## SZL-VL-S Series Limit Switches

Honeywell

## 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 fo fast and simple wiring termination

## Characteristics

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

## Mechanical Life Curve



## Wiring Diagram



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## Head Direction Change

All SZL-V-S with side rotary actuactor heads may be moved in 90 degree increments to any of the four directions by removing the head lock screw.


## Internal Construction View

When the cover is removed, the terminals are fully accessible. This will allow wiring work to be completed very easily. Flexible molded cable gland also simplify wiring work and allow switch to be used in small mounting space.


Dimension and Operating Characteristics


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|  |  |  | Operating Characteristics <br> Snap Action |
| :---: | :---: | :---: | :---: |
|  |  |  |  |

