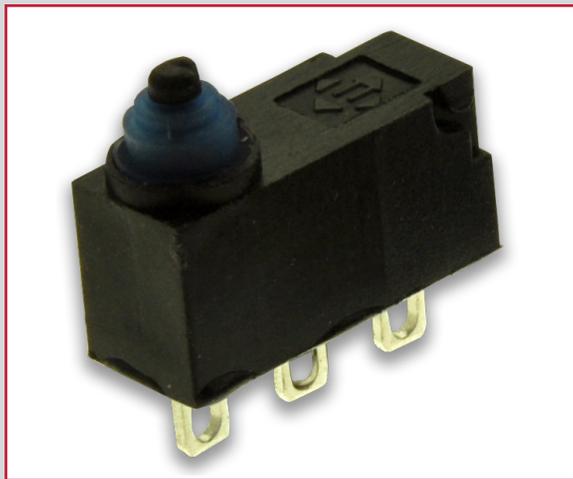


# WS SERIES SNAP ACTION SWITCH

ANTI-VANDAL SWITCHES  
 DETECTOR SWITCHES  
 DIP SWITCHES  
 KEYLOCK SWITCHES  
 NAVIGATION SWITCHES  
 PUSHBUTTON SWITCHES  
 ROCKER SWITCHES  
 ROTARY SWITCHES  
 SLIDE SWITCHES  
**SNAP ACTION SWITCHES**  
 TACTILE SWITCHES  
 TOGGLE SWITCHES  
 CAP OPTIONS



## APPLICATIONS / MARKETS



**RoHS**

## SPECIFICATIONS

**Contact Rating:** 0.5A @ 42VDC  
 1A @ 24VDC  
 2A @ 12VDC  
 3A @ 125/250VAC

**Electrical Life:** 10,000 Cycles  
**Mechanical Life:** 1,000,000 Cycles  
**Contact Resistance:** 100mΩ Max. Initial  
**Insulation Resistance:** 100MΩ Min. @ 500VDC  
**Dielectric Strength:** 600VAC  
**Operating/Storage Temperature:** -25°C to 85°C  
**Moisture Protection:** IP67  
**Contact Arrangement:** SPDT  
**Actuation Force:** See Table  
**Agency Approvals:** cURus

