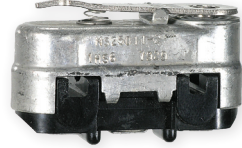
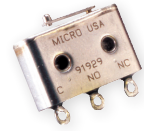


# MICRO SWITCH SEALED SWITCHES BASICS & LIMITS COMPARISON

Honeywell sealed basic and limit switches open the door to new, powerful possibilities for a broad range of applications.



SERIES	SE/XE	HM	HS	EN	HE	HR
<b>Housing</b>	anodized aluminum	stainless steel	stainless steel, phenolic	stainless steel with environmental seals	hermetically sealed stainless steel	hermetically sealed stainless steel
<b>Sealing</b>	MIL-PRF-8805, symbol 3, watertight	MIL-PRF-8805, symbol 5, hermetic	MIL-PRF-8805, symbol 5, hermetic	sealed to MIL-PRF-8805 resilient, symbol 4 (also MIL-PRF-8805 QPL listings available)	MIL-PRF-8805, symbol 5, hermetic	MIL-PRF-8805, symbol 5, hermetic
<b>Operating temperature</b>	-53°C to 105°C [-65°F to 221°F]	-65°C to 121°C [-85°F to 250°F] high temp. option: 500°F	-54°C to 121°C [-65°F to 250°F]	-55°C to 85°C [-65°F to 185°F]	-55°C to 125°C [-67°F to 257°F]	-65°C to 315°C [-85°F to 600°F]
<b>Actuators/ levers</b>	auxiliary actuators available	integral lever; aux. actuators: leaf, roller leaf, straight, roller lever	integral lever	top plunger, top roller, top rotary	top plunger, top roller plunger, nylon button	top plunger, top roller plunger
<b>Termination</b>	solder, quick-connect, leadwire	solder, leadwire	screw, leadwire	screw, leadwire, leadwire with connector, pin receptacle, side receptacle	screw, leadwire, bottom receptacle	screw, leadwire (receptacle termination available)
<b>Circuitry</b>	SPDT	SPDT	SPDT	SPDT, DPDT	two or four SPDT circuits	SPNO, DPDT
<b>Contacts</b>	silver, gold, bifurcated gold	silver, gold, bifurcated gold	silver	silver, gold	silver, gold	silver, gold
<b>Amp rating</b>	0.5 A to 7 A max.	0.5 A to 3 A	1 A to 25 A	1 A to 15 A (resistive)	1 A, 5 A, 7 A (resistive)	5 A (resistive)
<b>Measurements</b>	SE: 19,05 mm H x 8,64 mm W x 22,35 mm L [0.75 in H x 0.34 in W x 0.88 in L] XE: 19,05 mm H x 8,13 mm W x 15,75 mm L [0.75 in H x 0.32 in W x 0.62 in L]	12,7 mm H x 6,35 mm W x 20,3 mm L [0.5 in H x 0.25 in W x 0.8 in L]	25,4 mm H x 17,8 mm W x 50,8 mm L [1.0 in H x 0.7 in W x 2.0 in L]	bottom receptacle: 114,3 mm H x 25,4 mm dia [4.5 in H x 1.0 in dia] side receptacle: 57,2 mm H x 26,7 mm W x 58,9 mm L [2.25 in H x 1.05 in W x 2.32 in L]	top pin plunger: 60,1 mm H x 25,4 mm dia [2.36 in H x 1.0 in dia] top roller plunger: 32,8 mm H x 17,5 mm dia [1.29 in H x 0.69 in dia]	screw: 80,8 mm H x 25,4 mm dia [3.18 in H x 1.0 in dia] leadwire: 103,7 mm H x 27,0 mm dia [4.08 in H x 1.06 in dia]
<b>Features &amp; benefits</b>	<ul style="list-style-type: none"> <li>Smallest environmentally sealed switches offered by Honeywell</li> <li>Power loading switching capability up to 7 A</li> <li>4SE Series carries UL/CSA approvals</li> <li>4XL Series carry UL approvals</li> </ul>	<ul style="list-style-type: none"> <li>Smallest environmentally sealed switches offered by Honeywell</li> <li>Power loading switching capability up to 7 A</li> <li>4SE Series carries UL/CSA approvals</li> <li>4XL Series carry UL approvals</li> </ul>	<ul style="list-style-type: none"> <li>Power load switching capability to 25 A at 28 Vdc</li> <li>High temperature construction</li> <li>Reduced sensitivity to changes in altitude or pressure</li> </ul>	<ul style="list-style-type: none"> <li>Environmental seal resists most severe environments</li> <li>Top plunger and roller plunger actuators have internal ice scraper ring</li> <li>Miniature housing meets demand for smaller size and lighter weight</li> </ul>	<ul style="list-style-type: none"> <li>True hermetic (metal-to-metal, glass-to-metal) construction</li> <li>Designed to meet sand, dust, explosion, icing, minimum current, and moisture requirements</li> <li>Top &amp; roller plungers have an internal ice scraper ring</li> </ul>	<ul style="list-style-type: none"> <li>Designed to meet moisture resistance, explosion, and salt spray requirements</li> <li>Top plungers have an internal ice scraper ring</li> <li>Operates at low temperatures (-65°C [-85°F])</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>Aircraft</li> <li>Ordnance</li> <li>Moist and/or dusty industrial environments</li> </ul>	<ul style="list-style-type: none"> <li>Adverse gas or vapor environments</li> <li>Oil drilling installations</li> <li>Marine environments</li> <li>Submarines &amp; stationary undersea</li> <li>Refrigeration units</li> <li>Aircraft and space craft</li> <li>Earth moving machinery</li> <li>Desert vehicles</li> </ul>	<ul style="list-style-type: none"> <li>Adverse gas or vapor environments</li> <li>Aircraft and helicopters</li> <li>Steam cleaning of food processing machines</li> <li>Moist, dusty or oily environments</li> <li>Industrial valve controls</li> </ul>	<ul style="list-style-type: none"> <li>Aircraft landing gear</li> <li>Flap/stabilizer controls</li> <li>Aircraft thrust engine reversers</li> <li>Space vehicles</li> <li>Armored personnel carriers</li> </ul>	<ul style="list-style-type: none"> <li>Jet aircraft de-icer controls</li> <li>Military aircraft wingfold actuators</li> </ul>	<ul style="list-style-type: none"> <li>Aircraft engine thrust reversers</li> </ul>

## Honeywell Sensing and Safety Technologies

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Honeywell Sensing and Safety Technologies services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing, or the nearest Authorized Distributor, visit [sps.honeywell.com/ast](https://sps.honeywell.com/ast) or call: International +815 618 3231; USA/Canada +302 613 4491