

## INTERLOCK SWITCHES SXP3 SERIES



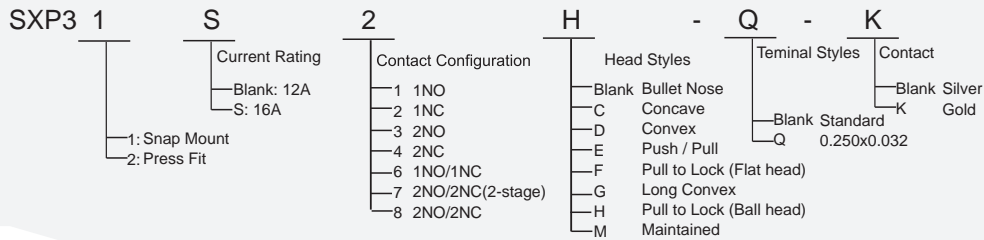
### Features

- Compact, light weight design, accurate repeatability
- Three configurations: momentary, push-pull, pull-to-lock
- Snap-in design for easy installation for panel thickness 1.14 to 2.54mm (0.045 to 0.10 in)
- Quick-connect terminals: 0.188x0.02in (4.78mm x 0.51mm), or 0.25x0.032in (6.35 x 0.81mm)
- Silver or gold-alloy contacts
- Applications: appliance door lights, door interlocks, indicator circuits

### Specifications

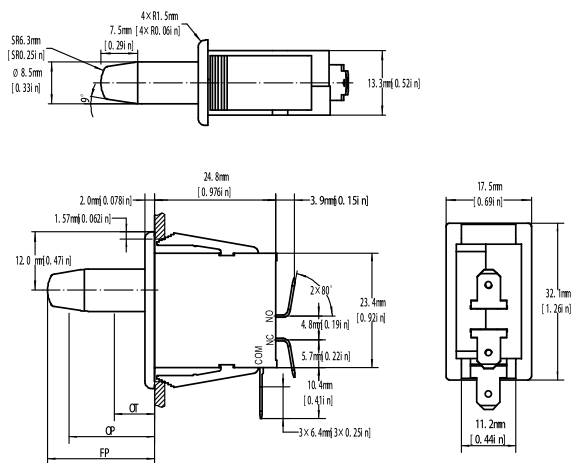
Operating Speed	10mm-1m/sec
Operating Frequency	Mechanical: 120ops/min Electrical: 30 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<50mΩ (initial value)
Electrical Rating	12A Standard: 12A 1/2HP 125VAC, 10A 1/2HP 250VAC 16A DPDT: 16A 3/4HP 125VAC, 12A 1HP 250VAC 16A SPDT: 16A 1HP 125VAC, 12A 1HP 250VAC
Dielectric Strength	Same poles:1000V AC 50/60Hz 1min Pole to ground:2500V AC 50/60Hz 1min
Service Life	Mechanically 1 millions ops Electrically 100,000 ops (minimum)
Working Temperature	-37~+82°C (-35~180°F) with no icing
Humidity	< 85%RH
Degree of Protection	IP40