## FEATURES & BENEFITS

- Plunger or lever actuator options
- Multiple termination options
- IP67 rated

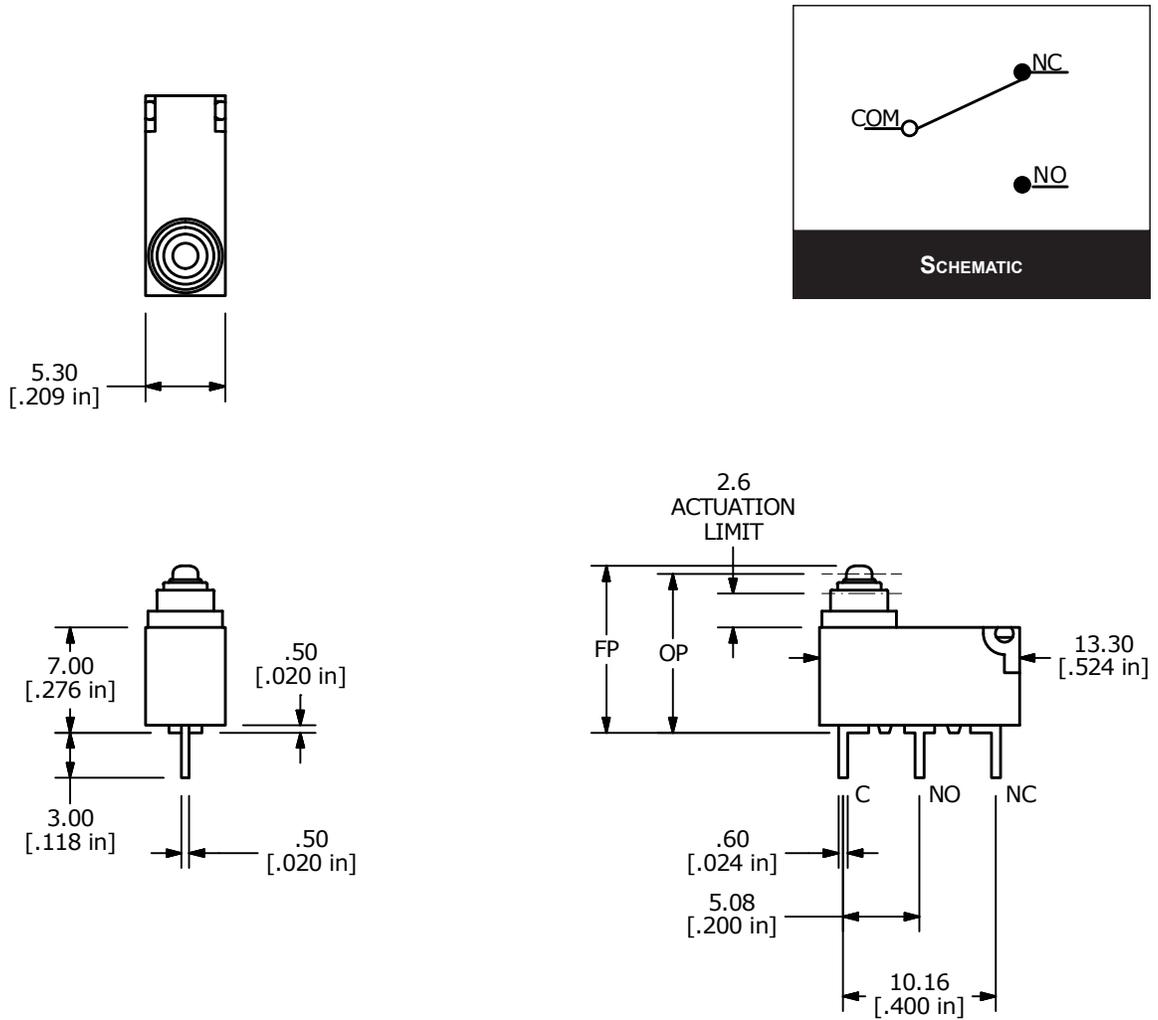
## PART NUMBER CONFIGURATOR

Series	Operating Temperature	Current Rating	Actuator	Operating Force	Termination	Circuit
<input type="text" value="WS"/>	<input type="text" value="085 - 85°C"/>	<input type="text" value="01 - 0.5A @ 42VDC"/> 1A @ 24VDC 2A @ 12VDC 3A @ 125/250VAC	<input type="text" value="00 - Pin Plunger"/> <input type="text" value="01 - 20mm Lever"/> <input type="text" value="02 - 15mm Simulated Roller"/>	<input type="text" value="F050 - 50 grams with 01 lever"/> <input type="text" value="F070 - 70 grams with 00 plunger or 02 lever"/>	<input type="text" value="P - PCB Pins"/> <input type="text" value="S - Solder Lug"/> <input type="text" value="W - Wire Leads (300mm Length)"/>	<input type="text" value="A - SPDT"/>

Specifications subject to change without notice 3.9.2018

# WS SERIES SNAP ACTION SWITCH

## PCB PIN TERMINALS

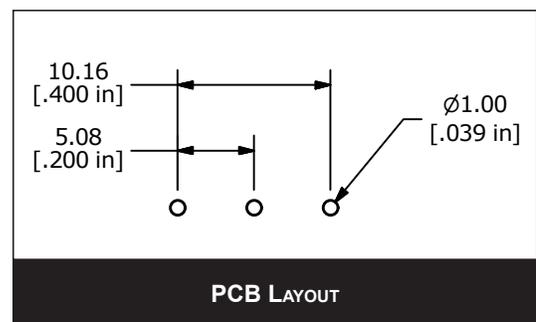


NOTE: ACTUATION BELOW THE 2.6mm ACTUATION LIMIT MAY CAUSE DAMAGE TO THE INTERNAL CONTACTS.

## PCB TERMINALS WITH 00 PIN PLUNGER

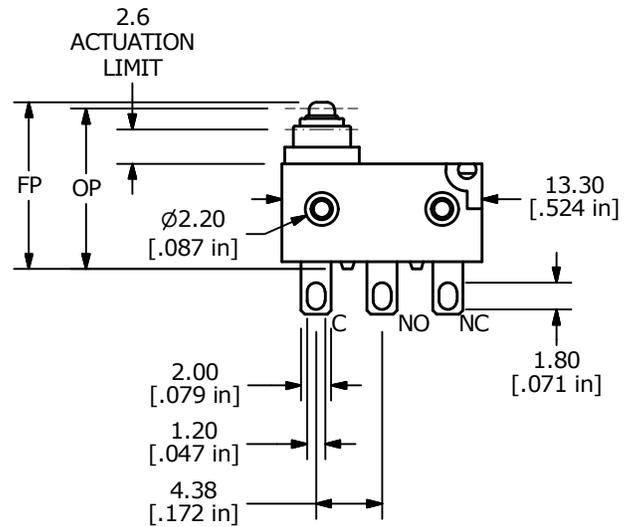
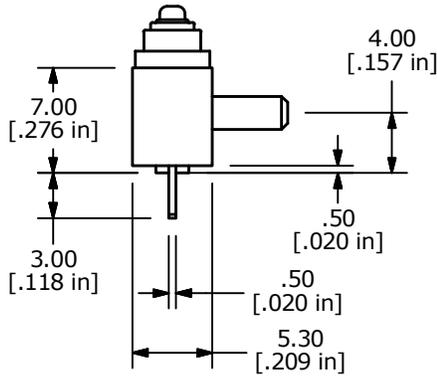
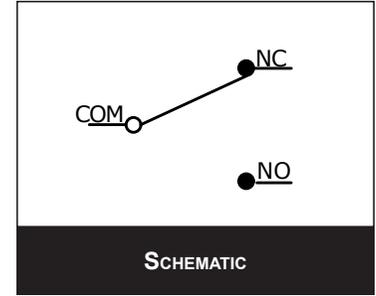
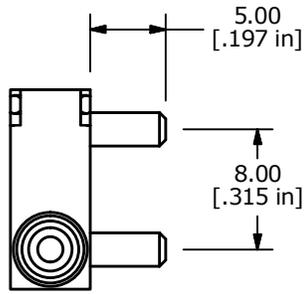
OPERATING POINT CHART		
ACTUATOR STYLE	FREE POINT	OPERATING POINT
00	11.5mm Max.	10.5±0.3mm
01	15.5mm Max.	13.3±0.8mm
02	16.0mm Max.	14.8±0.8mm

NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S



# WS SERIES SNAP ACTION SWITCH

## SOLDER LUG TERMINALS



NOTE: ACTUATION BELOW THE 2.6mm ACTUATION LIMIT MAY CAUSE DAMAGE TO THE INTERNAL CONTACTS.

