

## Features

- Designed for applications of small mounting space
- Improved 10A current capacity
- Constructed with Metal based and plastic cover
- Special design for easy wiring with ample wiring Space
- Standard mounting dimension
- SPDT contact with positive opening of NC contacts
- Long mechanical life
- Oil resist, water and dust proof with Pre-molded flexible cable gland for fast and simple wiring termination

## Applications:

- Machine Tools
- Food Processing Machinery
- Conveyors
- Packaging Machine
- Injection Molding Machine
- Specialty Machinery
- Stereoscopic Warehouse

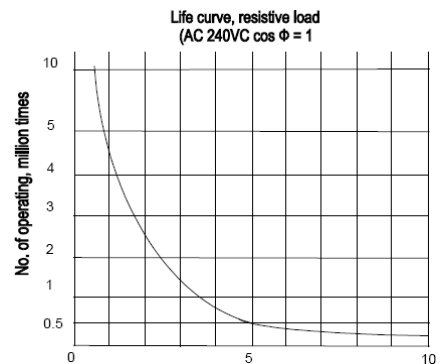


The new economical SZL-VL-S Series miniature type limit switches are specially designed for applications of small mounting space. These miniature switches are ideal for OEM machinery which requires a rugged and reliable limit switch that is capable of being mounted in space restricted applications. A wide range of actuators and optional neon lamp indicators add additional flexibility. A special pre-molded flexible cable gland allows for fast and simple wiring termination

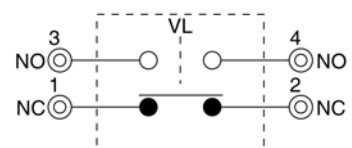
## Characteristics

Contact Type/Material	SPDT, Silver Alloy
Actuators	See selection guide
Operating Speed	0.05mm ~ 2m/s
Operating Frequency	Mechanically : 120 ops/min, Electrically : 30 ops/min
Rated Current/Voltage	10A/250VAC (EN60947-5-1)
Contact Resistance	<25mΩ (initial)
Insulation Resistance	>100MΩ@500V DC
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically : 5,000,000 ops Electrically : 500,000 ops at maximum rating
Shock	Free position:<10G, Maximum position : <30G
Vibration	10 to 55 Hz, 1.5 mm double amplitude
Operating Temperature	-20 to 60°C
Humidity	Max. 95%RH
Certification	CE, UL file# E312336 CCC file # 2007010305227223,
Degree of Protection	IP64

## Mechanical Life Curve




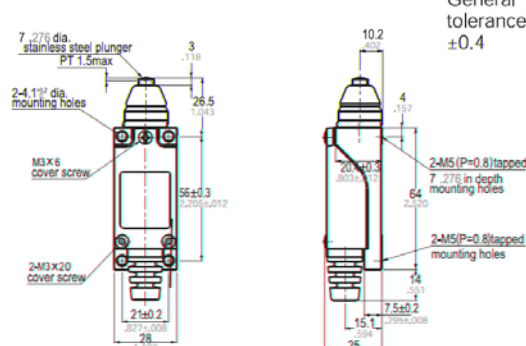
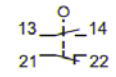

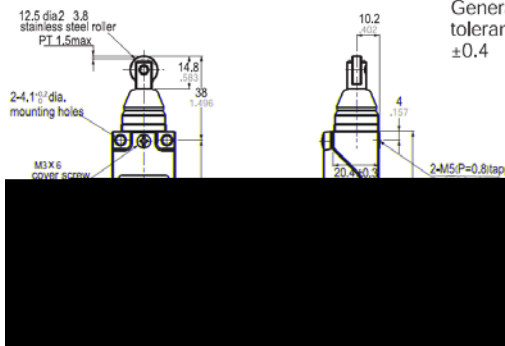
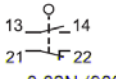

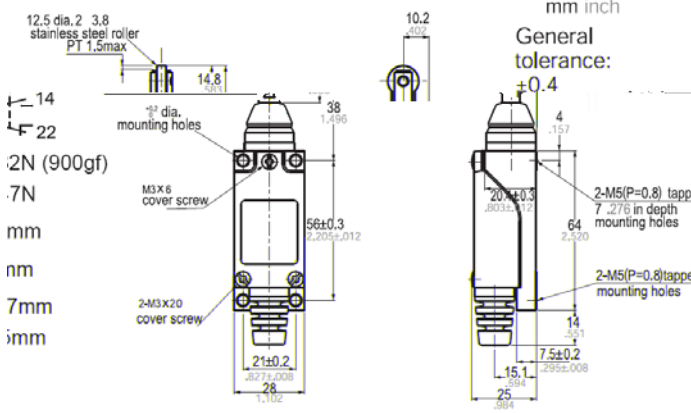
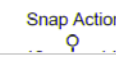

