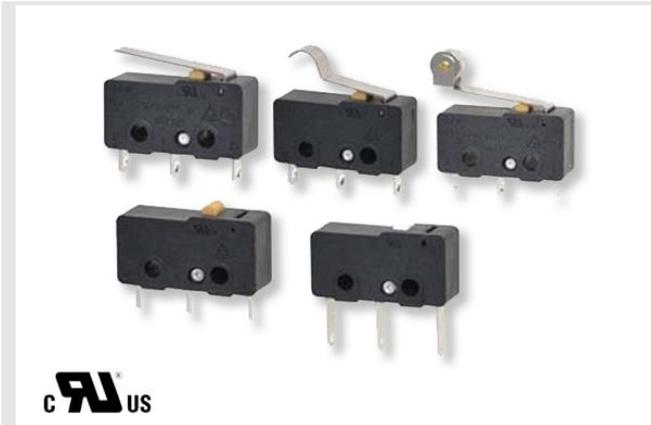


MDB SERIES - MINIATURE SNAP ACTION SWITCHES



Specifications:

Contact Rating and Material:	0.1A @ 125/250VAC (Silver Plated) 5A @ 125/250VAC (Silver alloy) 10.1A @125/250 VAC (Silver Alloy)
Contact size:	0.1A (Ø1.6mm) 5A (Ø2.0mm) 10.1A (Ø2.4mm)
Electrical Life:	100,000 cycles (0.1A) 50,000 cycles (5A, 10.1A)
Mechanical Life:	3,000,000 cycles (0.1A) 1,000,000 (5A, 10.1A)
Contact Resistance (initial value):	50mΩ Max
Insulation Resistance:	>100MΩ (500V DC)
Diaelectric Strength:	1500 VAC 50/60Hz for 60 seconds
Maximum Operating Frequency:	Mechanical: 100/min Electrical: 30/min
Operating Temperature:	-40°C to 125°C (Below 60%RH)
Weight:	~2g

Features and Advantages:

- Simple two-piece spring design for long operating life
- Available in solder lug, 0.110" quick connect, PCB pin termination options
- Available in pin plunger, lever, roller actuator options
- Available in different current ratings (0.1A, 5A, 10A) and operating forces
- UL/CUL/TUV/CQC Certications
- RoHS and Reach Compliant

Applications

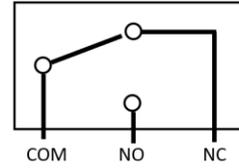
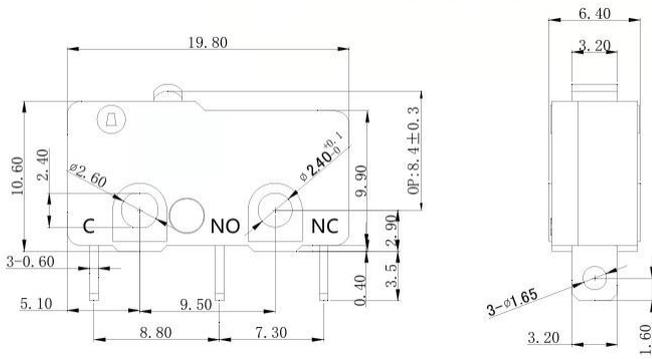
- Gaming devices
- Appliances
- Vending machines
- Power tools
- Robotic projects

Part Number Coding:

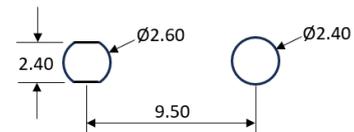
SERIES MDB	CURRENT	ACTUATOR	TERMINATION	OPERATING FORCE	CIRCUIT	BUTTON COLOR	CONTACTS
	A=0.1A B=5A C=10.1A	00=Button only 01-07: See Chart	P=PCB Pin S=Solder Lug Q=0.11" Quick Connect	15=15gf 25=25gf 50=50gf 100=100gf 150=150gf 250=250gf	1=SPDT 2=SPST (N.O.) 3=SPST (N.C.)	B=BLACK Y=YELLOW W=WHITE	S=SILVER G=GOLD PLATED