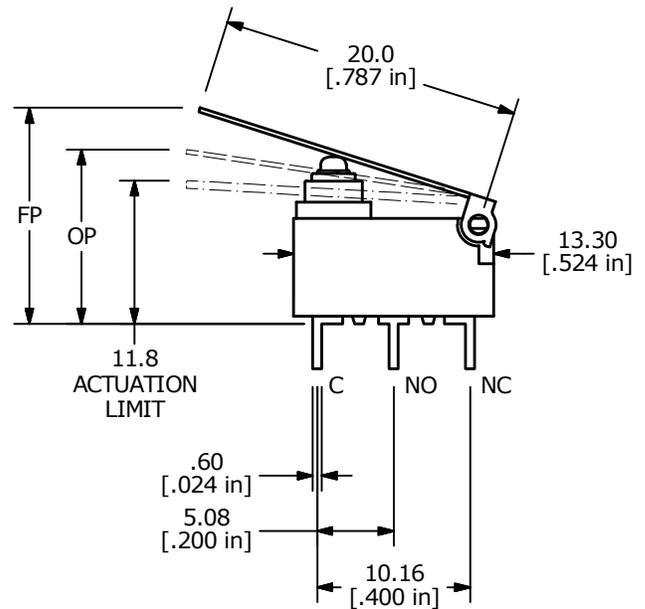
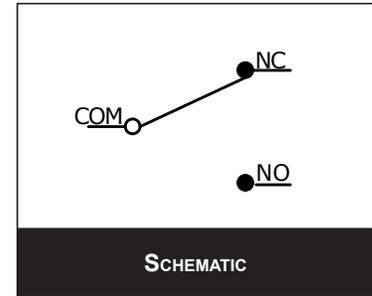
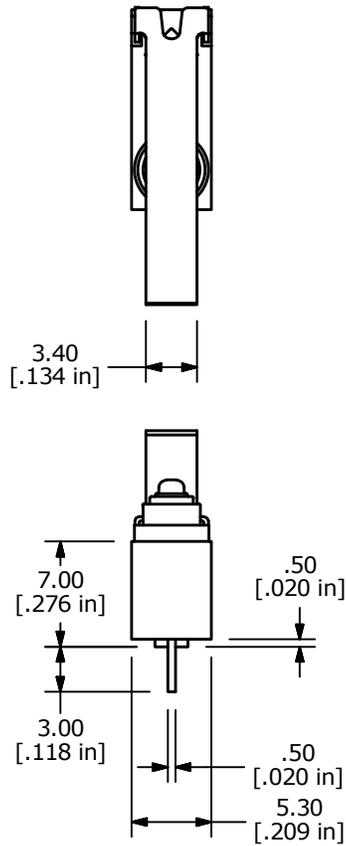
### SOLDER LUG TERMINALS WITH 00 PIN PLUNGER

OPERATING POINT CHART		
ACTUATOR STYLE	FREE POINT	OPERATING POINT
00	11.5mm Max.	10.5±0.3mm
01	15.5mm Max.	13.3±0.8mm
02	16.0mm Max.	14.8±0.8mm

NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S

# WS SERIES SNAP ACTION SWITCH

## PCB PIN TERMINALS

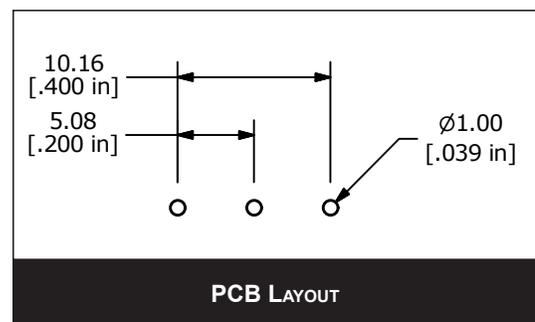


NOTE: ACTUATION BELOW THE 11.8mm ACTUATION LIMIT MAY CAUSE DAMAGE TO THE INTERNAL CONTACTS.

