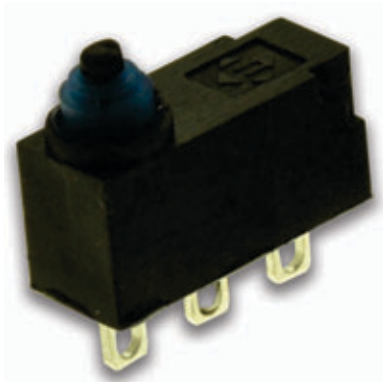


# WS SERIES SNAP ACTION SWITCH

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



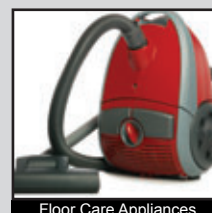
## APPLICATIONS / MARKETS



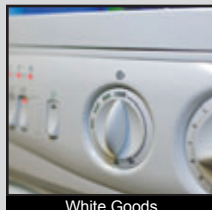
HVAC



Electrical Housewares



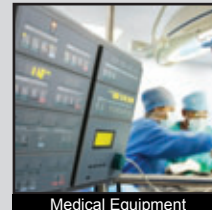
Floor Care Appliances



White Goods



Vending Machines



Medical Equipment

# RoHS

## SPECIFICATIONS

**Contact Rating:** 01 = 1A @ 24VDC  
02 = 2A @ 12VDC  
03 = 0.1A @ 125VAC  
**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:** UL

## 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"/> - 85C | <input type="text" value="01"/> - 1A @24VDC<br>2A @12VDC<br>0.1A @125VAC | <input type="text" value="00"/> - Pin Plunger<br><input type="text" value="01"/> - 20mm Lever | <input type="text" value="F070"/> - 70 grams with 00 plunger<br><input type="text" value="F050"/> - 70 grams with 01 lever | <input type="text" value="P"/> - PCB Pins<br><input type="text" value="S"/> - Solderlug | <input type="text" value="A"/> - SPDT |