MDB SERIES - MINIATURE SNAP ACTION SWITCHES

Dimensional Drawing:



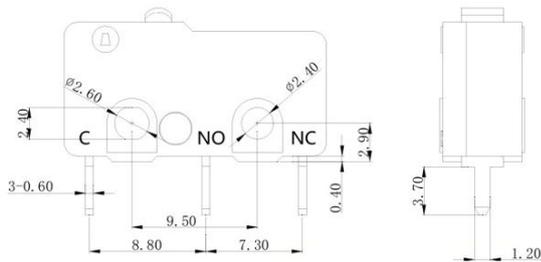
Schematic - SPDT



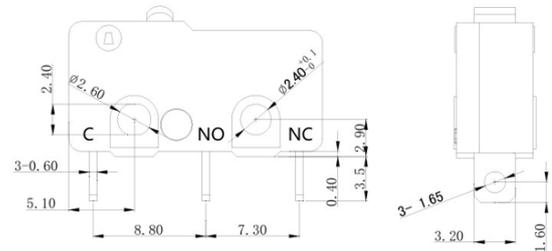
Mounting Holes

Termination Options:

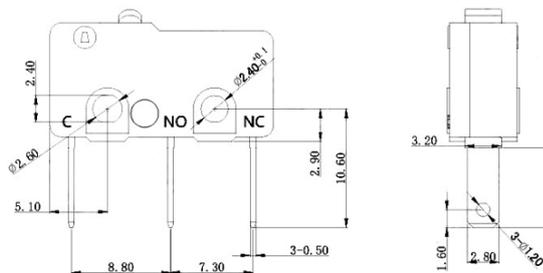
P PCB Pin



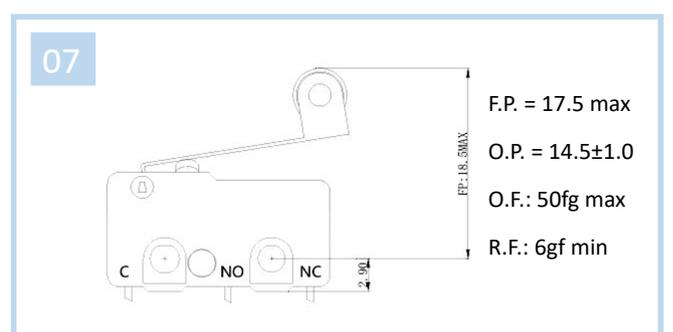
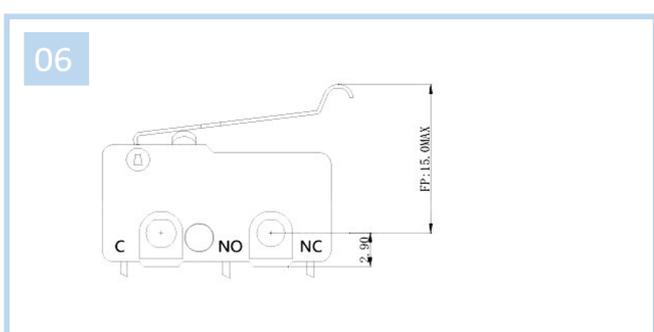
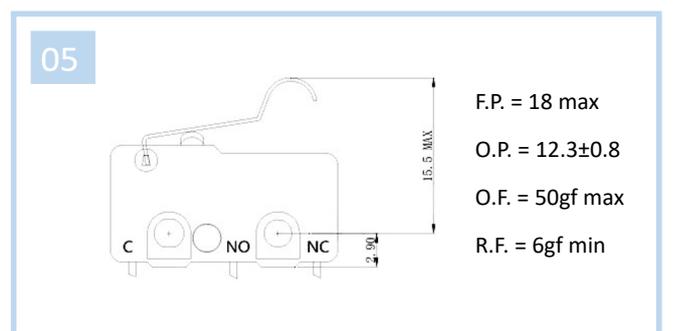
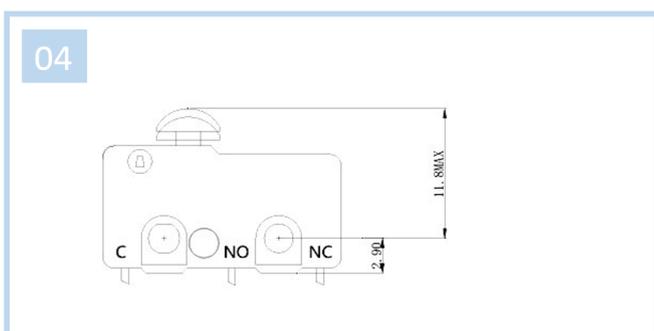
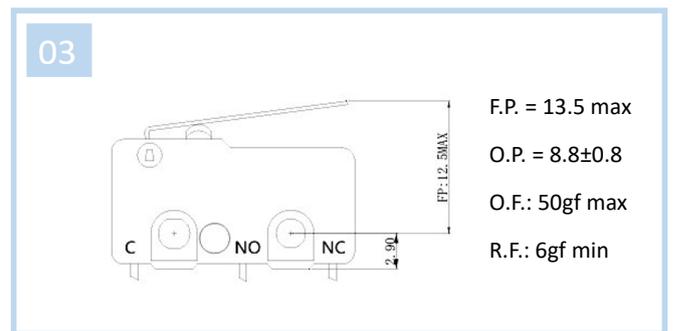
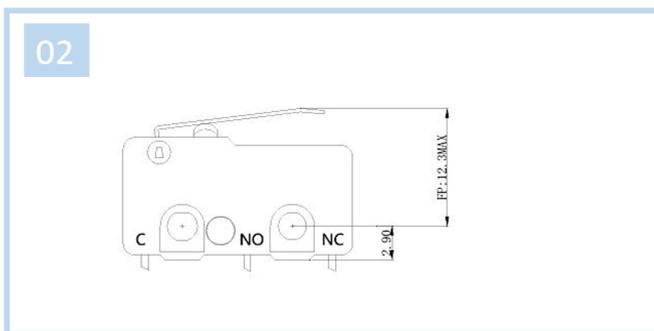