### PCB TERMINALS WITH 01 LEVER

OPERATING POINT CHART		
ACTUATOR STYLE	FREE POINT	OPERATING POINT
00	11.5mm Max.	10.5±0.3mm
01	15.5mm Max.	13.3±0.8mm
02	16.0mm Max.	14.8±0.8mm

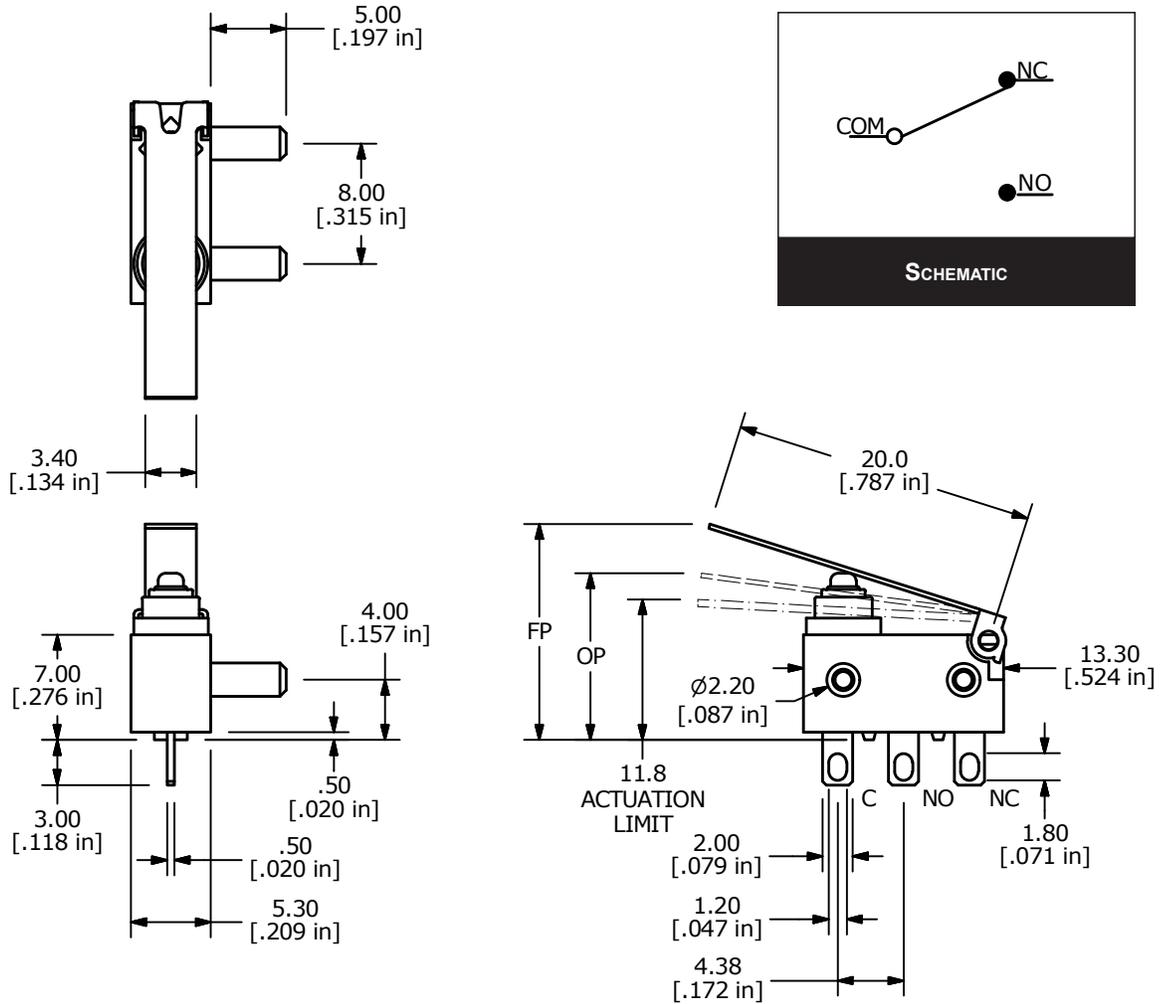
NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S



ANTI-VANDAL SWITCHES  
DETECTOR SWITCHES  
DIP SWITCHES  
KEYLOCK SWITCHES  
NAVIGATION SWITCHES  
PUSHBUTTON SWITCHES  
ROCKER SWITCHES  
ROTARY SWITCHES  
SLIDE SWITCHES  
SNAP ACTION SWITCHES  
TACTILE SWITCHES  
TOGGLE SWITCHES  
CAP OPTIONS

# WS SERIES SNAP ACTION SWITCH

## SOLDER LUG TERMINALS



NOTE: ACTUATION BELOW THE 11.8mm ACTUATION LIMIT MAY CAUSE DAMAGE TO THE INTERNAL CONTACTS.

