

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

PB11-

-3M

客戶名稱:

CUSTOMER'S NAME

Page : 1 OF 2

Version : A

Drawing NO. : PB-011

1. Pole-Position : DPST, SPST

2. Momentary type : OFF-<ON>

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

4. Rating :100mA 12V DC

5. Electrical performance :

	Item	Test Conditions	Criteria
5.1	Contact Resistance	DC 1.5V 100mA , by method of voltage drop	200mΩ MAX
5.2	Insulation Resistance	DC 500V	100MΩ MIN.
5.3	Dielectric Strength	AC 500V(50-60Hz) for 1 minute .	Breakdown is not allowable.

6. Mechanical performance :

	Item	Test Conditions	Criteria
6.1	Operating force	Along the direction to apply a static load at end of actuator	250±100gf
6.2	Travel	Along operational direction , to apply a static load on top of the stem depressin stem gradually until it stops movement	4.5±0.2mm
6.3	Solderability	260±5°C in 3 seconds .	Solder coverage 75% MIN

7.Soldering heat resistance:

7.1. Manual:300±5°C in 3 seconds

7.2. Wave soldering:260±5°C in 3 seconds

8. Durability:

8.1. Operating life without load:1,000,000 MIN.

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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8.2. Operating life with load:200,000 MIN

8.3. Specifications:

8.3.1. Contact resistance:300mΩ MAX.

8.3.2. Operating force:within the range $\pm 30\%$ of specification

8.3.3. Insulation resistance:500V DC 10MΩ MIN.

8.3.4. Dielectric strength:500V ac for 1 minute,breakdown is not allowable

9.Environmental performance:

	Item	Test Conditions	Criteria
9.1	Cold	-20 $\pm$ 2℃ for 96 hours	1. It should meet the requirements of item 5 stated 2. Mechanical performance should remain to normal
9.2	Dry Heat	70 $\pm$ 2℃ for 96 hours.	1. The contact resistance should be less than 300mΩ 2. It should meet the requirements of 5.2 and 5.3 3. Mechanical performance should remain to normal
9.3	Damp Heat	40℃ $\pm$ 2℃, RH 90%~95% for 96 hours.	1. The contact resistance should be less than 300mΩ 2. The insulation resistance should be higher than 10MΩ 3. Dielectric strength should meet 5.3 stated 4. Mechanical performance should remain to normal

10.Led specifications:

Led specifications will be furnished depending on different led color demand.

ROHS COMPLIANCE

備 注: (REMARK)	核 準 APPROVED	審 核 REVIEWED	經辦者 PREPARED
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TOP-UP INDUSTRY CORP