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L=4 \mathrm{~mm}
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hale laydut $\quad 0.05$


## CIRCUIT DIAGRAM

C：CDMMDN PIN
BGTTIM VIEW

| PART ND． | SSA－13D08－G4－NA |  |  | UNIT | 6 | TERMINAL | BRASS STRIP | 4 | Ag PLATED |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TIMING | Non－specified |  |  | mm | 5 | BASE | PHENDLIC RESIN | 1 | NATURAL |
| DRAWNCHECKED |  | $A P \vee D$ | TILERANCE |  | 4 | CINTACT CLIP | C5210R－EH | 1 | Ag CLAD |
|  |  |  | ANGLE | $\pm 3^{\circ}$ | 3 | SPRING PLATE | SUS301 | 1 | WASHING |
|  |  | UP TD 10 | $\pm 0.2$ | 2 | FRAME | SPCC | 1 | Ni |
|  |  | ABCVE 10～50 | $\pm 0.3$ | 1 | SLIDER | PDM | 1 | BLACK |
|  |  | ABCVE 50～100 | $\pm 0.5$ | ND． | NAME | MATERIAL | QTY | FINISHING |



|  |  | Item | Conditions |  | Specifications |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 5 | Humidity test | The switch shall be stored at a temperature of $40 \pm 2{ }^{\circ} \mathrm{C}$ and humidity of 90 to $95 \%$ for 96 hours． <br> Then the switch shall be maintained standard atmospheric condition for 1 hour ，after which measurement shall be made within 1 hour． | Contact Resistance | Less than 40 mohm． |
|  |  |  |  | Insulation Resistance | More than 10 Mohm after 500 V DC is applied for 1 minute． |
|  |  |  |  | Withstand Voltage | Withstand AC 250 V for 1 minute． |
|  |  |  |  | Appearance | No deformation or crack in molded part or excessive rust or discoloration．． |
|  | 6 | Change of temperature | The switch shall be subjected to 5 successive change of temperature cyclec，each as shown in table below． | Contact Resistance | Less than 40 mohm． |
|  |  |  |  | Insulation Resistance | 4.2 shall be satisfied |
|  |  |  |  | Withstand Voltage | 4.3 shall be satisfied |
|  |  |  |  | Operating force | 5.4 shall be satisfied |
|  |  |  |  | Appearance | No deformation or crack in molded part or excessive rust or discoloration．． |
|  |  |  | Temperature | Duration |  |
|  |  |  | $1-10+/-3{ }^{\circ} \mathrm{C}$ | 30 min |  |
|  |  |  | 2 Standard atmospheric condition | 10－15 min |  |
|  |  |  | $3 \quad 70+/-2{ }^{\circ} \mathrm{C}$ | 30 min |  |
|  |  |  | 4 Standard atmospheric condition | 10－15 min |  |
| 7 |  | Vibration | Only endurance conditioning by a frequency sweep shall be made．The entire frequency range，from 10 to 55 Hz be transversed in 1 minute． <br> Amplltued（total excursion）： 1.5 mm This motion shall be applied for a period of 2 hours in each of 3 mutually perpendicular axis（a total of 6 hours） | Terminal strength Actuator strength Operating force | 5.1 shall be satisfied |
|  |  | 5.2 shall be satisfied |  |  |
|  |  | 5.4 shall be satisfied |  |  |
|  |  | Electrical performance shall be satisfied． |  |  |
|  |  |  |  |  |
| 8 |  |  | Shock | Peak acceleration： $735 \mathrm{~m} / \mathrm{s}^{2}$ Duration of pulse： 6 msec ． Three successive shock shall applied in both directions of mutually perpendicular axis（a total of 18 shocks） | Terminal strength <br> Actuator strength <br> Operating force | 5.1 shall be satisfied |
|  |  | 5.2 shall be satisfied |  |  |  |
|  |  | 5.4 shall be satisfied |  |  |  |
|  |  | Electrical performance shall be satisfied． |  |  |  |
| 9 |  |  | Life test | （Endurance without load） A switch shall be subject to 10,000 cycles at a speed of 15 to 20 cycles per min． without load． | Contact Resistance | Less than 40 mohm． |
|  |  | Insulation Resistance |  |  | More than 10 Mohm after 500 V DC is applied for 1 minute． |
|  |  | Withstand Voltage |  |  | Withstand AC 250 V for 1 minute． |
|  |  | Operating force |  |  | Relative to the previously specified value．$+10 /-30 \%$ |
| 7．Other |  |  |  |  |  |