Specifications subject to change without notice



E-SWITCH®

www.e-switch.com

800.867.2717

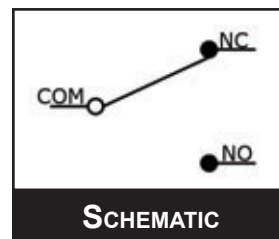
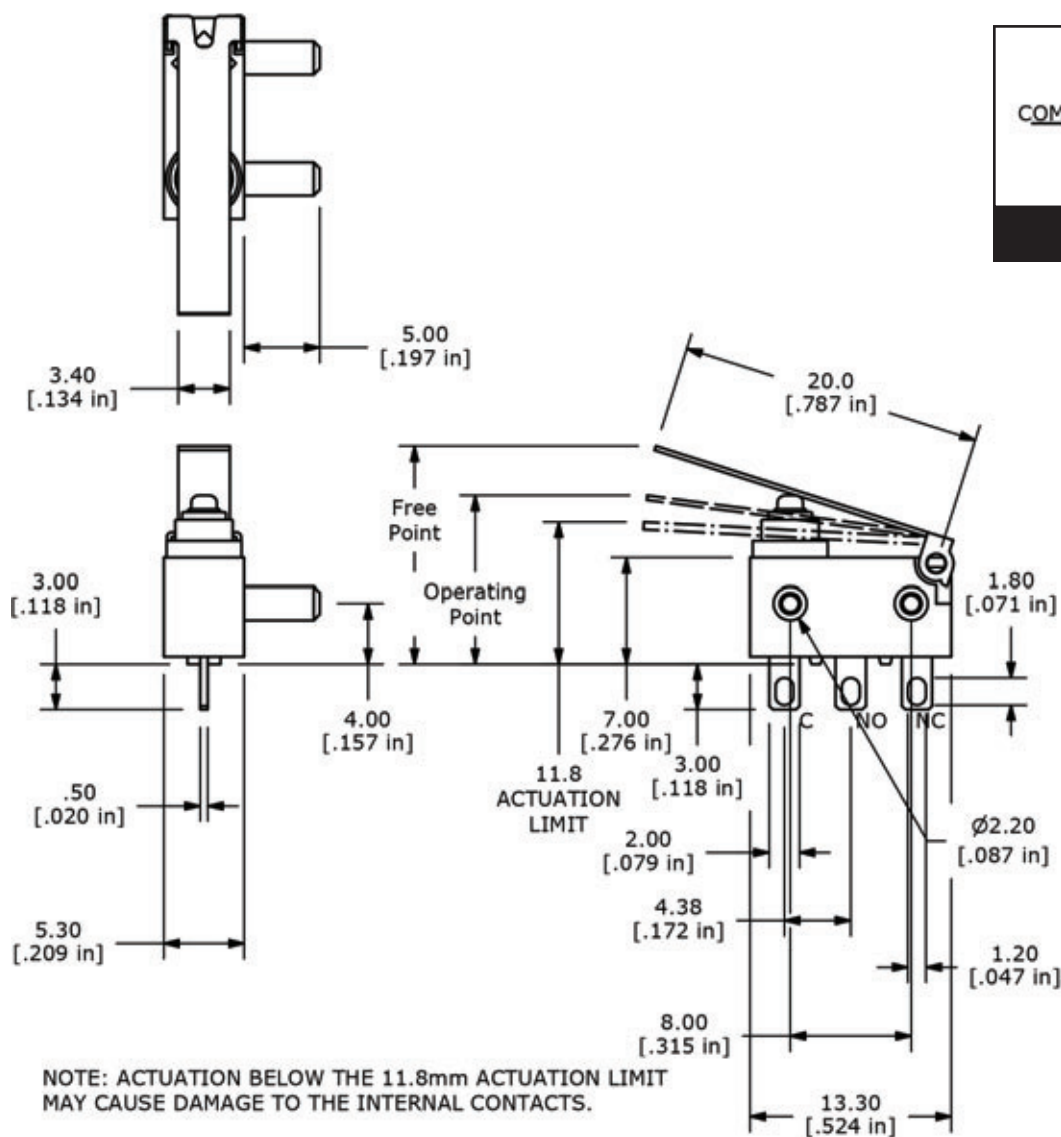
2



# WS SERIES SNAP ACTION SWITCH

## SOLDER LUG TERMINALS

### Lever Actuator



| OPERATING POINT CHART |             |                 |
|-----------------------|-------------|-----------------|
| ACTUATOR STYLE        | FREE POINT  | OPERATING POINT |
| 00                    | 11.5mm Max. | 10.5±0.3mm      |
| 01                    | 15.0mm Max. | 13.4±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