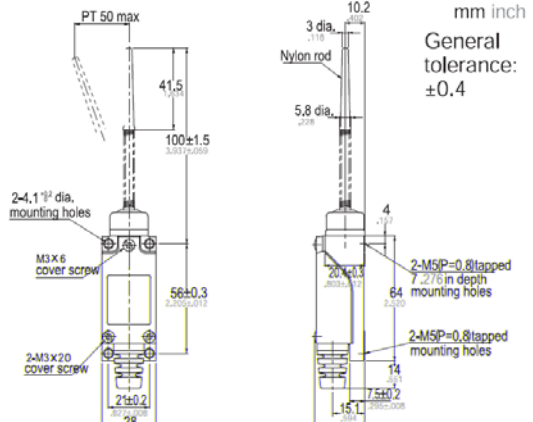
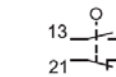
## Wiring Diagram





# SZL-VL-S Series Limit Switches

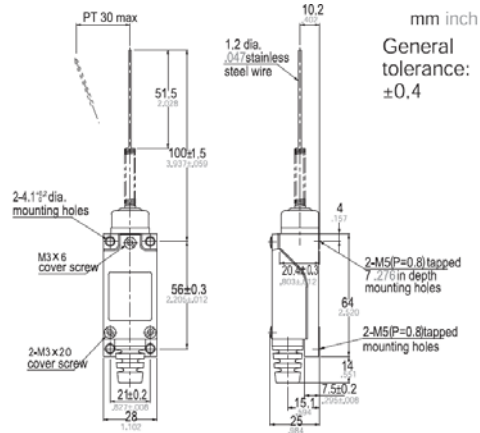
# Honeywell

<p><b>&lt;SZL-VL-S-D&gt;</b></p> 	<p>mm inch</p>  <p>General tolerance: ±0.4</p>	<p>Operating Characteristic</p> <p>Snap Action</p>  <p>OF<sub>max</sub> 8.82N (900gf)</p> <p>RF<sub>min</sub> 1.47N</p> <p>PT<sub>max</sub> 1.5mm</p> <p>OT<sub>min</sub> 4mm</p> <p>MD<sub>max</sub> 0.7mm</p> <p>TT 5.5mm</p>
<p><b>&lt;SZL-VL-S-H&gt;</b></p> 	<p>mm inch</p>  <p>General tolerance: ±0.4</p>	<p>Operating Characteristic</p> <p>Snap Action</p>  <p>OF<sub>max</sub> 8.82N (900gf)</p> <p>RF<sub>min</sub> 1.47N</p>
<p><b>&lt;SZL-VL-S-E&gt;</b></p> 	<p>mm inch</p>  <p>General tolerance: ±0.4</p>	<p>Operating Characteristic</p> <p>Snap Action</p>  <p>OF<sub>max</sub> 8.82N (900gf)</p> <p>RF<sub>min</sub> 1.47N</p> <p>PT<sub>max</sub> 1.5mm</p> <p>OT<sub>min</sub> 4mm</p> <p>MD<sub>max</sub> 0.7mm</p> <p>TT 5.5mm</p>
<p><b>&lt;SZL-VL-S-F&gt;</b></p> 	<p>mm inch</p>  <p>General tolerance: ±0.4</p>	<p>Operating Characteristics</p> <p>Snap Action</p>  <p>OF<sub>max</sub> 0.88N (90gf)</p> <p>PT<sub>max</sub> 30mm</p> <p>OT<sub>max</sub> 20mm</p>

# SZL-VL-S Series Limit Switches

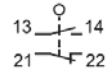


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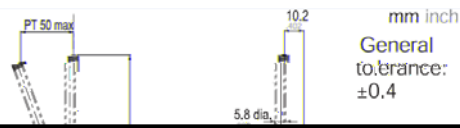
Operating Characteristics

Snap Action



OF <sub>max</sub>	0.88N (90gf)
PT <sub>max</sub>	30mm
OT <sub>max</sub>	20mm

<SZL-VL-S-K>



Operating Characteristics

