Micro Switches



RoHS Compliant







MP010056 MP010058

Features

- · Subminiature switch conforming to UL
- PCB terminal
- · Highly reliable with long operating life.

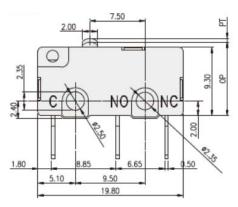
Application

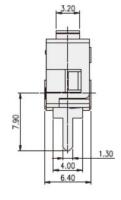
- Kitchen appliances
- · Vacuum cleaner, Printers
- Smart locks
- · White goods

	MP010056/MP010057	MP010058/MP010059	
Contact Rating	0.1A at 125V AC/0.3A at 30V DC	5A at 250V AC	
Mechanical Durability	1,000,000 cycles MIN		
Electrical Durability	10,000 cycles MIN.		
Contact Resistance	100mΩ MAX	50mΩ MAX	
Insulation Resistance	100mΩ Min.		
Dielectric Strength.	Between terminals of same polarity "AC 1000V 1 minute" Between current-carrying metal parts and ground "AC 2500V 1 minute" Between each terminal and non-current-carrying metal part "AC 2500V 1 minute		
Operating Temp.	-40°C to +105°C		

Diagram

MP010057/MP010059





Operating Characteristics

Item	Spec.	
Operating Force (OF)	204gf (2.0N) Max.	
Release Force (RF)	25gf (0.25N) Min.	
Pretravel (PT)	0.6mm Max.	
Overtravel (OT)	0.5mm Min.	
Movement Differential(Md)	0.2mm Max.	
Operating Position(OP)	8.1 ±0.5mm	

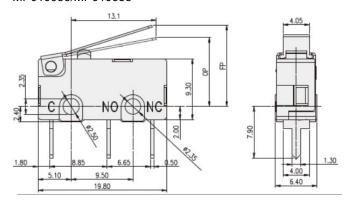
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Micro Switches

multicomp PRO

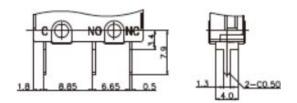
MP010056/MP010058



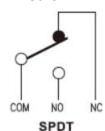
Operating Characteristics

Item	Spec.	
Operating Force (OF)	71gf (0.7N) Max.	
Release Force (RF)	9.5gf (0.094N) Min.	
Overtravel (OT)	0.5mm Min.	
Movement Differential (Md)	0.5mm Max.	
Operating Position (OP)	10.55 ±0.9mm	
Free Position (FP)	12.45mm Max.	

Terminals PCB (Straight)



Circuit



Ratings	Plating	Actuator	PCB Terminal
0.1A	Gold Contact	Bent Lever	MP010056
	Gold Contact	Pin Plunger	MP010057
5A	Silver Contact	Bent Lever	MP010058
	Silver Contact	Pin Plunger	MP010059

Part Number Table

Description	Part Number
Micro Switch, SPDT, 0.1A, 125V AC, Bent Lever, Through Hole	MP010056
Micro Switch, SPDT, 0.1A, 125V AC, Pin Plunger, Through Hole	MP010057
Micro Switch, SPDT, 5A, 250V AC, Bent Lever, Through Hole	MP010058
Micro Switch, SPDT, 5A, 250V AC, Pin Plunger, Through Hole	MP010059

Dimensions: Millimetres

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