

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

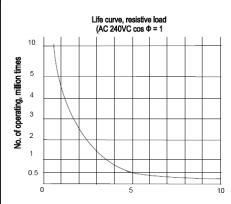


The new economical SZL-VL-S Series miniature type limit switches are specially designed for applications of small mounting space. These miniature switches are ideal for OEM machinery which requires a rugged and reliable limit switch that is capable of being mounted in space restricted applications. A 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

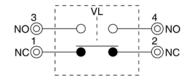
Characteristics

| Contact Type/Material | SPDT, Silver Alloy |
|-----------------------|---|
| Actuators | See selection guide |
| Operating Speed | 0.05mm ~ 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 Strengt | 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



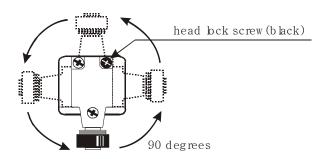
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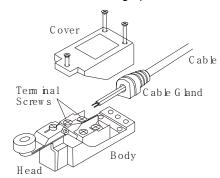
Head Direction Change

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.

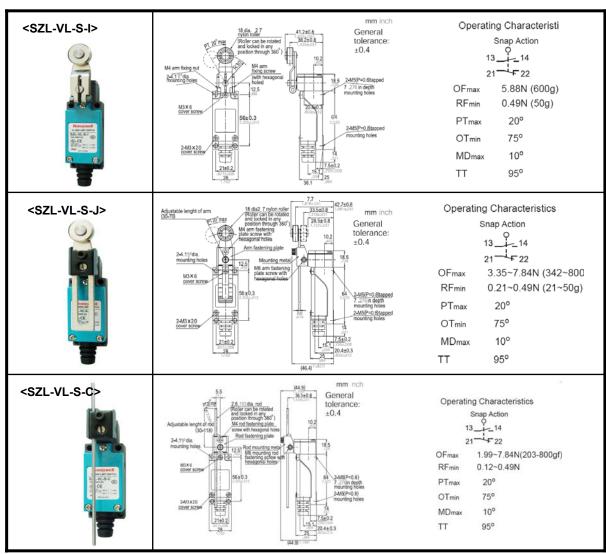


Internal Construction View

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.

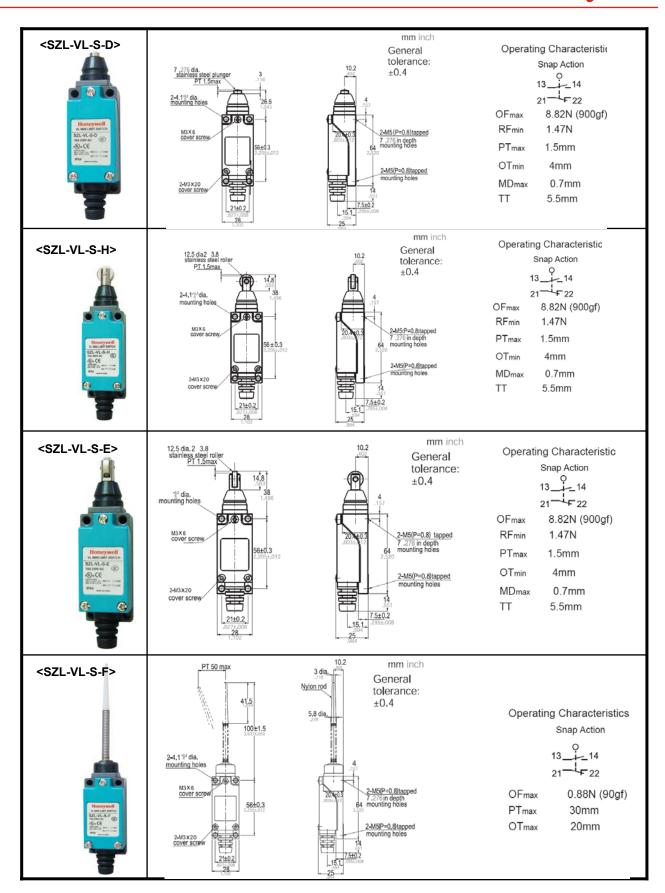


Dimension and Operating Characteristics





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