### Selection Guide:

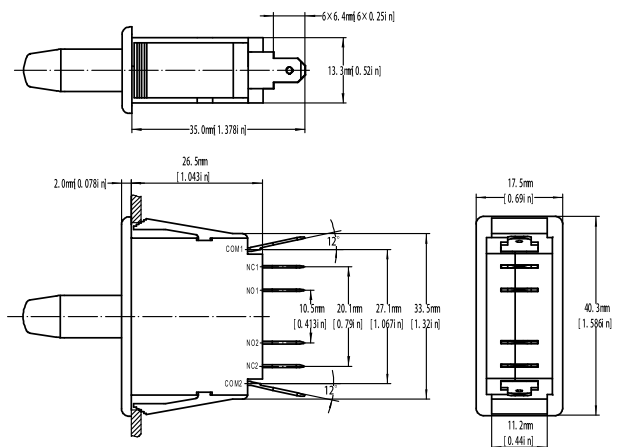


### Dimensions:

**SXP311 SXP312 SXP316**



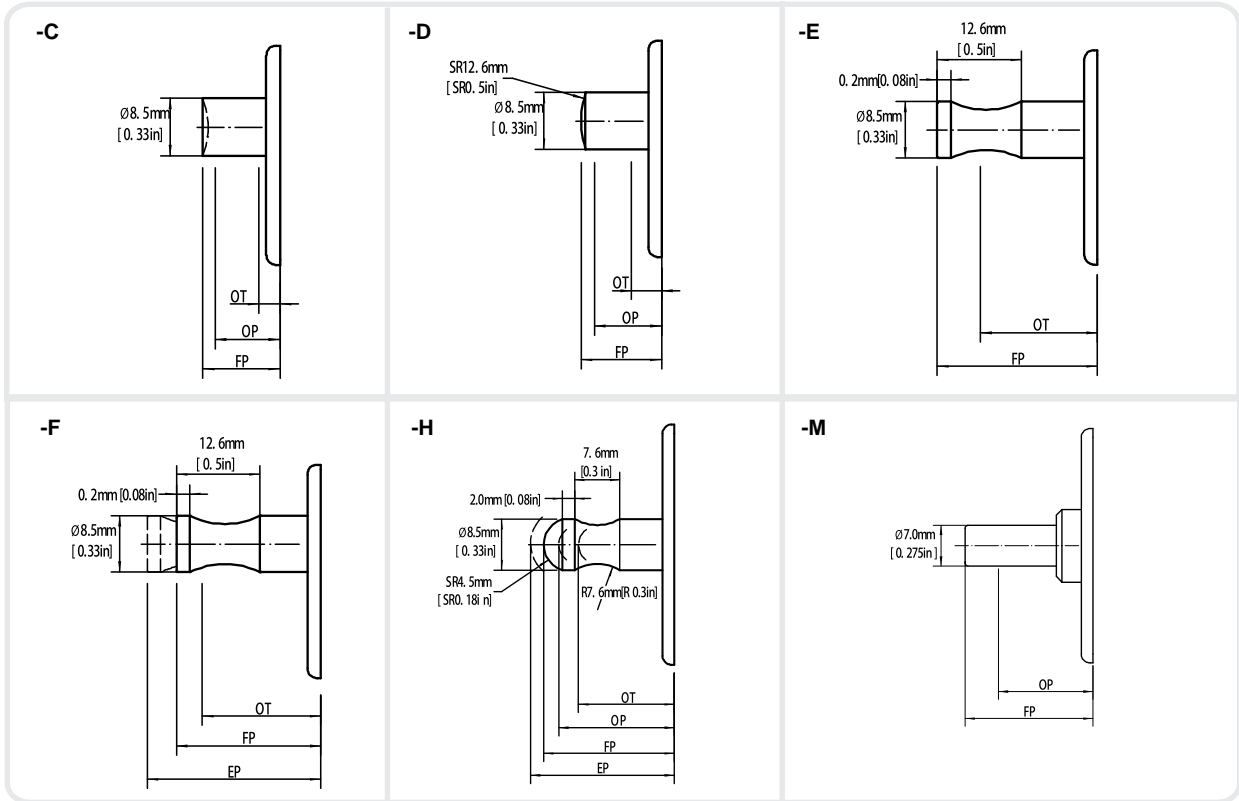
