

承 认 书

SPECIFICATION FOR APPROVAL

客户名称: 湖南华秋数字科技有限公司

产品名称: 滑动开关

产品型号: TS-12-BDK-BR-BR-P1-B

备 注:

日 期: 2023. 8. 9

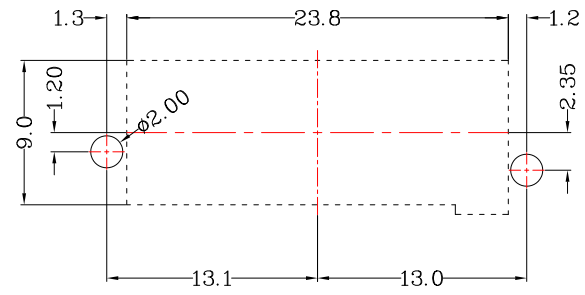
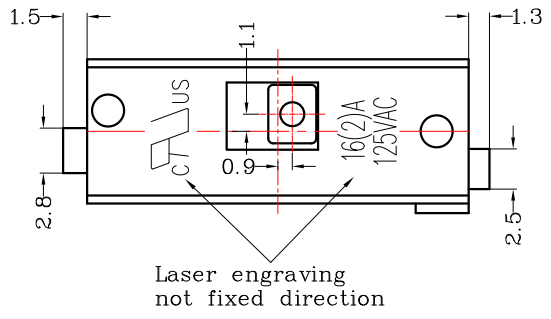
出厂承认	批准	审核	制定
	Jason	Jim	Prius
客户承认	批准	审核	主办
最终确认	<input type="checkbox"/> 认可	<input type="checkbox"/> 有条件认可	<input type="checkbox"/> 驳回
备注			

珠海拓林电子科技有限公司

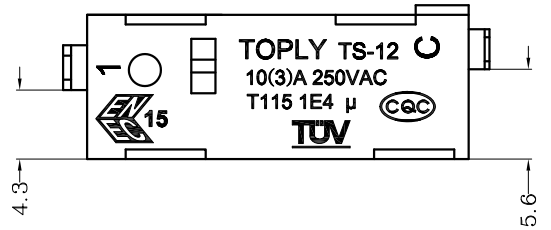
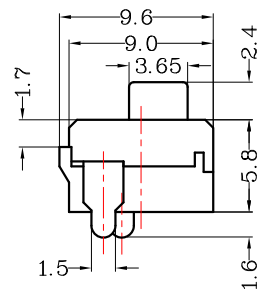
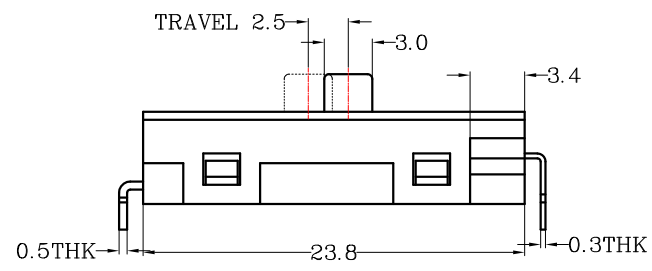
ZHUHAI TOPLY ELECTRONICS SCIENCE & TECHNOLOGY CO LTD

TEL: 0756-3378980、3378782 FAX: 0756-3378971

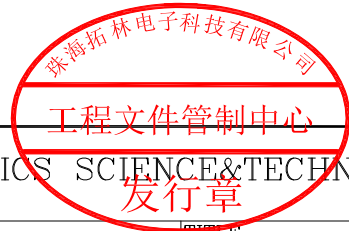
MARKS	MODIFICATION	QTY.	CHG.	BY	DATE



P.C.B MOUNTING



开关类别 Switch Category	拨动开关 Slide Switch
电路图 Circuit Diagram	C — 1
认证/规格 Approval / Rating	10(3)A 250VAC T115 1E4 μ TUV CQC 8(2)A 250VAC T115 1E4 μ 5(2)A 250VAC T115 1E4 μ ENEC 16(2)A 125VAC 8(2)A 250VAC T115 1E4 μ UL C_UL
接触电阻 Contact Resistance	≅ 30mΩ
绝缘电阻 Insulation Resistance	500VDC, 1Minute ≅ 100MΩ
耐压强度 Dielectric Strength	1500VAC, 5mA 1Minute
电气寿命 Electrical Life	10000 Cycles Of TUV CQC ENEC UL C_UL
操作力 Operating Force	2N ~ 6.5N 操作产品时请用水平操作力推动拨块，避免可能造成的开关通断不良现象



TOPLY ELECTRONICS SCIENCE&TECHNOLOGY CO.,LTD					
DRAWN		SCALE:		TITLE	
DATE		NOT SCALE		Slide Switch	
UNIT:		MODEL NO.		TS-12	
mm		FUNCTION:		REVISION	
CHECKED		TOLERANCE UNLESS STATED		00	
DATE		.X : ±0.30		DRAWING NO.	
APPROVED		.XX : ±0.20		PART NO.	
DATE		ANGULAR: ±3.0°		TS-12-BDK-BR-BR-P1-B	
Ben				FINISH	
				NO BURR	
				SHEET 1 OF 1	

File No.(文件编号) WI-EN-031-TS-12 Edition (版本):A2	Model No. (型号) TS-12-B Series	Prepared by (制定)	Checked by (审核)	Approved by (核准)
		Sam 2022-10-17	Jason 2022-10-17	Ben 2022-10-17

