

# 承 認 書

## SPECIFICATION FOR APPROVAL

|                                     |                   |
|-------------------------------------|-------------------|
| *客戶名稱<br>Customer name              | : 立创              |
| *產品名稱<br>Product Description        | : 按键开关            |
| *產品型號<br>Product part number        | : PB-22E69A-S-W-D |
| *客戶料號<br>Customer's material number | : C7428694        |
| *數量<br>Quantity                     | : 0 PCS           |
| *日期<br>Date                         | : 2025-4-28       |

| 供應商負責人簽名 |     | 客戶負責人確認簽回 |  |
|----------|-----|-----------|--|
| 製作人      | 李鵬  | 承認人       |  |
| 審核       | 王智淵 | 審核        |  |
| 批准       | 郭远维 | 批准        |  |

皓宇(香港)有限公司  
HAOYU (HONG KONG) LIMITED  
东莞市弘皓电子有限公司  
DONGGUAN HOOYA ELECTRONICS CO. LTD  
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Approved





DONGGUANG HAoyu ELECTRONICS CO., LTD

东莞市弘皓电子有限公司

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|                                                      |                                  |                                                                                                                                                                                                                             |  |                                                                                     |  |                                                                                     |  |
|------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|
| SERIES 產品系列                                          |                                  | VERTICAL PUSH SWITCH                                                                                                                                                                                                        |  | TYPE 產品型號                                                                           |  | (環保)                                                                                |  |
| DRAWN 設 計                                            |                                  | MO LI QIN                                                                                                                                                                                                                   |  | APVD 審 批                                                                            |  | GUO YUAN WEI                                                                        |  |
| 1. RATING (額定值): DC 12V 0.3A                         |                                  |                                                                                                                                                                                                                             |  | 2. FUNCTION(接觸型式): ON-OFF                                                           |  |                                                                                     |  |
| 2-1: OPERATING TEMPERATURE RANGE<br>操作溫度範圍: -25℃~85℃ |                                  |                                                                                                                                                                                                                             |  | 2-2 : PART STORAGE TEMPERATURE HUMIDITE NOT<br>LESSTHAN 70% 零件存儲溫度 5℃~30℃, 濕度低於 70% |  |                                                                                     |  |
| CONSTRUCTION DIMENSION 結構尺寸                          |                                  |                                                                                                                                                                                                                             |  | Apply to the appended drawing. 符合附加圖紙                                               |  |                                                                                     |  |
| ITEM 項目                                              |                                  | TEST CONDITIONS 測試條件                                                                                                                                                                                                        |  |                                                                                     |  | SPECIFICATIONS 規格                                                                   |  |
| 3. ELECTRICAL PERFORMANCE (電氣性能規格):                  |                                  |                                                                                                                                                                                                                             |  |                                                                                     |  |                                                                                     |  |
| 3A                                                   | CONTACT<br>RESISTANCE<br>接觸電阻    | BEING MEASURED AT 1KHZ SMALL<br>CURRENT CONTACT RESISTANCE METER.<br>在 1KHZ 小電流下測量.                                                                                                                                         |  |                                                                                     |  | 100mΩ max<br>100 毫歐以下                                                               |  |
| 3B                                                   | INSULATION<br>RESISTANCE<br>絕緣阻抗 | A VOLTAGE OF 250V DC SHALL BE APPLIED<br>FOR 1 MIN. AFTER WHICH MEASUREMENT SHALL BE<br>MADE.<br>BETWEEN TERMINALS<br>BETWEEN INDIVIDUAL TERMINALS AND FRAME<br>輸入 250V DC 電壓 1 分鐘,按以下接觸方法測試<br>(1) 接觸端子之間<br>(2) 開關本體與端子之間 |  |                                                                                     |  | 100MΩ min<br>100 兆歐以上.                                                              |  |
| 3C                                                   | DIELECTRIC<br>STRENGTH<br>耐電壓    | A VOLTAGE OF 250V AC SHALL BE APPLIED<br>FOR 1 MIN. AFTER WHICH MEASUREMENT SHALL BE<br>MADE.<br>BETWEEN TERMINALS<br>BETWEEN INDIVIDUAL TERMINALS AND FRAME<br>輸入 250V AC 電壓 1 分鐘,按以下接觸方法測試<br>(3) 接觸端子之間<br>(4) 開關本體與端子之間 |  |                                                                                     |  | WITHOUT DAMAGE<br>TO PARTS ARCING<br>OR BREAKDOWN ETC<br>沒有損傷 變形絕緣破壞等異常.            |  |
| 4.MECHANICAL PERFORMANCE(機械性能規格)                     |                                  |                                                                                                                                                                                                                             |  |                                                                                     |  |                                                                                     |  |
| 4A                                                   | OPERATING<br>FORCE<br>動作力        | A STATIC LOAD SHALL BE APPLIED TO THE TIP OF<br>ACTUATOR IN OPERATING DIRECTION<br>沿動作力方向推動膠柄至接近底部時之數值.                                                                                                                     |  |                                                                                     |  | 200 gf± 80 gf                                                                       |  |
| 4B                                                   | TERMINAL<br>STRENGTH<br>端子強度     | A STATIC LOAD OF 3.0 N(300gf) SHALL BE APPLIED TO THE<br>TIP OF THE TERMINALS FOR 1 MIN. IN ANY DIRECTION 1<br>CYCLE SHALL BE MADE PER 1 TERMINAL<br>在任意一個方向的前端上加力度 3.0N(300gf)1 分鐘每一個排腳<br>都測量一次                           |  |                                                                                     |  | E SATISFIED.WITHOUT DAMAGE OR<br>EXCESSIVE LOOSEN-ESS OF ACTUATOR<br>在端子中沒有裂開\鬆動等異常 |  |

