



### SZL-VL-D

**General Purpose Limit Switch, VL Series; Top Plunger; 1NC 1NO SPDT; Double Break**



*Actual product appearance may vary.*

#### Features

- Gold plated silver contacts
- Compact design for small mounting space
- Special design for easy wiring with ample wiring space
- Two-circuit double-break
- Diecast base and plastic cover
- Standard mounting dimensions
- Long mechanical life
- 5 Amp current capacity
- Ambient Temp Range: -20 °C to 60 °C [-4 °F to 140°F]
- UL, C-UL, CE approved

#### Potential Applications

- Machine Tools
- Material Handling
- Food processing machinery
- Conveyors
- Packaging machinery

#### Description

The new economical SZL-VL 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 add additional flexibility. A special pre-molded flexible cable gland allows for fast and simple wiring termination.

| Product Specifications     |                              |
|----------------------------|------------------------------|
| Availability               | North-America; Asia-Pacific  |
| Operating Force (O.F.)     | 8,83 N max. [2 lbs max.]     |
| Release Force (R.F.)       | 1,47 N min. [0.33 lbs min.]  |
| Pretravel (P.T.)           | 1,5 mm max. [0.060 in max.]  |
| Overtravel (O.T.)          | 4,0 mm min. [0.158 in min.]  |
| Differential Travel (D.T.) | 0,7 mm max. [0.028 in. max.] |
| Product Type               | Miniature Limit Switches     |
| Actuator                   | Top Plunger                  |

|                             |                                     |
|-----------------------------|-------------------------------------|
| Lever Style                 | None                                |
| Circuitry                   | 1NC 1NO SPDT; Double Break          |
| Ampere Rating               | 5.0 A / 0.4 A                       |
| Supply Voltage              | 250 Vac max. / 125 Vdc max.         |
| Housing Material            | Zinc Die-Cast / Plastic             |
| Termination Type            | Cable Gland                         |
| Series Name                 | SZL-VL                              |
| Shock                       | 10 g max.                           |
| Vibration                   | 55 Hz at double amplitude of 1.5 mm |
| Sealing                     | IP64                                |
| Approvals                   | UL, C-UL, CE                        |
| UL File #                   | E150950                             |
| Mechanical Life             | up to 10 million operations         |
| Operating Temperature Range | -20 °C to 60 °C [-4 °F to 140 °F]   |
| Sealed                      | Industrial                          |

mm  
in

7.276 dia.  
stainless steel plunger

