。
- 9.2 There shall be quality records of inspection and test in package boxed. 出货产品包装批、出货批应附有产品检验、试验之质量证明记录。

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10. Application Notes: 注意事项

10. 1 All parts of the switch can not be dissolved before soldering.

开关焊接前各零件不能被熔化。

10. 2 Switches can not be blown with air gun or cleaned with a solvent after soldering.

开关焊接后不能用气枪吹干或用溶剂去清洗开关。

- 11. Incoming inspection declaring: 验收注意事项
- 11. 1 You must comply with the following principles in the process of the incoming inspecting and using our products, if not, we won't be liable for any damages from it.

我司交付贵司产品,在验收、使用进程中必须遵循以下原则,否则造成一切损失,我司概不负责。

11. 2 The requirement of the incoming inspection must meet the product's specification that have been affirmed and signed by you. If the following things appear in the process of the incoming inspection, the use is restricted, please feed back us in time, we will take back of all.

必须依据我司事先送贵司经贵司签认承认书相关规格要求验收、验收有以下情况请不予使用、退回我司。

11. 2. 1 The products that are attached or sticked by the unqualified labels;

附有或粘贴有检验不合格标识的产品;

11. 2. 2 In the process of the incoming inspection, he following main function parameters must be checked and they must meet the specification. If the sum of the badness rate is more than 1% in the process, the use is restricted, please feedback us in time, we will take back of all.

依承认书规格要求检验下列主要功能参数,必须符合要求,如在贵司验收过程有下述不良超过 1%,请贵司不要使用,及时知会我司并退回。

①Operating Force: (Refer to individual product drawing)

操作力: (参照规格图纸)

②Pre-travel: (Refer to individual product drawing)

行程范围: (参照规格图纸)

③Initial Contact Resistance: (Refer to individual product drawing)

初始状态接触电阻: (参照规格图纸)

4Soldering ability: 235  $\pm$  5°C/3S, the covering rate of tin is more than 90%;

可焊性(235±5℃ 3S, 覆锡率 90%以上)

⑤Function and action: the operation that the direction of switch operation is vertical with the up-surface of button isn't disabled;

功能动作:产品正压无动作失效;

11. 2. 3 If the serious packaging disrepair of products appears in the process of the incoming inspection, please refuse accepting them and return them to us directly.

贵司在验收过程发现外包装严重破损,请不予收货,直接退还我司。

11. 3 Operating requirement: the direction of switch operating is vertical with the up-surface of button;

使用压动方向:必须正压。

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- 11.4 For switches is a multi-function parameters part in our company, which are assembled by many components (Refer to individual product drawing), the max permitting badness rate is 500 ppm in producing process. If the damages are for our producing process badness aim, we won't be liable for it. 由于开关属多件组合成的多功能参数部件,属于我司产品主要功能参数 (参照规格图纸)不良的制程允许不良率为 500ppm。在此制程不良目标内导致不良损失,我司不负责任。
- 11. 5 If badness rate of the main function parameters which is more than 500ppm or the sum of rate is more than 1500ppm appears in your producing process, please stop using them immediately and feed back us to do with it in time.
  - 如贵司制程发现属我司产品主要功能参数不良导致制程不良率超过 500 PPM,或总制程不良率超过 1500PPM,请立即停止使用我司产品,并及时知会我司处理。
- 11. 6 If your incoming inspection is careless and it arose that the badness rate of your producing process is more than 1%, we won't be liable for the damage.
  - 因贵司进料验收漏失,导致超过1%以上制程不良损失,我司不负责任。