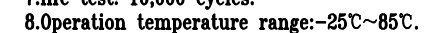
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|---------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 5. DURABILITY (耐久性) |                                            |                                                                                                                                                                                                                                                         |                                                                                                                                                    |
| 5A                  | SOLDERABILITY TEST<br>可焊性試驗                | THE TOP OF THE TERMINALS SHALL BEDIPPED 2mm IN THE SOLDER BATH OF 245 ±5℃ FOR 5S+0/-0.5S .<br>端子頂部被浸入焊錫池中 2mm 深，溫度為 245±5℃，時間為 5 秒+0/-0.5 秒.                                                                                                            | THE AREA OF SOLDERABILITY SHOULD BE OVER 95%<br>焊接面積要有 95%以上                                                                                       |
| 5B                  | RESISTANCE TO SOLDERING HEAT TEST<br>耐焊性試驗 | Hand weilding to be performed within 3 seconds at 380±5℃ .<br>手工焊接溫度為 380±5℃，時間為 3±0.5 秒。<br>Reflow welding to be performed within 5±0.5 seconds at 260±5℃. 回流焊接溫度為 260±5℃，時間為 5±0.5 秒<br>注：本產品只適合用手焊、回流焊。                                              | WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.<br>本體無變形，能滿足於機械、電氣性能。               |
| 5C                  | LIFE TEST.<br>壽命試驗                         | WITHOUT LOAD ( IT IS TESTED BY MACHINE , ACTING FORCE MUST BE PARALLED TO THE WAY OF PUSHING):<br>AN ACTUATOR SHALL BE SUBIECT TO 10,000 CYCLES AT A SPEED OF 15-18 CYCLES FOR 1 MIN<br>無負荷（只限於機器測試，作用力平行於按壓方向）：<br>操作者以每分鐘 15-18 次的頻率作 10,000 回之無負荷測試。 | (1) CONTACT RESISTANCE SHALLBE 2 Ω max<br>(2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BESATISFIED。<br>(1) 接觸電阻不能超於 2 Ω<br>(2) 其他滿足於機械電器性能。 |
| 5D                  | HEAT TEST.<br>耐熱試驗                         | 85±2℃ FOR 96 HOURS AFTER TEST KEEP IN NORMAL CONDITION FOR 60 MINUTES.<br>在 85±2℃環境中放 96 小時,再放在正常環境中 60 分鐘後進行測試。                                                                                                                                        | Contact resistance: 1000 m Ω Max.<br>接触电阻: 1000 m Ω Max 以下<br>Insulation resistance : 50 M Ω Min.                                                  |
| 5E                  | HUMIDITY TEST.<br>耐濕試驗                     | 40 ± 2 ℃ 90-96%RH FOR 96 HOURS, TEST AFTER KEEPING IN NORMAL CONDITION FOR 60 MIN.<br>在 40±2℃ 90—96%RH 環境中放 96 小時，再放在正常環境中，60 分鐘後進行測試。                                                                                                                  | 绝缘电阻: 50 M Ω Min. 以下<br>THERE SHALL BE NO DAMAGE ON APPEARANCE.<br>MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED                    |
| 5F                  | COLD TEST.<br>耐冷試驗                         | AT -25±3 ℃ FOR 96 HRS. AFTER TEST KEEP IN NORMAL CONDITION FOR 60 MIN.<br>在-25±3℃環境中放 96 小時,再置於正常環境中 60 分鐘後進行測試。                                                                                                                                        | 外觀無異常，滿足於機械，電器性能。                                                                                                                                  |
| 5G                  | SALT SPRAY TEST<br>噴霧試驗                    | AT 5% NACL LIQUOR FOR 24HOURS, AFTER WASHING, KEEP IN NORMAL CONDITION FOR 30 MIN.<br>5%的 Nacl 溶液中噴霧 24 小時，用水清洗並在室溫下放置 30 分鐘                                                                                                                            | WITHOUT EXCESSIVE CORROSION OR CRACK IN APPEARANCE (EXCEPT THE RIVETING POSITION)<br>表面無明顯腐蝕或鍍層脫落現象（铆压位置除外）                                        |