**E-SWITCH®**

www.e-switch.com

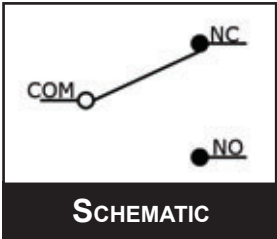
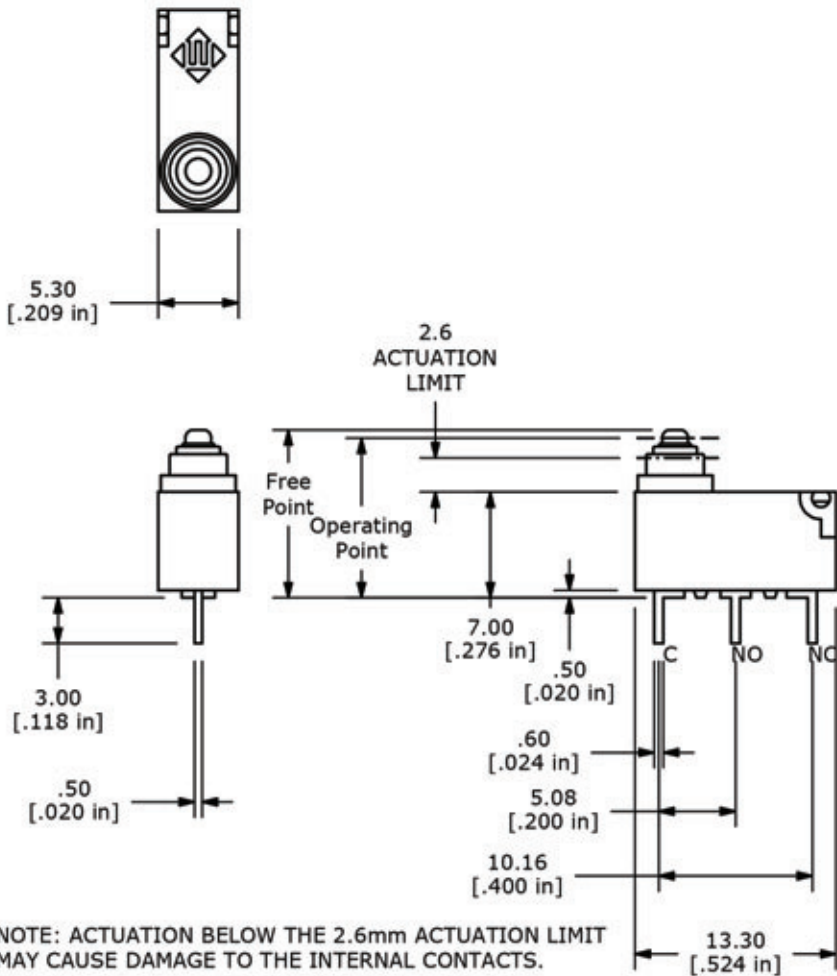
800.867.2717

4

# WS SERIES SNAP ACTION SWITCH

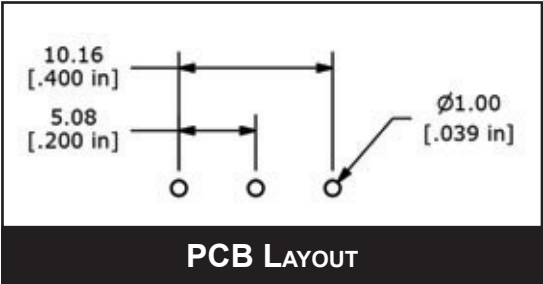
## PCB PIN TERMINALS

### Plunger Actuator



| OPERATING POINT CHART |             |                 |
|-----------------------|-------------|-----------------|
| ACTUATOR STYLE        | FREE POINT  | OPERATING POINT |
| 00                    | 11.5mm Max. | 10.5±0.3mm      |
| 01                    | 15.0mm Max. | 13.4±0.8mm      |

