

Datasheet

Item no. TC-MS02

1. Operation Characteristics

Operating Force (OF)	Max. 146 gf
Releasing Force (RF)	Min. 35 gf
Free Position (FP)	: Max. 12.2 mm
Operating Position (OP)	: 11.4±0.3 mm
Movement Differential (MD)	: Max. 0.2 mm
Over-travel (OT)	: Min. 0.4 mm
Pre-travel (PT)	: Max. 1.1 mm

3. Environments

Operating Temperature	: -40 ~ 120 (with no icing)
Vibration Resistance	: 10~55Hz, displacement 0.75mm(p-p)
Shock Resistance	: Destruction: 1,000 m/s ² {approx. 100G} max. Malfunction: 300 m/s ² {approx. 30G} max.
Soldering by hand	: 350 maximum within 5 seconds.
Soldering bath	: 260 maximum within 5 seconds.

2. Specifications

Initial Contact Resistance	: Max. 30 mΩ . (Measured by ohm meter –Open Voltage<1VDC, Driver current -100mA) Before measure the switch contact resistance, please press the switch three times on and off.
Initial Dielectric Strength	: 1,000VAC(50-60HZ)/minute between contacts. 1,250VAC(50-60HZ)/minute Live-parts and dead metal parts.
Insulation Resistance	: Min. 100 MΩ (500 VDC/ minute) between Live-parts and dead metal parts.
Circuit Arrangement	: SPDT (Single pole double throw)
Rating	: 5A 125/250VAC
Service Life	: Min. 10,000 operations.
Rating Load	: Resistive Load.
Operating Frequency	: 10~30 operations per minute.
Safety Certificate	: UL, cUL
Mechanical Service Life	: Min. 10,000,000 operations.
Operating Frequency	: Max. 120 operations per minute.