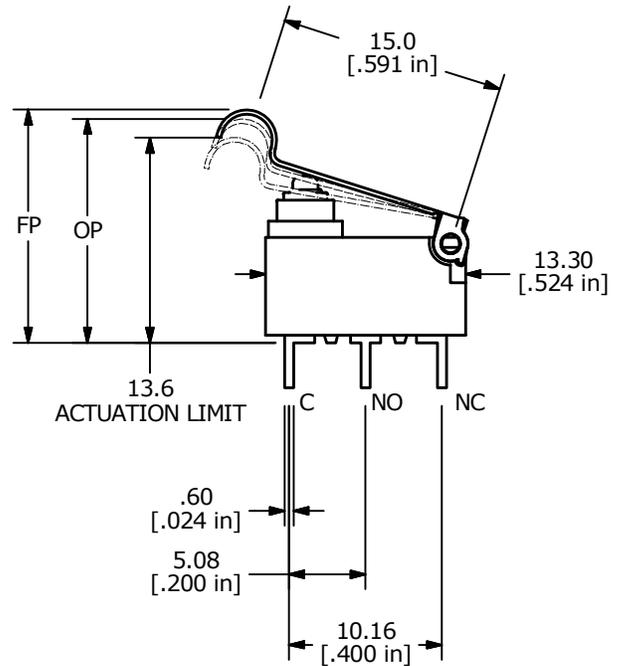
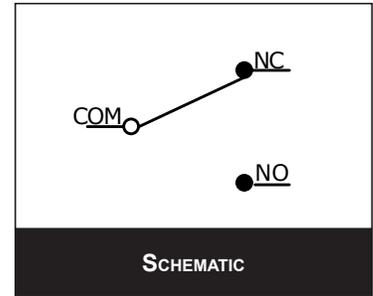
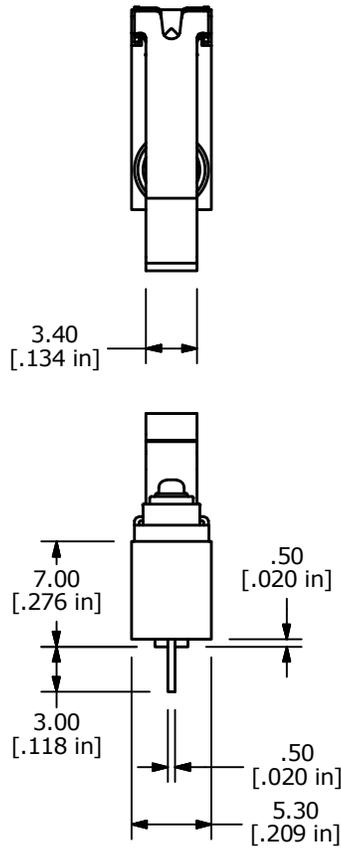
### SOLDER LUG TERMINALS WITH 01 LEVER

OPERATING POINT CHART		
ACTUATOR STYLE	FREE POINT	OPERATING POINT
00	11.5mm Max.	10.5±0.3mm
01	15.5mm Max.	13.3±0.8mm
02	16.0mm Max.	14.8±0.8mm

NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S

# WS SERIES SNAP ACTION SWITCH

## PCB PIN TERMINALS

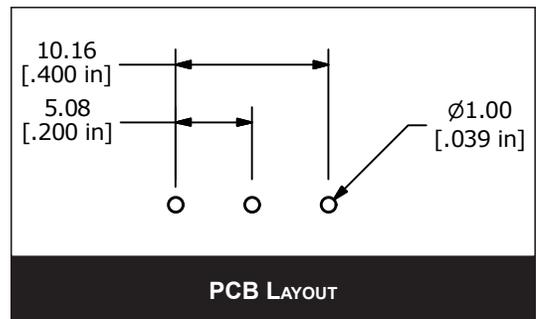


NOTE: ACTUATION BELOW THE 13.6mm ACTUATION LIMIT MAY CAUSE DAMAGE TO THE INTERNAL CONTACTS.

## PCB TERMINALS WITH 02 LEVER

OPERATING POINT CHART		
ACTUATOR STYLE	FREE POINT	OPERATING POINT
00	11.5mm Max.	10.5±0.3mm
01	15.5mm Max.	13.3±0.8mm
02	16.0mm Max.	14.8±0.8mm

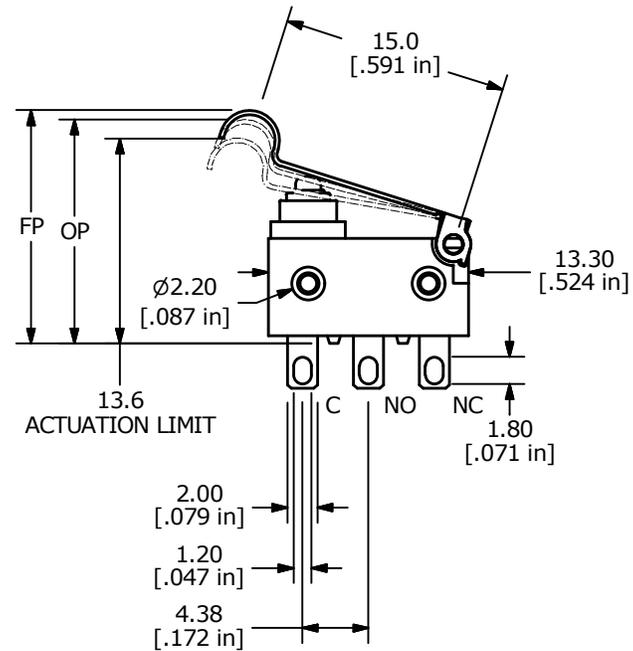
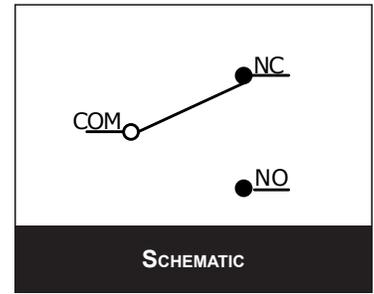
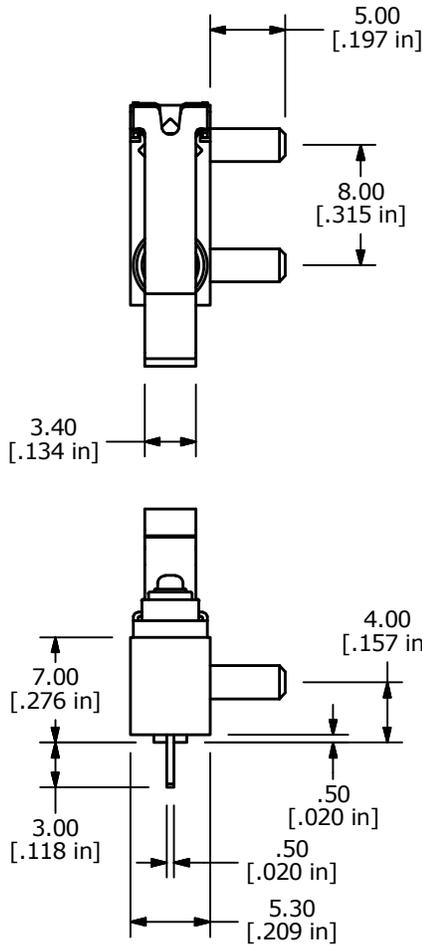
NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S