**SXP313 SXP314 SXP318**



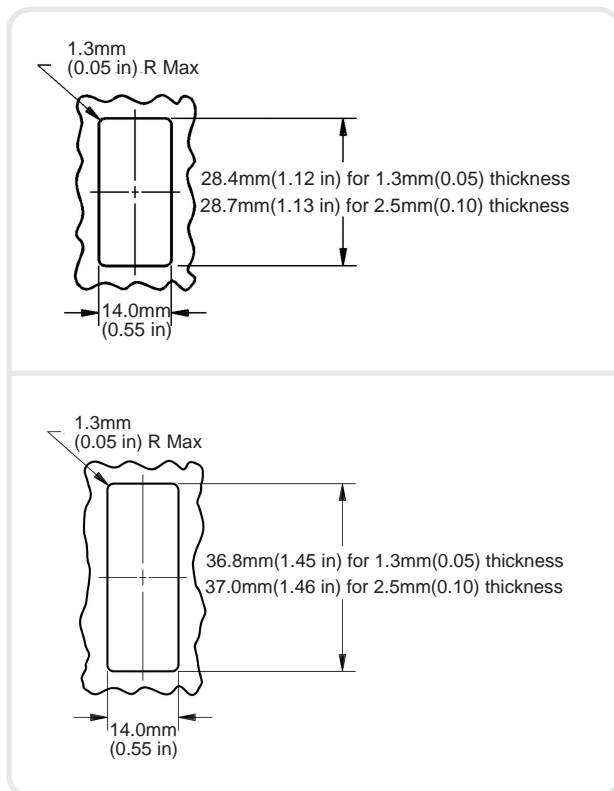
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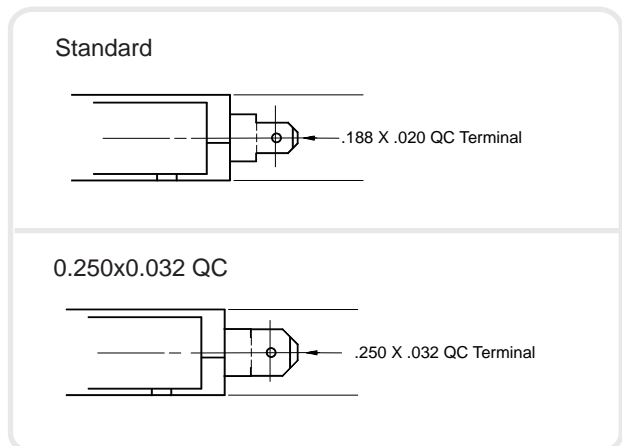
#### Head Styles:



#### Panel Cutouts:


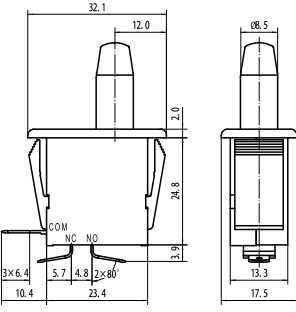

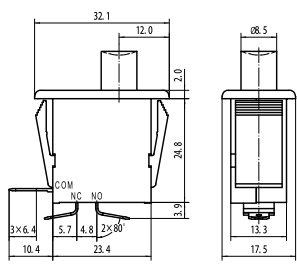

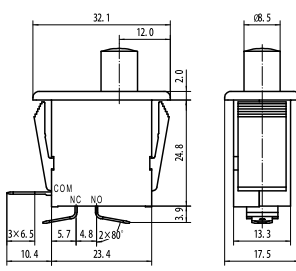

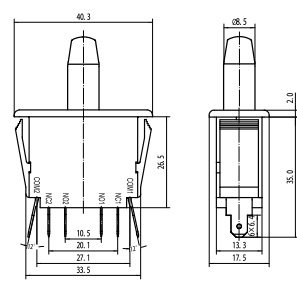

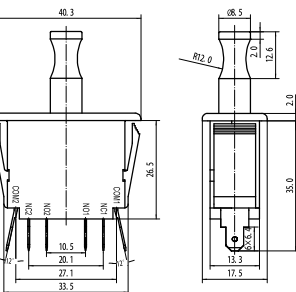

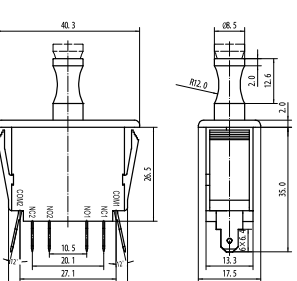

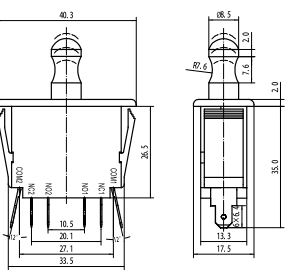

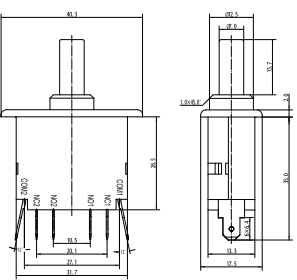


#### Terminal Styles:



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Dimensions Unit: mm

<p><b>SXP316</b> Bullet Nose</p>   <p><b>Operating Characteristics</b></p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 4.17N (15oz)</li> <li>• RF<sub>min</sub> 0.83N (3oz)</li> <li>• FP 22.4mm (0.88in.)</li> <li>• OT<sub>max</sub> 9.53mm (0.375in.)</li> <li>• OP 19.1±1.5mm (0.752±0.06in.)</li> </ul>	<p><b>SXP316C</b> Concave</p>   <p><b>Operating Characteristics</b></p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 4.17N (15oz)</li> <li>• RF<sub>min</sub> 0.83N (3oz)</li> <li>• FP 11.4mm (0.45in.)</li> <li>• OT<sub>max</sub> 3.05mm (0.120in.)</li> <li>• OP 9.0±1.5mm (0.354±0.06in.)</li> </ul>
<p><b>SXP316D</b> Convex</p>   <p><b>Operating Characteristics</b></p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 4.17N (15oz)</li> <li>• RF<sub>min</sub> 0.83N (3oz)</li> <li>• FP 11.4mm (0.45in.)</li> <li>• OT<sub>max</sub> 3.05mm (0.120in.)</li> <li>• OP 9.0±1.5mm (0.354±0.06in.)</li> </ul>	<p><b>SXP318</b> Bullet Nose</p>   <p><b>Operating Characteristics</b></p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 6.67N (24oz)</li> <li>• RF<sub>min</sub> 1.66N (6oz)</li> <li>• FP 22.4mm (0.882in.)</li> <li>• OT<sub>max</sub> 9.53mm (0.375in.)</li> <li>• OP 19.5±1.0mm (0.768±0.04in.)</li> </ul>
<p><b>SXP318E</b> Push/Pull</p>   <p><b>Operating Characteristics</b></p> <ul style="list-style-type: none"> <li>• FP 24.1mm (0.95in.)</li> <li>• OT<sub>max</sub> 15.9mm (0.624in.)</li> </ul>	<p><b>SXP318F</b> Pull to Lock (Flat Head)</p>   <p><b>Operating Characteristics</b></p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 6.67N (24oz)</li> <li>• RF<sub>min</sub> 1.66N (6oz)</li> <li>• FP 19.7mm (0.77in.)</li> <li>• EP 23.9mm (0.976in.)</li> <li>• OT<sub>max</sub> 14.2mm (0.559in.)</li> <li>• OP 17.3±1.3mm (0.681±0.05in.)</li> </ul>
<p><b>SXP318H</b> Pull to Lock (Ball Head)</p>   <p><b>Operating Characteristics</b></p> <ul style="list-style-type: none"> <li>• OF<sub>max</sub> 6.67N (24oz)</li> <li>• RF<sub>min</sub> 1.66N (6oz)</li> <li>• FP 19.6mm (0.77in.)</li> <li>• EP 25.1mm (0.989in.)</li> <li>• OT<sub>max</sub> 14.9mm (0.587in.)</li> <li>• OP 17.1±1.3mm (0.673±0.05in.)</li> </ul>	<p><b>SXP328M</b> Maintained</p>   <p><b>Operating Characteristics</b></p> <ul style="list-style-type: none"> <li>• FP 22.2mm (0.87in.)</li> <li>• OP 18.1mm (0.713in.)</li> </ul>