

ZM Series Subminiature Snap-acting Switches

Features/Benefits

- **Reliable snap-acting mechanism**
- **Long electrical and mechanical life**
- **Compact size—Ideal when space is limited**
- **Various PCB terminals and actuators**
- **RoHS compatible**



Typical Applications

- **PCB detection switch**
- **Communication devices**
- **Testing equipment**
- **Security/Alarm systems**
- **Consumer electronics**



Specifications

CONTACT RATING: F7: 3A @ 125 VAC
M9: 0.2A @ 60 VDC.

ELECTRICAL LIFE: 15,000 Cycles. @ 3A

INSULATION RESISTANCE: 100 M ohm min.

DIELECTRIC STRENGTH: 1000 Vrms.

OPERATING TEMPERATURE: -30°C to 85°C.

OPERATING FORCE: CJ: 150 grams, CH: 90 grams.

* Low Level=conditions where no arcing occurs during switching, i.e., 0.4 VA max. @ 20 V AC or DC max.

Materials

CASE: Nylon 4/6

COVER/ACTUATOR: Nylon 6/6

MOVABLE CONTACTS: Silver, gold plated.

STATIONARY CONTACTS: Silver, gold plated.

TERMINALS: Brass, tin plated.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages J-34 and J-35. For additional options not shown in catalog, consult Customer Service Center.

	☐	☐	☐	☐	☐	☐	☐	☐
Series								
ZM	SP, Mom.							
Operating Force								
CJ	150 grams							
CH	90 grams							
Electrical Rating								
F7	3 A, 125 V AC							
M9	0.2 A, 60 V DC							
Actuator								
P0	Pin plunger							
L0	Leaf							
L3	Leaf							
T13	Simulated roller							
T23	Simulated roller							
Terminations								
T	PC Thru-hole							
L	Left-footed, PC Thru-hole							
R	Right-footed, PC Thru-hole							
K	PC Thru-hole with retention feature							



Third Angle
Projection

Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

SERIES **Z M**



J

Snap-acting

OPTION CODE	BASIC SWITCH OPERATING FORCE (OZ./GRAMS)
CJ	5.29 150
CH	3.15 90

ELECTRICAL RATING

OPTION CODE	RoHS COMPLIANT*	RoHS COMPATIBLE*	CONTACT MATERIAL		ELECTRICAL RATING
			MOVABLE CONTACT	STATIONARY CONTACT	
F7	Yes	Yes	Fine Silver	Fine silver	3 AMPS @ 125 V AC
M9	Yes	Yes	Gold over fine silver	Gold over fine silver	0.2 AMP @ 60 V DC

All models **CAUS** with all options.



Third Angle Projection

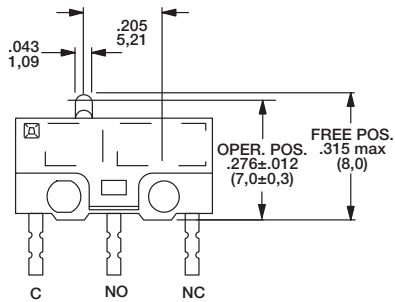
Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change

ZM Series Subminiature Snap-acting Switches

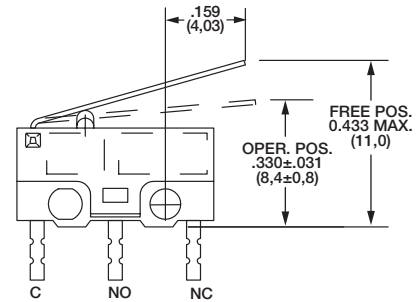
ACTUATOR

P0 PIN PLUNGER



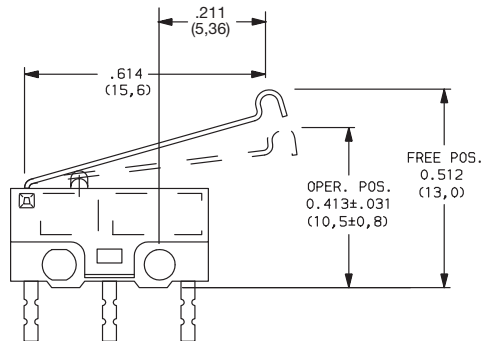
L0 LEAF, 50 GRAMS (CJ ONLY)

L3 LEAF, 30 GRAMS (CH ONLY)



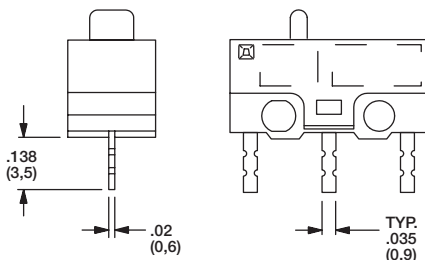
T13 SIMULATED ROLLER, 40 GRAMS (CJ ONLY)

T23 SIMULATED ROLLER, 25 GRAMS (CH ONLY)

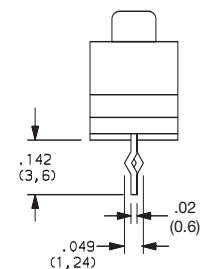


TERMINATIONS

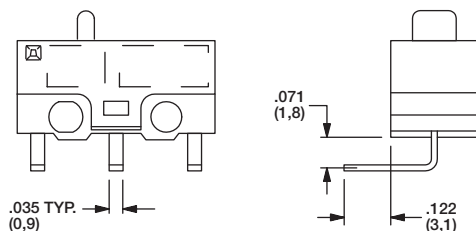
T (STD.) PC THRU-HOLE



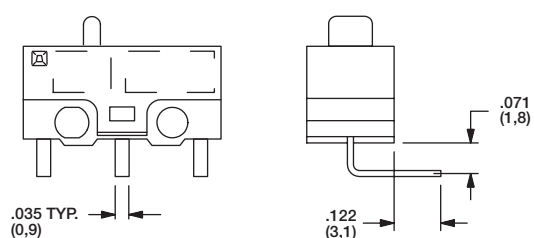
K PC THRU-HOLE WITH RETENTION FEATURE



L LEFT FOOTED, PC THRU-HOLE



R RIGHT FOOTED, PC THRU-HOLE



Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