ANTI-VANDAL SWITCHES  
DETECTOR SWITCHES  
DIP SWITCHES  
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PUSHBUTTON SWITCHES  
ROCKER SWITCHES  
ROTARY SWITCHES  
SLIDE SWITCHES  
SNAP ACTION SWITCHES  
TACTILE SWITCHES  
TOGGLE SWITCHES  
CAP OPTIONS

# WS SERIES SNAP ACTION SWITCH

## SOLDER LUG TERMINALS



NOTE: ACTUATION BELOW THE 13.6mm ACTUATION LIMIT MAY CAUSE DAMAGE TO THE INTERNAL CONTACTS.

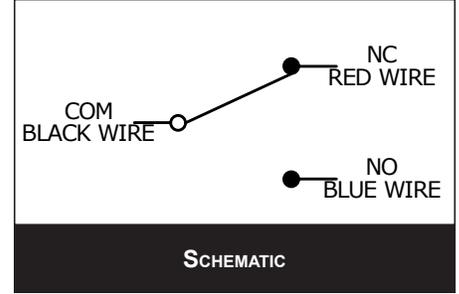
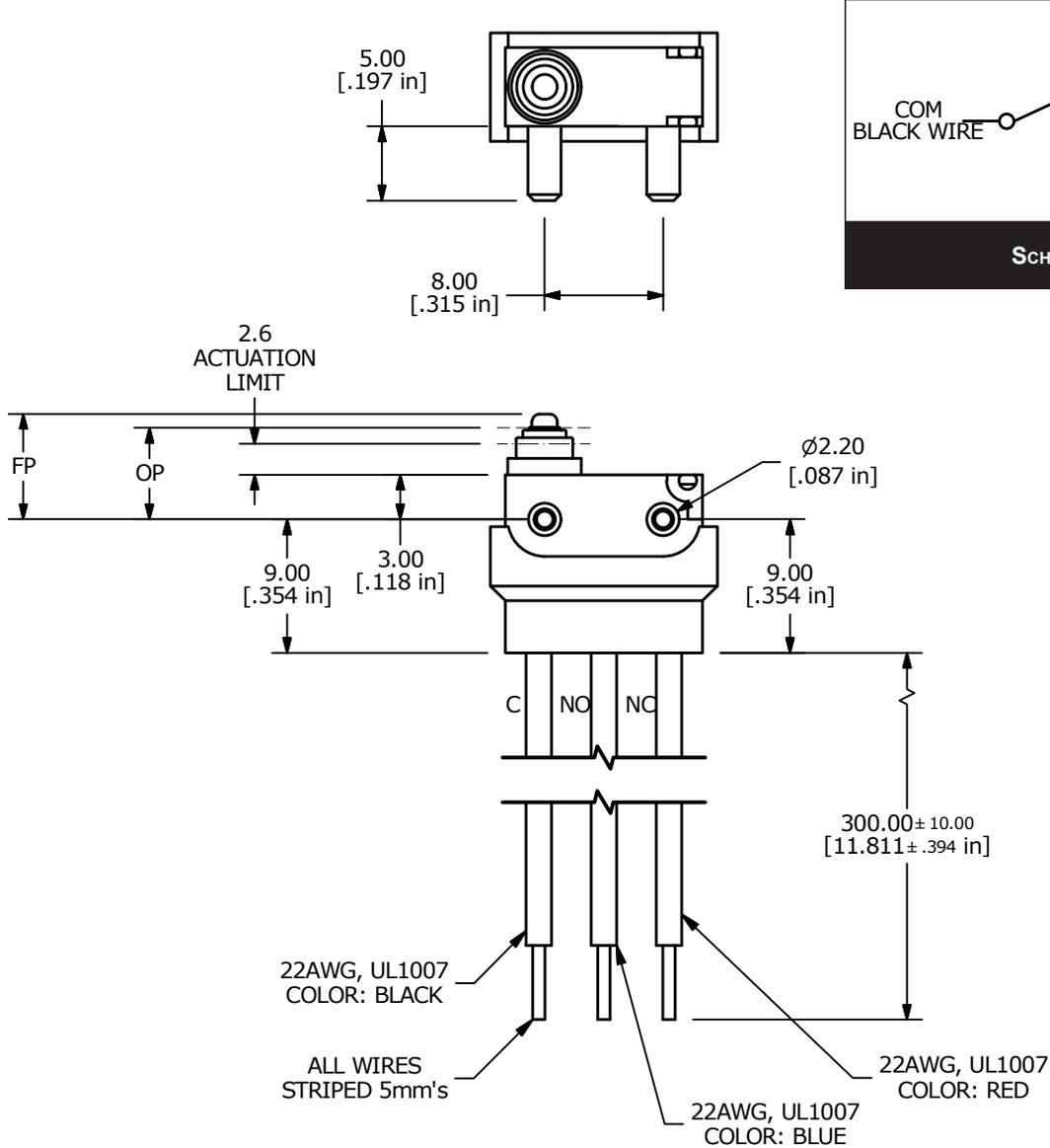
### SOLDER LUG TERMINALS WITH 02 LEVER

