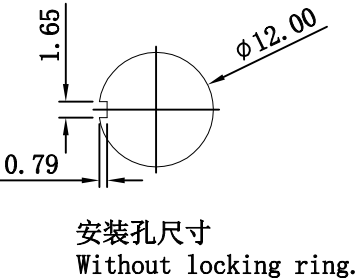
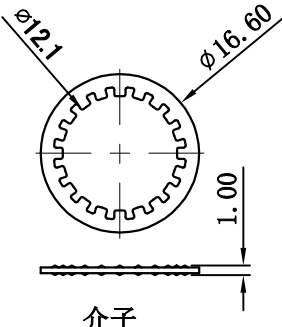
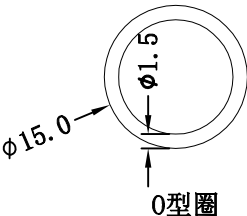
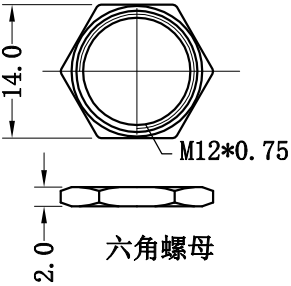
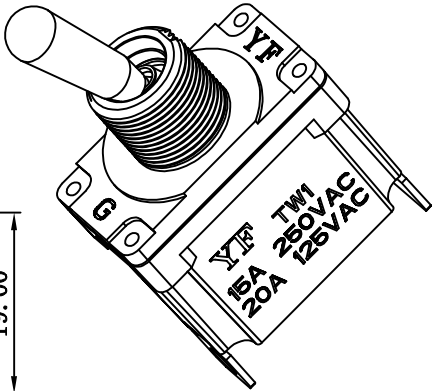
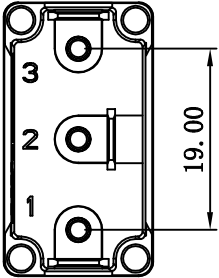
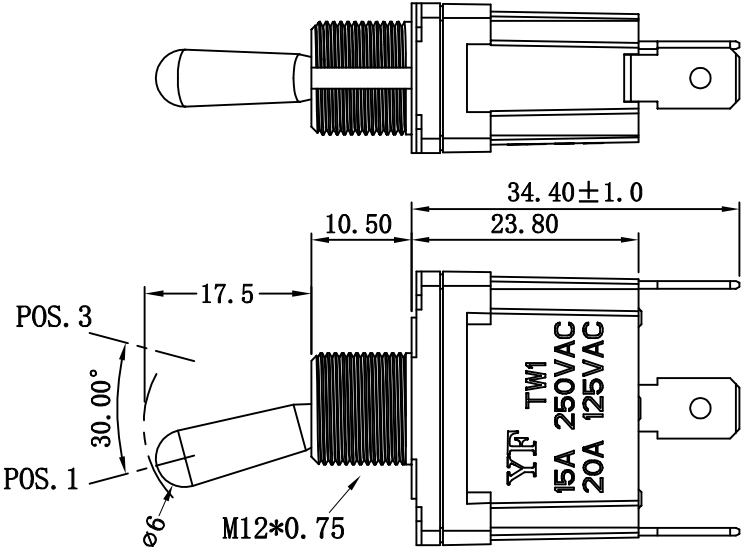
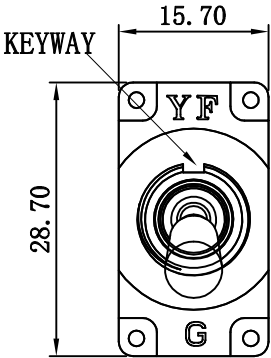


立创商城



手柄位置及导通端子示意图

Model NO.	POS. 1 KEYWAY	POS. 2	POS. 3
103	ON	OFF	ON
SCHEMATIC		N/A	

Technical characteristics

SPECIFICATION:15 A max. @ 250 VAC.
MECHANICAL LIFE:100,000 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.
DEGREE OF PROTECTION: IP67/IP68

Materials

CASE: Zamac alloy
HOUSING: NYLON UL94V0
ACTUATOR: Copper Alloy, chrome plated.
CONTACT/TERMINALS: Copper alloy .
RoHS

源丰电子(深圳)有限公司
Yuenfung Electronic Limited

				公差 TOLERANCES		.X± 0.5 .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. 3. 18	TITLE 图名	TOGGLE SWITCH	
				核准		核对		绘图	X Y F	DWG NO. 料号		
版本 VER.	变更说明 CHANGE DESCRIPTION	日期 DATE	ECN NO.	APPROVED BY		CHECKED BY		DRAWN BY		PART NO. 型号	TW1-0-103-A00P0-M00-A-WP	



YuenFung Electronic(shenzhen)CO.ltd

源丰电子(深圳)有限公司

SPECIFICATION 规格书		承认书编号		
		版 本		A/0
		页 次		第1页 共2页
		确认日期		2023/6/1
WRITTEN 制定	雷艳平	审 核		
		APP'D审批		
MODEL SERIES NAME 系列名称:		High Current Sealed Toggle Switch		
MODEL NO 产品型号:		TW1系列		
1. RATING 额定值:		15A 250VAC 20A 125V		
2. FUNCTION 接触型式:				
3. CIRCUITRY TRAIT:				
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.		初始值20mΩ MAX 20毫欧以下
4. 2	INSULATION RESISTANCE 绝缘电阻	APPLY A VOLTAGE 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 (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	A-30℃~+85℃ 在-30℃~+85℃温度内使用		
6	STANDARD ATMOSPHERIC 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℃ TO 35℃. (2) RELATIVE HUMIDITY: 45% TO 85%. 在没有指定的情况下测试温度,湿度如下: (1) 温度为5℃-35℃.(2) 湿度为45%-85%.		
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 OF 300gf SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 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 BE SATISFIED WITHOUT DAMAGE OR 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.



SPECIFICATION 规格书		承认书编号		
		版本		A/0
		页次		第2页 共2页
		确认日期		2023/6/1
WRITTEN 制定	雷艳平	审 核		
		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 ATA 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).100,000CYCLESCONTACT AT WITHOUT LOADING.在无负荷下100,000次接触 (2).10,000CYCLESMECHANECAL 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: 1. SOLDER TEMPERATURE260±5℃,IMMERSION TIME 3±0.5 SEC,IMMERSION DRPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6mmDIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BE ACCRDANCE TO THE SPECIFCATION 锡炉焊接的时候温度控制在260±5℃, 过炉时间为3±0.5秒,于基板厚度应为1.6mm; 2.SOLDERING IRON METHOD: BIT TEMPERATURE 360℃±5℃, APPLICATION TIME OF SOLDERING IRON3±0.5SEC HOWEVR EXCESSIVE PRESSURE SHALL NOT BE APPLIED TO THE TERMINAL.手焊接的时候温度控制在360℃±5℃, 时间为3±0.5秒, 但不能在排脚上施加异常压力		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 SWTICH 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 -25±3℃ 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-25±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.		
8.6	WATERPROOF TEST 防水试验	短时浸水试验,试样放进浸水箱后,样品底部到水面的距离至少为1m,试样顶部到水面距离至少为0.15m 试验时间:30 min		
DEGREE OF PROTECTION: IP67 开关符合IP67防水等级,内不会侵入粉尘及水并满足于机械性能				