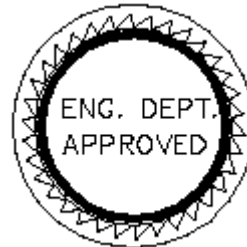


CHANGELOG OF THE DOCUMENT				
Version	Description	Page of modification	Issue by	Issue date
A	First released, RoHS compliant item	-	Amy	2010.01.06
B	Modify RoHS identifications & updated drawing	2,4-5	Polly	2020.03.21
C	Modify content	1,2	Polly	2020.06.10
D	Update material items	2	Polly	2020.08.04
E	Modify contact rating	1	Polly	2021.05.03

| SPECIFICATION FOR SEALED TOGGLE SWITCH |

ATTENTION	
<p><i>Customer shall acknowledge the datasheet by returning "this cover page with authorized signature" before placing order. Lack of acknowledgement or additional response constitutes acceptance of the herein contents.</i></p> <p>下單前請將此份"規格書封面簽回",未簽回則視為承認本規格書內容.</p>	
Approved By	Entered Date



CUSTOMER: _____

PART NO.: _____

TAIWAY P/N.: L7A-SP3-A10-B0-M3-P

DATE OF ISSUE: 2021 May 3

ISSUE BY: Polly Li

APPROVED BY: Amy Yen



Taiway Electronics Components Co., Ltd.

ISO 9001, 14001, IECQ QC 080000 Registered



Product Data Sheet

Page: 1 / 2

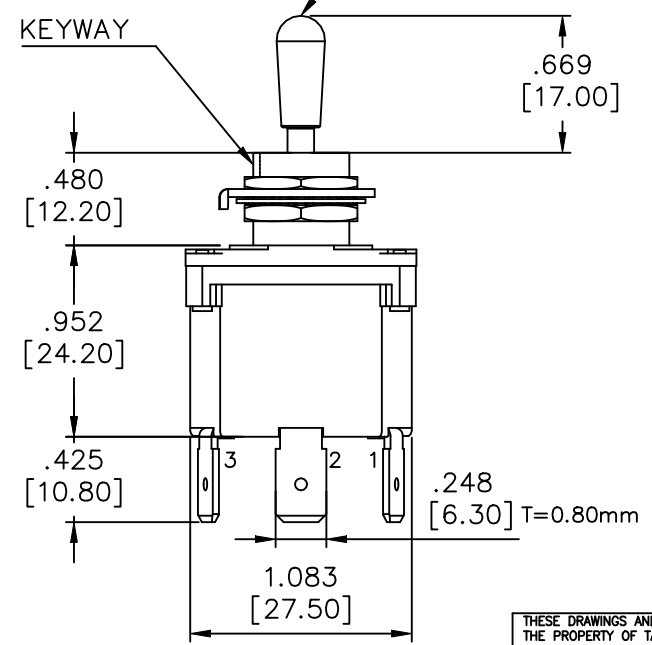
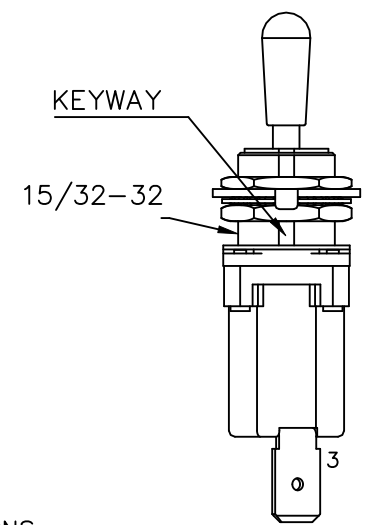
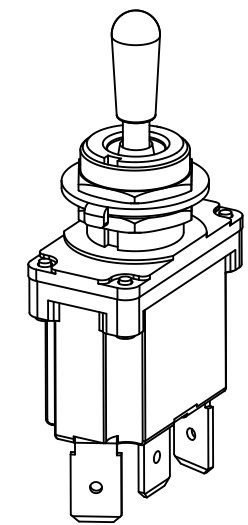
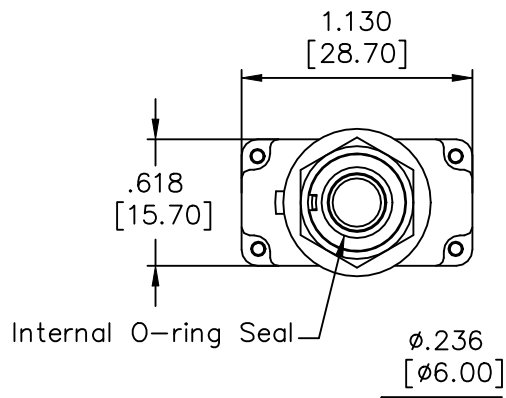
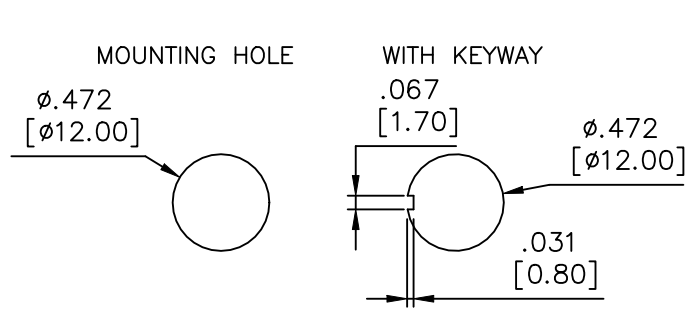
SWITCH TYPE:		Series L7A Environmentally Sealed Toggle Switch
POLES/THROWS:		SPST, SPDT, DPDT, DPST
SWITCH FUNCTIONS:		Please refer to individual drawing for details
ELECTRICAL CHARACTERISTICS	CONTACT RATING:	16A @ 125/250VAC, 12A @ 125/250VAC, 1/2 HP 125VAC, 1HP 250VAC (UL61058) 5A 125VAC (UL1054)
	ELECTRICAL LIFE:	30,000 make-and-break cycles at full load
	CONTACT RESISTANCE:	20m-ohms max. initial @ 2-4VDC, 100mA
	INSULATION RESISTANCE:	Apply 500VDC for 1 min. After which measurement to be made b/w terminals shall result 100M-ohms min.
	DIELECTRICAL STRENGTH:	1,500VAC (50Hz-60Hz) for 1 min. shall result no damage to parts arcing or flashover
	OPERATING TEMPERATURE:	-30Celsius degree to +85Celsius degree
RELIABILITY PERFORMANCE	MECHANICAL LIFE:	Without load, 30,000 cycles min.
	IP PROTECTION CLASS:	IP68 front panel protection
	SOLDERING HEAT RESISTANCE:	Max soldering temperature @ 260Celsius degree, immersion time 5+/-1sec. No deformation on terminal or surrounding enclosure
	COLD TEST:	Stored at temperature -30 (+/-3)Celsius degree for 48 hours, shall result no changes to switch's electrical performance
	HOT TEST:	Stored at temperature +85 (+/-3)Celsius degree for 48 hours, shall result no changes to switch's electrical performance
	HUMIDITY TEST:	Stored at temperature 40 (+/-3)Celsius degree with relative humidity 90%~95% for 48 hours, shall result no changes to switch's electrical performance
	SOLDERING TEMPERATURE:	Hand soldering @ 350 Celsius degree for 3sec. max. (No pressure to be applied on terminals)



