Technical parameter

Electrical properties：

1. Working voltage: ≤ 50V (DC)

2. Working current: ≤ 100mA

3. Contact resistance: 0.5 ~ 10 Ω

4. Insulation resistance: ≥ 100m Ω (100V / DC)

5. Base material withstand voltage: 2KV (DC)

6. rebound time: ≤ 6ms

7. loop resistance: 50 Ω, 150 Ω, 350 Ω, or as required by the user.

8. Insulation ink withstand voltage: 100V / DC

Mechanical properties：

1. Reliability service life: > 1 million times

2. Closing displacement: 0.1-0.4mm (tactile type) 0.4-1.0mm (tactile type)

3. Reference force: 15-750g

4. Migration of conductive silver paste: 10M Ω / 50VDC between two wires after 56 hours at 55 ℃, 90% temperature

5. There is no oxidation and impurity on the silver pulp line

6. silver paste line width ≥ 0.3mm, minimum interval 0.3mm, line burr < 1 / 3, line gap < 1 / 4 line width

7. pin spacing standard 2.54 2.50 1.27 1.25 1.0 0.5mm

9. The curvature resistance of outgoing line shall be continuously rolled 80 times with d = 10 mm steel rod.

Environmental performance

1. Working temperature: - 20 ℃ ~ + 70 ℃

2. Storage temperature: - 40 ℃ - + 85 ℃ 95% ± 5%

3. Atmospheric pressure: 86 ～ 106kpa

Printing index

1. The printing size deviation is ± 0.10 mm, and the shape sideline is not clear and the deviation is ± 0.1 mm

2. The chromatic deviation is ± 0.11mm/100mm, and the insulating ink is completely covered with silver paste line

3. No ink scattered, no incomplete handwriting

4. Color difference shall not be greater than level II

5. No crease or paint peeling

6. the transparent window is transparent and clean, with uniform color, without scratches, pinholes and impurities.