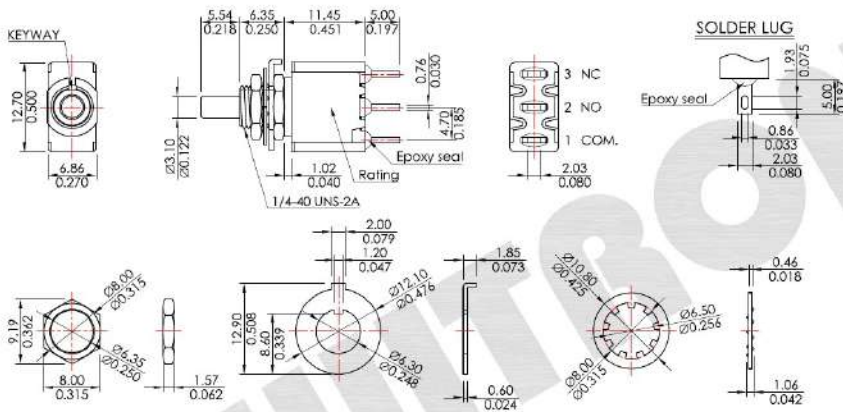


版本: V2.2

*閉關產品未經SWITRONIC同意, 請勿拆解, 否則無法負品質及安全責任。
Please do not decompose the switch without any permission from SWITRONIC,
otherwise the quality and safety responsibility could not be guaranteed.
*本圖面若與目錄之規格尺寸不符, 以本圖面規格尺寸為主。
Below is our main specification if different from catalog.

RoHS compliant



| MODEL NO. | POS.1 | POS.2 |
|------------|-------|-------|
| T701 | ON | (ON) |
| Term. Com. | 1-3 | 1-2 |
| Schematic | | |

T701BTXXD-G

| CONTACT AND TERMINAL MATERIAL | EPoxy SEAL | RoHS compliant |
|-------------------------------|------------|----------------|
| Q Silver plated | Y Yes | |
| R Gold plated | N No | |

SPECIFICATION

Rating: 1A @ 250V AC.
3A @ 120V AC or 28V DC
Contact resistance: 20mΩ Max. initial @2 - 4V DC
100mA for both Silver and Gold plated contacts.
Insulation resistance: 1000MΩ Min.
Withstand voltage: 1,000V RMS @seal level.
Operating temperature: -30°C ~ +85°C.
Mechanical life: 50,000 Cycles.
Soldering temperature: 250°C Max. for 3 sec
Soldering time: 1 time only.
Note1: Unwashable, don't be immersed by epoxy and organic solvent.
Note2: Please check the actual size, do not scale the drawing page.

MATERIAL

Case: Dialyl phthalate (DAP) (UL94V-0).
Plunger: Glass filled Nylon
Bushing: Brass, nickel plated.
Housing: Stainless steel.
Contact: Silver plated.
Terminal: Silver plated.

| 產品 PRODUCT | Pushbutton Switch | 型號 MODEL NO. | T701BTQYD-G |
|----------------|-------------------|-------------------|------------------------|
| 製圖 DRAWN BY | 檢圖 CHECKED BY | 主管 APPROVED BY | 單位 UNIT |
| Delon Lin | Chuck Young | Margaret Lee | mm |
| | | | 比例 SCALE |
| | | | 3 : 2 |
| | | | 公差 TOLERANCE |
| | | | .X=±0.4mm, .XX=±0.25mm |

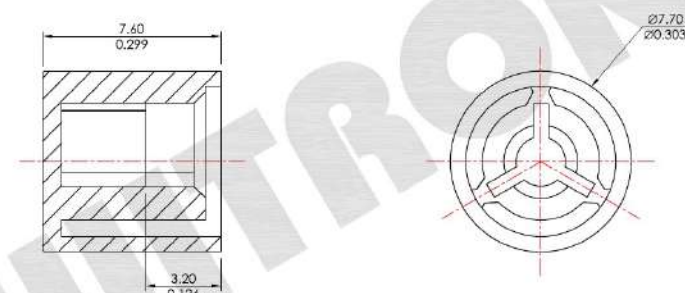
SWITRONIC
INDUSTRIAL CORP.
Switches

一錽電子企業股份有限公司
總公司: 110 台北市信義路四段415號13樓之3
13F-3 NO. 415, SEC. 4, HSIN YI ROAD, TAIPEI, TAIWAN
TEL: 886-2-27290229 (Rep.) FAX: 886-2-27582086
URL: http://www.switronic.com
E-MAIL: switches@ms36.hinet.net

版本: V2.2

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otherwise the quality and safety responsibility could not be guaranteed.
*本圖面若與目錄之規格尺寸不符, 以本圖面規格尺寸為主。
Below is our main specification if different from catalog.