OPERATING POINT CHART		
ACTUATOR STYLE	FREE POINT	OPERATING POINT
00	11.5mm Max.	10.5±0.3mm
01	15.5mm Max.	13.3±0.8mm
02	16.0mm Max.	14.8±0.8mm

NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S

# WS SERIES SNAP ACTION SWITCH

## WIRE LEADS



NOTE: ACTUATION BELOW THE 2.6mm ACTUATION LIMIT MAY CAUSE DAMAGE TO THE INTERNAL CONTACTS.

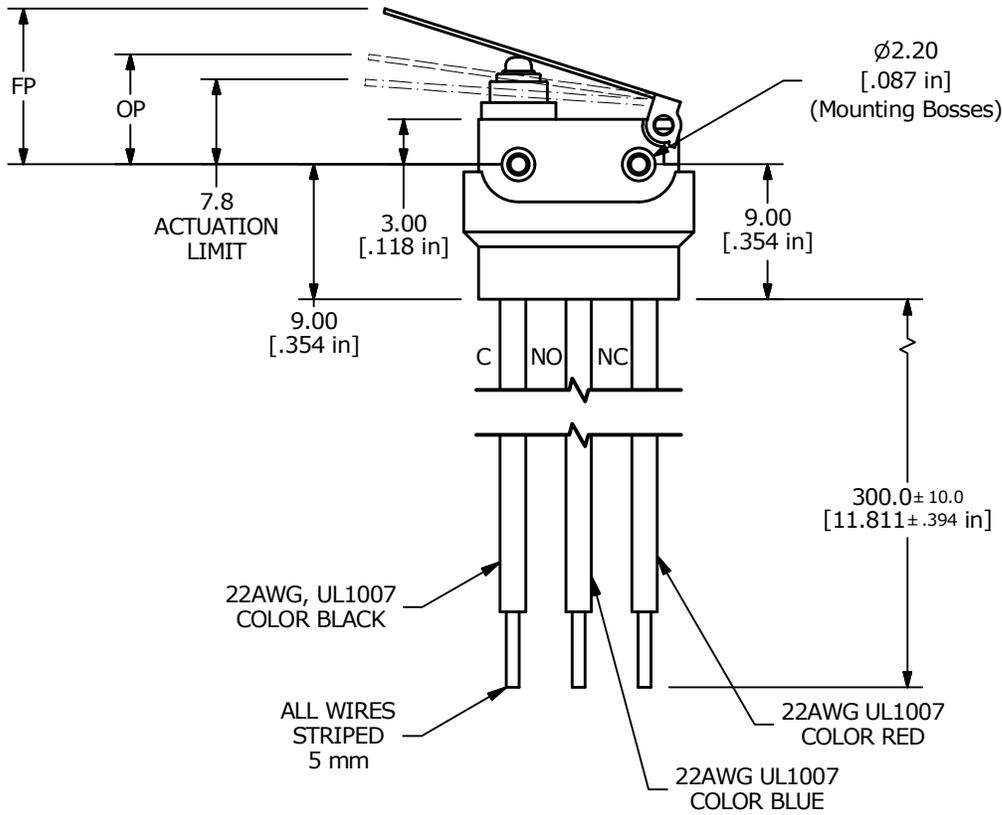
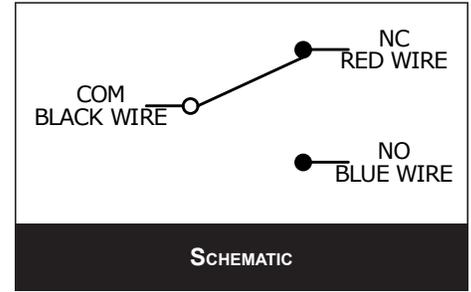
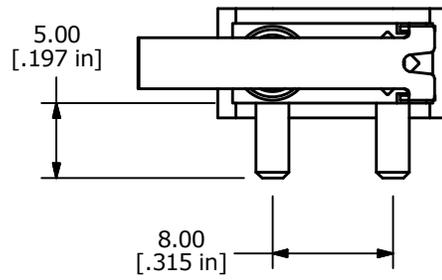
OPERATING POINT CHART		
ACTUATOR STYLE	FREE POINT	OPERATING POINT
00	6.5mm Max.	7.5±0.3mm
01	11.5mm Max.	9.3±0.8mm
02	12.0mm Max.	10.8±0.8mm

NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S

WIRE LEADS  
WITH 00 PIN PLUNGER

# WS SERIES SNAP ACTION SWITCH

## WIRE LEADS



NOTE: ACTUATION BELOW THE 7.8mm ACTUATION LIMIT MAY CAUSE DAMAGE TO THE INTERNAL CONTACTS.

