



注：1.帶\*號為重點尺寸。

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00	ORIGINAL DRAWING		2014-09-02	03	
.ISSU.	REVIAION		DATE	02	
			TOL.UTHERWISE SPEC	深圳明佳创新电子有限公司 型号 TYPE NO.	
			BASIC DIMENSIONS		
DSGD.	CHKD.	APPD.	L ≤ 10	±0.3	TD1201H1-25R-000
			L > 10	±0.5	
	SCALE	2:1	100 ≤ L	±0.8	MJ-TD1201H1-000
	UNIT	mm	ANGLE	±5°	
				图号 DRAWING NO.	

**1、General一般事项**

Scope	适用范围
1.0 Ambient temperature 周围温度	5℃~30℃
1.1 Relative humidity 相对湿度	45%~85%
1.2 Operating temperature range: -10℃~70℃	使用温度范围: -10℃~70℃
1.3 Storage temperature range: -45℃~85℃	保存温度范围: -45℃~85℃
1.4 Test conditions	试验状态
Standard atmospheric conditions:	标准状态:
Unless otherwise specified, the standard range of atmospheric conditions for making measurements and test is as follows:	无特别规定之实验及测定以温度:
Ambient temperature:5~35℃ Relative humidity:45~85%	5~35℃, 相对湿度: 45~85%,
Air pressure:860mbar to 1060mbar.	气压: 860~1060mbar之标准状态测定。
If there is any doubt about the results,measurements shall be made within the following limit:	发生判定疑问或另有特别要求则以
(Ambient temperature:20±2℃ Relative numidity:60~70%	基准状态 (温度: 20±2℃, 相对湿
Air pressure:860mbar to 1060mbar).	度: 60~70%, 气压: 860~1060mbar)
	为标准测定。

**2 ELECTRICAL CHARACTERISTICS电气特性**

Item 项目	Conditions 条件	Specifications 规格
2.1 Contact resistance 接触阻抗	电压下降法测定 Shall be measured at 1KHz±200HZ (Max50mA, Max 20mV) or 5V DC, 1A by a voltage drop method After life test 寿命测试后	50mΩ Max  80mΩ Max
2.2 Insulation resistance 绝缘阻抗	To be measured with an insulation device of 500V DC between all the terminals and between all the frame for 1minute±5seconds 以500V DC 之电压加于端子互相之间及端子与外壳间一分钟±5秒测试之	More than 100MΩ 超过100MΩ
2.3 Voltage proof 耐电压	1000V AC(50-60Hz)being applied between all the adjacent terminals and between all the terminals and the frame for 1minute±5sec 以1000V AC 之电压加于端子互相之间及端子与外壳间一分钟±5秒测试之	No breaking insulation 不可有绝缘破坏现象
2.4 Rating 额定电压电流	N/A	125V AC 6A, 250V AC 3A, 30V DC 4A

**3.0 MECHANICAL CHARACTERISTICS机械性能规格**

3.1 Operating force 动作力	N/A	2.8-3.6Kgf/cm
3.2 soldering 焊锡性	Regarding preheating, the entire flow duration should not exceed 2minutes, and soldering surface temperature (undersurface of PCB) shall be settled within 100 Temperature of solder 焊锡温度 260±5℃ Duration of dipping 浸泡时间 5-10seconds	More than 90% of the dipped part shall be covered by solder 焊锡覆盖90%以上浸泡处
3.3 Terminal strength 端子强度	A static force of 1000gf being applied in one direction on the tip of the terminal for 1minute one time per terminal 端子前端任何一方向加1000gf之静负荷一分钟 (每个端子限制一次)	The terminal may be deformed but shall not sustain any problem as deviation and breaking of terminal and breaking of insulation material, electrical performance of the above 4 shall be assured 不能有端子脱落, 破坏及绝缘板破损现象 端子可以弯曲且实验后需通各电气性能
3.4 Control wobble 轴晃动	shall be measured by applying a static load of 100gf/cm to the control unit 适用于静止状态下, 于操作处顶端施压100gf/cm	Less than 1mm 小于1mm

3.5 Actuator strength 操作强度	A static force of 1kgf bring applid in the direction of operation (stopper-side) for 1 minute 沿操作部之操作方向（止动侧）加静负荷1kgf1分钟 A static force of 1kgf bring applid in the direction of pullingfor1 minute（the test of self-lock must be unblock) 在操作的拉出方向加1kgf的静负荷（于目标状态解除后，在作实验）	shall befree form pronounced wobble,deformation and mechanical abnormalities 不能有显著的松动，弯曲及机械异常现象发生
3.6 Soldering heat reststance	Flow solder condition 锡炉温度 to be performed in 10 seonds within 260±5°C Manual soldering condition condition 手焊温度 to be performed in 3 seonds max within 350±5°C The switch shall be maintained at standard atmoapheric conditions for 2hour after with measurement shall be made 焊锡后在常温冷却2小时后方可再按压	No abnormalities shall be observed in appearance and operation shall be assured. The section 2 below 外观无显著变形及动作无异常且满足之其电气性能

#### 4.0 ENDURANCE PERFORMANCE SPECFCATIONS耐久性能规格

4.1 Operating life (without load) 无负载寿命	10, 000cycle operations at a rate of 15-20cyle/minute within load 在无负载连续动作10, 000次（15-20次/分）	Contact resitance:max 80mΩ 接触阻抗：80mΩ Operating force:2.8-3.6kgf/cm 动作力：2.8-3.6kgf/cm
4.2 Operating life (with load) 负载寿命	10, 000cycle operations at a rate of 15-20cyle/minute within load of 30V DC 4A DC30V4A阻抗负载下连续动作10,000次10-20次/分	Contact resitance:max 150mΩ 接触阻抗：150mΩ Operating force:2.8-3.6kgf/cm 动作力：2.8-3.6kgf/cm

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