RoHS compliant



T701C1XXD-G

| CAP COLOR | |
|-----------|--------|
| W | White |
| B | Black |
| R | Red |
| O | Orange |
| Y | Yellow |
| GN | Green |
| BU | Blue |
| BR | Brown |
| G | Gray |



SPECIFICATION

Note1: Unwashable, don't be immersed by epoxy and organic solvent.
Note2: Please check the actual size, do not scale the drawing page.

MATERIAL

ABS.

| 產品 PRODUCT | Cap | 型號 MODEL NO. | T701C1RD-G |
|----------------|------------------|-------------------|-----------------------|
| 製圖 DRAWN BY | 檢圖 CHECKED BY | 主管 APPROVED BY | 單位 UNIT |
| Allan Liao | Chuck Young | Margaret Lee | mm |
| | | | 比例 SCALE |
| | | | 5 : 1 |
| | | | 公差 TOLERANCE |
| | | | .X=±0.3mm, .XX=±0.2mm |

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一錽電子企業股份有限公司
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| 版本 VER. | 符號 SYMBOL | 修改內容 ALTERATION | 更新日期 DATE |
|------------|--------------|--------------------|--------------|
| V2.2 | △ | | |
| V2.1 | 無 | 改版 | 2015.06.24 |
| V2.0 | 無 | 新增製 | 2007.10.23 |

SWITRONIC INDUSTRIAL CORP.

MODEL NO: T70XXD SERIES

V2.1

V.DATE : 2017/04/24

1. Style

This specification describes “Snap-Acting Pushbutton Switches”, mainly used as signal switch of electric devices, with the general requirements of mechanical and electrical characteristic.

Operating Temperature Range : $-30^{\circ}\text{C} \sim +85^{\circ}\text{C}$.

2. Contact Rating:

2.1 Silver Plating Standard :

| Plating | | Rating |
|------------------------------------|---|--|
| Q=Silver | Fixed Terminal : Silver plated over copperalloy. Movable contact : Silver plated over copper alloy. | 3A @120VAC or 28VDC. 1A @250VAC. |
| C=Gold over silver | Fixed Terminal : Copper alloy with silver plated over gold plate. Movable contact : Copper alloy with silver plated over gold plate. | |
| S=Silver, pure-tin | Fixed Terminal : Copper alloy with silver plated , pure-tin. Movable contact : Silver plated over copper alloy. | |
| K=Gold over silver pure-tin | Fixed Terminal : Copper alloy with silver plated over gold plate, pure-tin. Movable contact : Copper alloy with silver plated over gold plate. | |

2.2 Gold Plating Standard :

| Plating | | Rating |
|------------------|---|----------------------------------|
| R=Gold | Fixed Terminal : Copper alloy with gold plate over nickel plate. | 0.4 VA Max. @20VAC or DC Max. |
| | Movable contact : Copper alloy with gold plate over nickel plate. | |
| G=Gold, pure-tin | Fixed Terminal : Copper alloy with gold plated over nickel plate, pure-tin. | |
| | Movable contact : Copper alloy with gold plated over nickel plate. | |

3. Type of Actuation: Snap-Acting Pushbutton Switches.

4. Test Sequence:

| ELECTRIC PERFORMANCE | ITEM | DESCRIPTION | TEST CONDITIONS | REQUIREMENTS |
|----------------------|------|---------------------------------|--|--|
| | 1 | Visual Examination | By Visual Examination check without and out pressure & testing. | There shall be no defects that affect the serviceability of the product. |
| | 2 | Contact Resistance | @2-4VDC 100mA. For both silver and gold plated contacts. | 20mΩ Max. |
| | 3 | Insulation Resistance | Measurements shall be made following application of 1000 V/DC 100mA potential across terminals and cover for 1 minute. | 1000MΩ min. |
| | 4 | Dielectric Withstanding Voltage | 1000 VAC(50Hz or 60Hz)0.5mA shall be applied across terminals and cover for 1 minute. | There shall be no breakdown or flashover. |