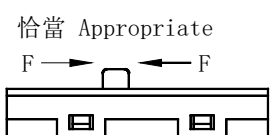
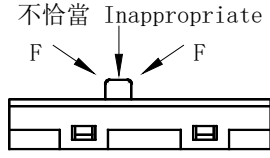
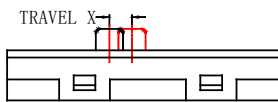
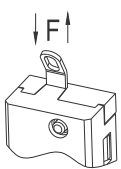
1. General [一般描述]	
1.1 Part name [产品名称]	Slide switch 2 positions [2 挡推拉开关]
1.2 Function[功能]	1P1T
1.3 Operating temperature [使用环境温度]	0°C~115°C
1.4 Standard testing condition [测试条件]	Normal Temperature (25°C±10°C)、Normal humidity (45~85%RH)、 Normal atmospheric pressure (860~1060hPa) [温度(25°C±10°C)、湿度(45~85%RH)、大气压力(860~1060hPa)]
1.5 Appearance [外观]	See attached dwg. [见附件图纸]
2. Approval / Rating [认证/规格]	See attached dwg. [见附件图纸]

Approval [安规]	Rating [规格]	Electrical life [电气寿命]	Remarks [备注]
TUV, CQC	10(3)A 250VAC ; T115; μ	1E4	Approved
ENEC	8(2)A 250VAC ; 5(2)A 250VAC ; T115; μ	1E4	Approved
UL, C_UL	16(2)A 125VAC ; T115; μ	1E4	Approved

3. Electrical Characteristics [电气特性]			
No. [序号]	Item [项目]	Condition [条件]	Criteria [标准]
3.1	Electrical life [电气寿命]	10,000 life cycles [10,000 周次]	Switch perform 10 cycles of normal function after max. electrical life [开关达到最大电气寿命后能继续运行 10 周次]
3.2	Contact resistance [接触阻抗]	Initial [起始]	≅ 30mΩ
3.3	Contact gap [接触间隙]	In off position [在 OFF 位]	<3mm
3.4	Insulation resistance [绝缘阻抗]	Between terminals to case at 500VDC for 1 minute [脚与外壳间承受 500VDC,保持 1 分钟]	≅ 100MΩ
3.5	Dielectric strength [耐压强度]	Between terminals of contacts 1000VAC 5mA for 1 minute [脚与脚间承受 1000VAC, 5mA,保持 1 分钟] Between terminals to button 1500VAC 5mA for 1 minute [脚与外壳间承受 1500VAC, 5mA,保持 1 分钟]	Measurement before life test, no flash or dielectric breakdown [量度于寿命测试前, 无闪光或击穿现象]

4. Physical characteristics [物理特性]			
No. [序号]	Item [项目]	Condition [条件]	Criteria [标准]
4.1	Mechanical life [机械寿命]	Perform 50,000 cycles operations [50,000 周次]	No detachable parts & switch w/ normal function [开关无损坏/功能正常]

WI-EN-031- TS-12 1 of 2	redact Specification: (产品规格) TS-12 Series	Zhuhai Topy Electronics Science&Technology Co.,Ltd 珠海拓林电子科技有限公司	Control Chop:
			

4.2	Operating force [操作力]	<p>恰當 Appropriate</p>  <p>不恰當 Inappropriate</p> 	<p>Operation force strength[操作力值]</p> <p>See attached dwg. [见附件图纸]</p> <p>Appropriate: Horizontal force apply to the button [恰当: 水平力推动拔块]</p> <p>Inappropriate: Non horizontal force push pull block [不恰当: 非水平力推动拔块]</p> <p>Unsuitable operations will affect switch functions. Please avoid. [不恰当的操作有可能造成开关通断不良, 请避免]</p>
4.3	Travel [行程]		X=2.5mm
4.4	Terminal strength [端子强度]	<p>Pulling & pushing force apply to the terminal vertically</p> <p>- Max.3 kg•f for other terminals [五金脚能承受垂直拔出/推入力]</p> <p>[- 插脚最大能承受 3kg•f]</p> 	<p>No detach of terminal [脚无推入及脱离现象]</p>
4.5	Solder ability of terminals [端子可焊性]	<p>Soldering temperature: 235°C by using tin notch or 350°C by using“B”shape iron [焊接温度:235°C锡槽或 350°C“B”型烙铁]</p> <p>Dipping time: 2~3seconds with the tin notch; Soldering time: <=2 seconds with the iron [锡槽浸渍时间 2~3 秒, 烙铁焊接时间最大 2 秒]</p>	<p>Solder should cover minimum 50% of soldering surface [焊料最少覆盖 50%焊接表面]</p>
4.6	Solder terminals resistance to soldering heat [端子耐焊性]	<p>Soldering temperature: 260°C by using tin notch or 350°C by using“B”shape iron [焊接温度:260°C锡槽或 350°C“B”型烙铁]</p> <p>Dipping time: 4~6seconds with the tin notch; Soldering time: <=3seconds with the iron [锡槽浸渍时间 4~6 秒, 烙铁焊接时间最大 3 秒]</p>	<p>No damage of plastic [塑料无损坏]</p>
4.7	Flammability rating [防火等级]	<p>Thermoplastic UL 94V-0 [热塑性塑料 UL 94V-0]</p>	

5. Remarks: [备注]

			Model No.(型号) TS-12-B Series	File No. (文件编号) WI-EN-031-TS-12
Derivation [更改要点]	Date [日期]	Name [签名]	Edition (版本) A2	

WI-EN-031-TS-12 2 of 2	redact Specification: (产品规格) TS-12 Series	Zhuhai Topy Electronics Science&Technology Co.,Ltd 珠海拓林电子科技有限公司	Control Chop: 
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If the special or particular requirement are not shown in the specification, please contact our company representative for further explanation.

[若在规格书内未有注明的规格, 请联系本公司的销售代表以获取详细解释。]

This specification is subjected to change without prior notice.

[此规格书如有更改, 恕不另行通知]