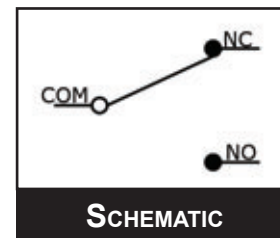
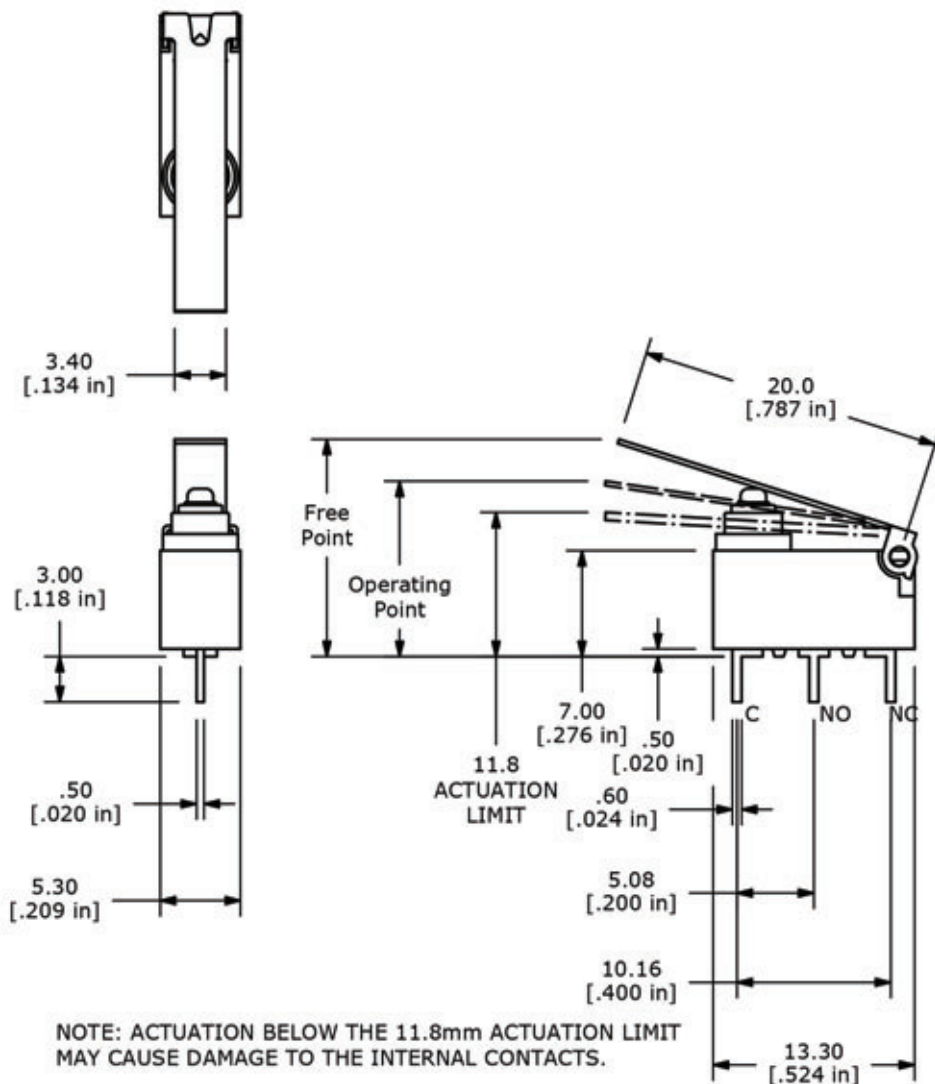
NOTE: FOR WIRE LEAD TERMINATION MODELS, THE FREE POINT AND OPERATING POINT WOULD BE MEASURED FROM THE MOUNTING BOSSES. THIS WILL REDUCE THE ABOVE LISTED VALUES BY 4MM'S



# WS SERIES SNAP ACTION SWITCH

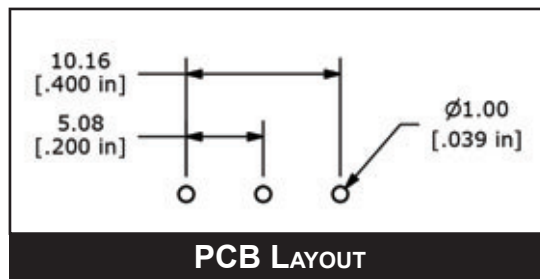
## PCB PIN TERMINALS

### Lever Actuator



| OPERATING POINT CHART |             |                 |
|-----------------------|-------------|-----------------|
| ACTUATOR STYLE        | FREE POINT  | OPERATING POINT |
| 00                    | 11.5mm Max. | 10.5±0.3mm      |
| 01                    | 15.0mm Max. | 13.4±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



**E-SWITCH®**

www.e-switch.com

800.867.2717

6

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## E-Switch:

[WS0850101F050WA](#) [WS0850101F050SA](#) [WS0850100F070PA](#) [WS0850100F070WA](#) [WS0850100F070SA](#)  
[WS0850101F050PA](#)