

Datasheet

Item no. TC-MS03

1. Operation Characteristics

Operating Force (OF)	:	Max. 34 gf
Releasing Force (RF)	:	Min. 8 gf
Free Position (FP)	:	Max. 17.3 mm
Operating Position (OP)	:	13.7±1.0 mm
Movement Differential (MD)	:	Max. 0.8 mm
Over-travel (OT)	:	Min. 0.8 mm
Pre-travel (PT)	:	Max. 4.6 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.