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6. 注意事項 (APPLICATION NOTES:)

- 1、在耐焊接過程中,不得把松香等絕緣、有腐蝕性物質浸入產品內。  
  
(ROSIN AND OTHER INSULATING AND CAUSTIC MATERIAL CAN NOT BE DIPPED INTO THE ROCKET DURING SOLDERING.)
- 2、產品焊接後不能用氣槍吹或用溶劑沖洗。  
  
(PRODUCTS CAN NOT BE BLOWN WITH AIR GUN OR CLEANED WITH A SOLVENT AFTER SOLDERING.)
- 3、產品焊接前各零件不能被溶化。  
  
(ALL PARTS OF THE PRODUCTS CAN NOT BE DISSOLVED BEFORE SOLDERING.)
- 4、避免儲藏於高溫、潮濕及腐蝕的場所。  
  
(AVOID STORING THE PRODUCTS IN A PLACE AT HIGH TEMPERATURE, HIGH HUMIDITY AND IN CORROSIVE GASES.)
- 5、貯存期限:自發貨之日起,貯存期不超過 180 天，且产品需要 PE 袋密封保存。  
  
(SHELF LIFE IS LESS THAN 180 DAYS SINCE THE GOODS WARE SENT OUT FROM OUR FACTORY. PRODUCTS NEED TO SEAL PRESERVATION PE BAG.)
- 6、本產品如有不良事件，望廠家及時回饋，以便及時記錄、查核、改善、跟蹤。  
  
( PLEASE FEEL FREE TO REPORT TO US IF YOU DISCOVER THE INFERIOR GOODS, SO THAT WE CAN TAKE NOTE, CHECK, TRACK AND IMPROVE THEM. THANKS.)

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