

機種規格說明書

(SPECIFICATION)

本公司使用機種:

OUR PART NAME

Push Button Switch (LED)

本公司使用名稱:

OUR PART NAME

PS1L-

-3M

客戶名稱:

CUSTOMER'S NAME

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Version : A

Drawing NO. : PS-032

1. Pole - position : 2P2T, 4P2T, Lock and momentary are available.

2. Operating temperature range : -20 °C ~ 70 °C

3. Rating : 30V DC 0.3A

4. Electrical performance :

	Item	Test Conditions	Criteria
4.1	Contact Resistance	DC 1.5V 100mA , by method of voltage drop	20mΩ MAX
4.2	Insulation Resistance	DC 500V	100MΩ MIN.
4.3	Dielectric Strength	AC 500V for 1 minute .	Breakdown is not allowable.

5. Mechanical performance :

	Item	Test Conditions	Criteria
5.1	Operating force	2P2T , 4P2T	200±100gf
5.2	Travel	Lock travel : 2.5 mm Full travel : 3.3 mm	
5.3	Timing	Non-shorting type	
5.4	Robustness of terminal	Any direction to apply a static load 500gf at end of terminal for 1 minute once for a terminal only	Terminal could be bent but loosened terminal or board broken is not allowable

備注:

(REMARK)

核 準

APPROVED

審 核

REVIEWED

經辦者

PREPARED

余 倩

鐘學峰

張 艷

2009.4.22

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TOP-UP INDUSTRY CORP.

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	Item	Test Conditions	Criteria
5.5	Robustness of actuator	Along operating direction to apply a static load 5Kgf to push/pull actuator	Actuator broken of any unusual appearance occurred on switch construction is not allowable.
5.6	Solderability	260±5°C in 3 seconds	75% Min

6. Resistance of soldering heat

6.1 Manual soldering : 300±5°C in 3 seconds

6.2 Dip soldering : 260±5°C in 3 second

7. Durability

Operating life without load after 10,000 cycles

7.1 Contact resistance : 50mΩ MAX

7.2 Operating force:

Within the range ±30% of operating force specification

7-3 Insulation resistance : DC 500V 10 MΩ MIN.

7-4 Dielectric strength : AC 500V for 1 minute.

備 注: (REMARK)	核 準 APPROVED	審 核 REVIEWED	經辦者 PREPARED
	余 倩	鐘學峰	張 艷
	2009.4.22	2009.4.22	2009.4.22

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8. Environmental performance

	Item	Test Conditions	Criteria
8.1	Cold	-20±2℃ for 96 hours	1. It should meet the requirements of item 4 2. Mechanical performance should remain to normal
8.2	Dry Heat	70±2℃ for 48 hours.	1. Contact resistance shall be less than 50mΩ 2. It should meet the requirements of 4.2 and 4.3 3. Mechanical performance should remain to normal
8.3	Damp Heat	40℃±2℃, 90%~95% RH for 96 hours.	1. Contact resistance should be less than 50mΩ 2. Insulation resistance shall be higher than 10MΩ 3. Dielectric strength should meet the requirements of 4.3 4. Mechanical performance should remain to normal

9. Led specification

LED Specifications will be furnished separately depending on its color.

ROHS COMPLIANCE

備注:

(REMARK)

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