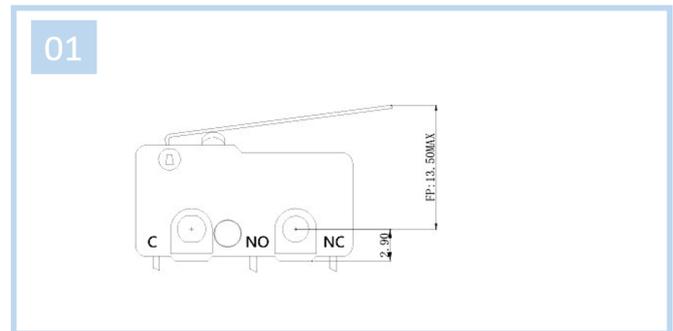
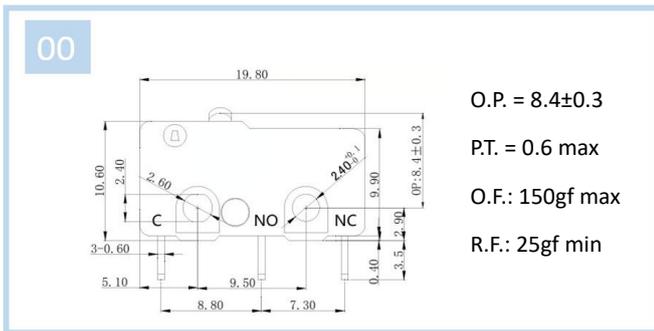
S Solder Lug



Q 110 Quick Connect



Actuator Options:



Notes:

1. All dimensions in mm.
2. P.T.=pre-travel, F.P.=free position, O.P.=operating position, O.F.=operating force, R.F.=return force
3. Do not exceed 350°C solder temperature. Solder within 5s to avoid damaging the components. Do not exert external force within 1 min after soldering.
4. Specifications subject to change without notice.