| MECHANICAL PERFORMANCE | | ITEM | DESCRIPTION | TEST CONDITIONS | REQUIREMENTS |
|------------------------|-----------|--|------------------------|--|---|
| | | 5 | Solder Heat Resistance | <p>①Manual Soldering : Soldering Temperature : Max. 350°C Continuous Soldering Time : Max. 3 seconds.</p> <p>②WAVE Soldering : Soldering Temperature:250°C. Duration of Solder Immersion: 3 seconds.</p> <p>Temperature Profile</p> <p>③Frequency of Soldering Process 1 times max. (PCB is 1.6mm in thickness)</p> <p>■ Precautions in Handling Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.</p> | <p>① Shall be free from pronounced backlash and falling-off or breakage terminals.</p> <p>② As shown in item 2-4.</p> |
| 6 | Vibration | <p>Shall be vibrated in accordance with Method 201A of MIL-STD-202F</p> <p>①Frequency: 10-55-10Hz in 1-min/cycle.</p> <p>②Direction: 3 vertical directions including the directions of operation</p> <p>③Test time:2 hours each direction.</p> | As shown in item 2~4. | | |

| | ITEM | DESCRIPTION | TEST CONDITIONS | REQUIREMENTS |
|------------------------|------|----------------------------|---|---|
| MECHANICAL PERFORMANCE | 7 | Shock | Shall be shocked in accordance with Method 213B condition A of MIL-STD-202F ①Acceleration: 50g ②Action time: 11±1m seconds. ③Testing Direction: 6 sides. ④Test Cycle: 3 times in each direction | As shown in item 2~4. |
| | 8 | Actuation Force | ①MODEL-1305N MECHANICAL TEST 500gram、1000gram、2000gram. ②TRAVEL: 1.0±0.2mm. | At for test the force. ①Force: 350±100grams. ②TRAVEL: 1.0±0.2mm |
| OPERATING LIFE | 9 | Operating Life | Measurements shall be made following the test forth below: ①1A@250VAC resistive load—silver plated. 3A@120VAC resistive load—silver plated. 0.4VA max@ 20VAC max resistive load—gold plated. ②Rate of Operation: 6-8operation cycles per minute. ③Electronics Life Test: 6,000 cycles. | ①Dielectric Strength: 1000V. ②Insulation Resistance: 1000MΩ min. |
| | | | Mechanical Life Test: 50,000 cycles. | Contact Resistance: 20mΩ Max. |
| HUMIDITY RESISTANCE | 10 | Resistance Low Temperature | Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 hour before the measurements are made: ①Temperature: -30±3°C ②Time: 96 hours. | As shown in item 2~4. |

| | ITEM | DESCRIPTION | TEST CONDITIONS | REQUIREMENTS |
|---------------------|------|-----------------------------|---|---|
| HUMIDITY RESISTANCE | 11 | Resistance High Temperature | Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before the measurements are made: ①Temperature:85±2°C ②Time:96 hours. | ①As shown in item 3-4. ②Insulation Resistance: 1000MΩ. |
| | 12 | Resistance Humidity | Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before the measurements are made: ①Temperature:40±2°C ②Relative Humidity:90~95% ③Time:96 hours. | ①Contact Resistance: 20mΩ Max. ②Insulation Resistance: 1000MΩ min. |
| | 13 | The Salt Testing | Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before the measurements are made: ①Temperature:35±2°C ②The ratio of salt-water : 5% ③The spray amout of salt- water : 1~2 ml/h. ④Time:48 hours. | The testing standard based on bubble, crack, And magnifying glass with gauge. |

一綺電子企業股份有限公司

SWITRONIC INDUSTRIAL CORP.

入料包裝方式 Packing for Products

袋裝方式 Packing for polybag

成品
Products



PE袋熱封
Sealed for PE-bag

Packing for polybag : 100 pcs / rolybag , Quantity thickness for polybag : 0.08 mm.

Quantity desiccating agent : 1 pcs , Quantity Styrofoam board : 0 pcs.

袋裝方式 Packing for polybag

成品
Products



PE袋
PE-bag

Packing for polybag : _____ pcs / polybag.

Quantity thickness for polybag : _____ mm , Quantity desiccating agent : _____ pcs.

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