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Product Data Sheet		Page:	2 / 2
MATERIALS	ACTUATOR:	Brass	
	BUSHING:	Aluminium die casting alloy	
	ORING:	Silicone gasket	
	CONTACT:	Silver alloy	
	BODY:	Nylon 66	
	TERMINALS:	Brass with tin plating	
	HARDWARE:	Steel with trivalent zinc plating	
PACKAGE IDENTIFICATIONS:	RoHS	A label marking "RoHS 2.0" will be attached to the carton box	
PRODUCT HANDLING &	<p>The switch is suitable for power rated applications, rating recommendation is per aforementioned above (Contact rating section)</p> <p>Problem relates to terminal oxidization can be prevented by storing product in an environment that is dry and cool with the relative humidity less than 90%. Noted, prior to mounting products onto circuit board as well as for unused units, it is recommended to keep them in the bag and with the bag sealed.</p>		
AGENCY APPROV			
	File No.: E133772		License No. ENEC-02764

REV. 更改	DESCRIPTION 說明	ENG. 修改人	APPROVE 審核



MODEL NO.	SWITCH POSITION		
SP-3	ON	OFF	ON
SP-4	(ON)	OFF	(ON)
SP-5	ON	OFF	(ON)
Term. Comm.	2-3	OPEN	2-1

SPECIFICATIONS:

- MOVABLE CONTACT: Copper alloy, silver plated
- TERMINALS: Brass tin plating
- RATING: 16A @ 125/250VAC
12A @ 125/250VAC(UL61058)
1/2 HP 125VAC / 1HP 250VAC(UL61058)
5A 125VAC(UL1054)
- CONTACT RESISTANCE: 20m-ohms max. initial
- INSULATION RESISTANCE: 100M-ohms min. @ 500VDC
- DIELECTRIC STRENGTH: 1,500V RMS @ sea level
- ELECTRICAL LIFE: 30,000 make and break cycles at full load
- OPERATING TEMPERATURE: -30°C to +85°C
- IP68 Protection Class
- HAND SOLDERING TEMPERATURE: 350°C for 3sec. Max.
(No pressure to be applied on terminals)

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF TAIWAY ELECTRONICS COMPONENTS LTD. AND SHALL NOT BE REPRODUCED COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF TAIWAY ELECTRONICS COMPONENTS LTD.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGULAR TOLERANCE: ±1.0°

DIMENSIONS	TOLERANCE
0.00 TO 10.00mm	±0.20mm
10.01 TO 20.00mm	±0.25mm
20.01 TO 30.00mm	±0.30mm
30.01 ↑	±0.40mm

泰瑋電子有限公司
TAIWAY ELECTRONICS COMPONENTS CO.,LTD.

USED 用途	L7A	APPD. 審核	Amy 2021/01/08
FINISH 處理		CHKD. 校對	Amy 2021/01/08
SCALE 比例	/	UNIT 單位	in(mm)
		DR. 製圖	Helen 2021/01/08
TITLE 名稱	SEALED TOGGLE SWITCH		
DWG NO. 圖號	L7A-SP3(SP4)(SP5)-A10-B0-M3-P		SIZE 圖紙
FILE NAME 檔案名稱	L7A-SP3(SP4)(SP5)-A10-B0-M3-P.dwg	SHEET 張	1 / 1
		REV. 更改	3

ITEM NO. 料號	L7A-SP3(SP4)(SP5)-A10-B0-M3-P YL7A-SP3(SP4)(SP5)-A10-B0-M3-P82
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