OPERATING POINT CHART

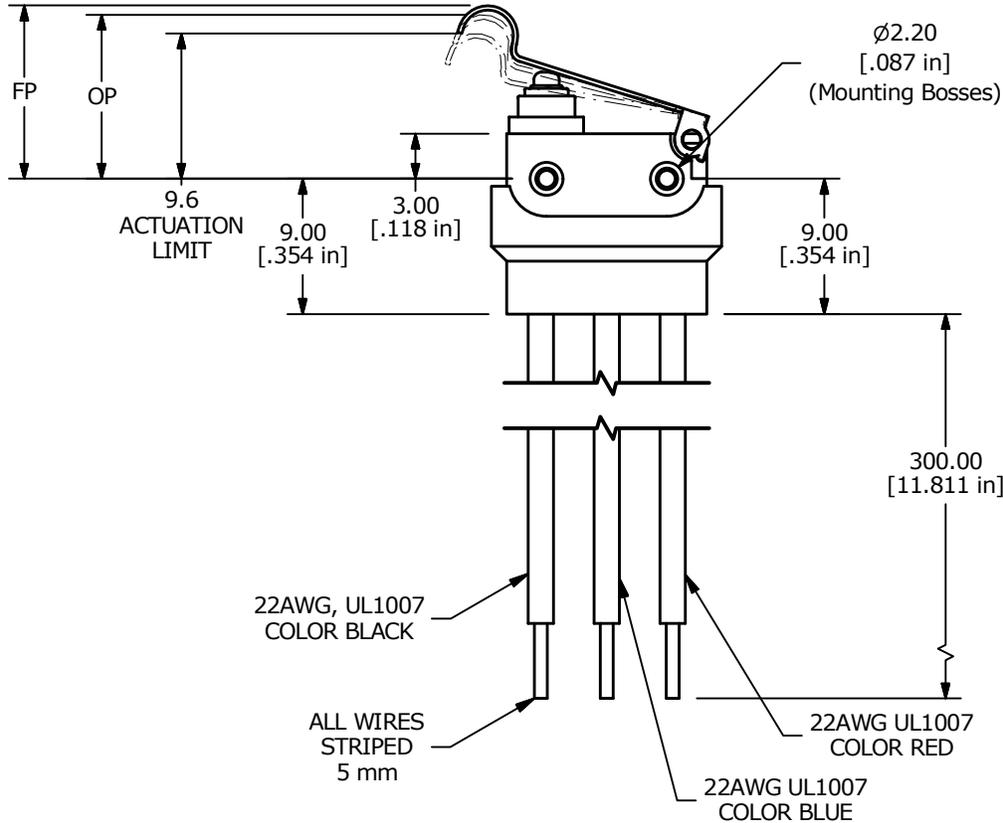
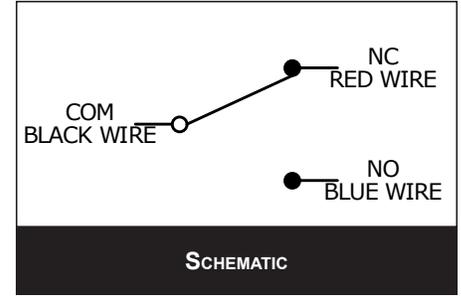
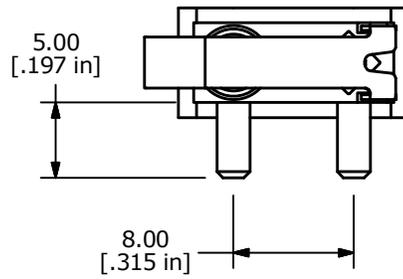
ACTUATOR STYLE	FREE POINT	OPERATING POINT
00	6.5mm Max.	7.5±0.3mm
01	11.5mm Max.	9.3±0.8mm
02	12.0mm Max.	10.8±0.8mm

### WIRE LEADS WITH 01 LEVER

NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S

# WS SERIES SNAP ACTION SWITCH

## WIRE LEADS



NOTE: ACTUATION BELOW THE 9.6mm ACTUATION LIMIT MAY CAUSE DAMAGE TO THE INTERNAL CONTACTS.

### WIRE LEADS WITH 02 SIMULATED LEVER

OPERATING POINT CHART		
ACTUATOR STYLE	FREE POINT	OPERATING POINT
00	6.5mm Max.	7.5±0.3mm
01	11.5mm Max.	9.3±0.8mm
02	12.0mm Max.	10.8±0.8mm

NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S

- ANTI-VANDAL SWITCHES
- DETECTOR SWITCHES
- DIP SWITCHES
- KEYLOCK SWITCHES
- NAVIGATION SWITCHES
- PUSHBUTTON SWITCHES
- ROCKER SWITCHES
- ROTARY SWITCHES
- SLIDE SWITCHES
- SNAP ACTION SWITCHES**
- TACTILE SWITCHES
- TOGGLE SWITCHES
- CAP OPTIONS