| $\boldsymbol{N H T}$ | Technical Standards | Standard | 7.1 |
| :---: | :---: | :---: | :---: |
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1. Style:

This specification describes slide switch mainly used as small current and signal switch of electric device with the general required of mechanical and characteristics.

Operating and storage temperature range: $-30^{\circ} \mathrm{C} \sim+85^{\circ} \mathrm{C}$
2. Rated Current: 6A,125VAC/3A,250VAC or 28 VDC
3. Type of Actuation : Actuated by sliding.
4. Programmer of test :

| peculiarity | ITEM | DESCRIPTION | TEST CONDITION | REQUIREMENTS |
| :---: | :---: | :---: | :---: | :---: |
|  | 1 | Visual <br> Examination | By visual examination check without any pressure and testing | There shall be no defect that affect the function of the product |
|  | 2 | Contact <br> Resistance | (1)To be measured between the two terminals associated with each switch pole. <br> (2) Measurements shall be made with a 1 kHz shall current contact resistance meter. | $10 \mathrm{~m} \Omega \mathrm{MAX}$ (initial) |
|  | 3 | Insulation <br> Resistance | $500 \mathrm{VDC}, 1 \mathrm{~min} \pm 5 \mathrm{sec}$ | $1000 \mathrm{M} \Omega \mathrm{MIN}$ |
|  | 4 | Dielectric withstanding voltage | $1500 \mathrm{VAC}(50 \mathrm{~Hz}$ or 60 Hz$)$ shall be applied between all the adjacent terminals and between the terminal and the frame for 1 minute. | There shall be no breakdown or flashover |
|  |  |  | Applied in direction operation |  |
|  | 5 | Operating <br> Force |  | 10N max |
|  | 6 | Stop Strength | A static load of 30 N is applied in the operating direction and pulling direction operated for a period of 30 seconds. | There shall be no sign of damage mechanically |



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## 5. Safety Approval:

5.1 This series carry the UL approvals and c-UL(the same effect with CSA)
5.2 The File no.of UL:E123142
5.3 The applying category no.of UL:T80-S
5.4 The File no.of TUV:R50132949
5.5 The applying category no.of TUV:T80-S1 , T80-S2
5.6 The File no.of CQC:CQC08002027717
5.7 The applying category no.of CQC:T80-S1, T80-S2

## 6. Soldering Condition

- Condition for soldering

- Manual soldering :

| Soldering Temperature | MAX. $350^{\circ} \mathrm{C}$ |
| :---: | :---: |
| Continuous Soldering Time | MAX.3 seconds |

- Precautions in Handling :

1. Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.
2. Don't wash switch body.

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| :---: | :---: | :---: | :---: |

7. Material :
7.1 CACE : diallyl phthalate(DAP)(UL94V-0)
7.2 SLIDE HANDLE : Nylon
7.3 HOUSING: Stainless Steel
7.4 END CONTACTS : Copper alloy, silver or gold plated
7.5 CENTER CONTACTS \& ALL TERMINALS : Copper alloy, silver or gold plated
7.6 TERMINAL SEAL: Epoxy
8. PART NUMBERING OPTION:
8.1

| Model No. |  | Switching Position |  |  |
| :---: | :---: | :---: | :---: | :---: |
| SPST | TS-13(2P) | ON | NONE | OFF |
| SPDT | TS-13 | ON | NONE | ON |
| SPDT | TS-13A | ON | NONE | MOM |
| SPDT | TS-14 | ON | OFF | ON |
| DPDT | TS-11 | ON | NONE | ON |
| DPDT | TS-12 | ON | OFF | ON |

Actuator Options:
A1 / A2 / A3 / A4 / A5/A6/A7/
S1 (for 6P)
Actuator Color option

| Code | Color |
| :---: | :---: |
| 1 | White |
| 2 | Black |
| 9 | Gray |



RoHS code:
$\mathrm{H}=$ RoHS Compliant

Support Bracket Option:
S20: 8.89(SPDT)
S20: 10.16(DPDT)
S25: 13.67 (SPDT)


Contact / Terminal Plated Option:
See 9. Contact Option:
$\square$



## 9. Contact Option:

| OPTION <br> CODE | CONTACT PLATING | TERMINAL PLATING | RATING |
| :---: | :---: | :---: | :---: |
| Q | Silver plated | Silver plated | $\mathbf{6 A} @ \mathbf{1 2 5 V} \boldsymbol{A C}$ or 28 V DC;3A@250VAC |
| R | Gold plated over nickel <br> plated | Gold plated over nickel <br> plated | $0.4 \mathrm{VA} \mathrm{MAX} \mathrm{@20} \mathrm{~V} \mathrm{AC} \mathrm{or} \mathrm{DC} \mathrm{MAX}$ |
| G | Gold plated over silver <br> plated | Gold plated over silver <br> plated | $0.4 \mathrm{VA} \mathrm{MAX} \mathrm{@20} \mathrm{~V} \mathrm{AC} \mathrm{or} \mathrm{DC} \mathrm{MAX} \mathrm{or}$ <br> $\mathbf{6 A @ 1 2 5 V} \boldsymbol{A C}$ or 28 V DC;3A@250VAC |
| K | Gold plated over nickel <br> plated | Tin over nickel plated | $0.4 \mathrm{VA} \mathrm{MAX} \mathrm{@20} \mathrm{~V} \mathrm{AC} \mathrm{or} \mathrm{DC} \mathrm{MAX}$ |

