

# Limit and Enclosed Switches

## Compact Limit Switches

SL1 Series



### FEATURES

- Ideal source of replacement parts for imported machine tools or transplant factories
- NEMA 3, 4, 13 and IEC IP 67 sealing
- Smaller size saves space
- Rugged Zinc diecast housing
- Wide product selection to suit many applications
- Snap-in terminal enclosure makes mounting and wiring easy
- Temperature ranges: Standard -10 to +70°C (14 to 158°F); Low temp. with roller lever -40 to +70°C (-40 to 158°F); Low temp. with roller plunger -50 to 70°C (-60 to +158°F)

SL1 series compact limit switches are sealed, sensitive, and have a long life. The compact size makes them suitable for the total miniaturization of machinery or equipment.

Versions are available with: gold-clad cross-point contacts, prewiring, lamp indications, seal boots with roller plungers, and a variety of actuating possibilities.

For rapid response – off the shelf service, all **bold face** listings are normally stocked items.

### CIRCUITRY AND ELECTRICAL RATING

| <br>Single-Pole<br>Double-Throw | Listing | Rating                    | Contact               |
|------------------------------------------------------------------------------------------------------------------|---------|---------------------------|-----------------------|
|                                                                                                                  | SL1-□   | 5A-125, 250VAC            | Silver                |
|                                                                                                                  | SL1-□ K | 0.1A-125VAC<br>0.1A-30VDC | Gold Clad Cross Point |

Note: Conduit will seal to cable diameters from 5.8mm to 9.6mm.

### ORDER GUIDE AND MOUNTING DIMENSIONS

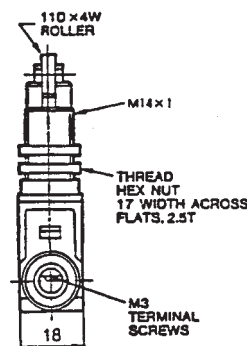
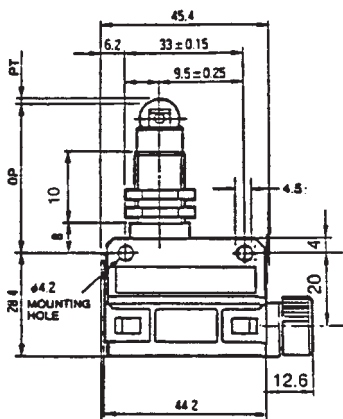
UL/CSA listings available by adding "2" to catalog listing.  
Example: SL1-A2

UL Recognized, file #E37559

CSA Certified, file #LR61344, LR21098, LR47132, LR61643

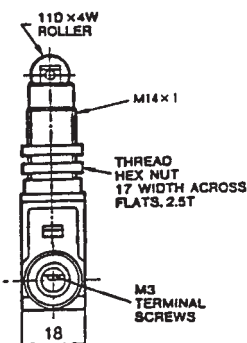
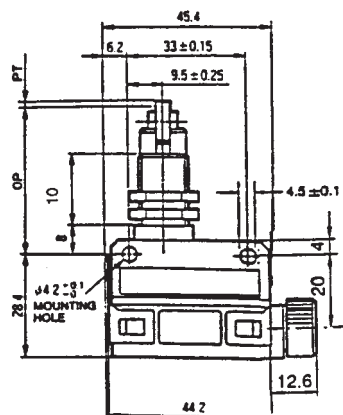
#### ROLLER PLUNGER

| Catalog Listing | SL1-A<br>SL1-AK |
|-----------------|-----------------|
| O.F. (max.)     | 1,200 g         |
| R.F. (min.)     | 500 g           |
| P.T. (max.)     | 1.5 mm          |
| O.T. (min.)     | 3 mm            |
| D.T. (max.)     | 0.1 mm          |
| O.P.            | 31.4 mm         |



#### CROSS ROLLER PLUNGER

| Catalog Listing | SL1-D<br>SL1-DK |
|-----------------|-----------------|
| O.F. (max.)     | 1,200 g         |
| R.F. (min.)     | 500 g           |
| P.T. (max.)     | 1.5 mm          |
| O.T. (min.)     | 3 mm            |
| D.T. (max.)     | 0.1 mm          |
| O.P.            | 31.4 mm         |



Characteristics: O.F. - Operating Force; R.F. - Release Force; P.T. - Pretravel; O.T. - Overtravel; D.T. - Differential Travel; N - Newtons

# Limit and Enclosed Switches

## Compact Limit Switches

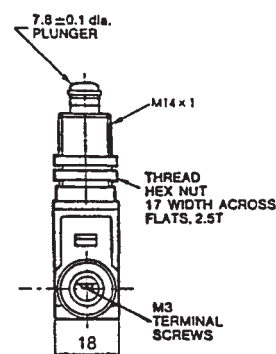
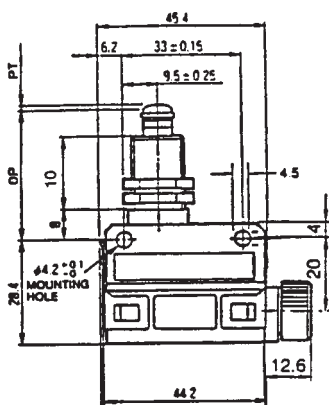
SL1 Series



### STRAIGHT PLUNGER

|                 |        |
|-----------------|--------|
| Catalog Listing | SL1-H  |
|                 | SL1-HK |

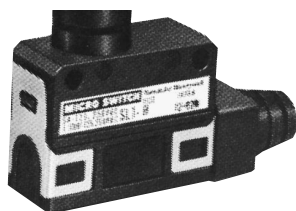
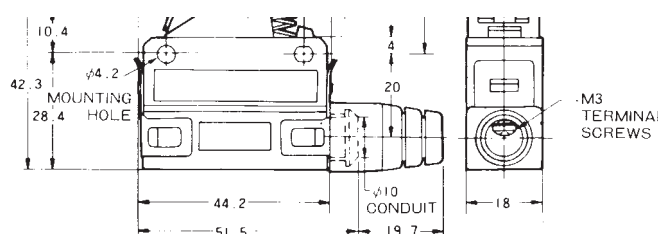
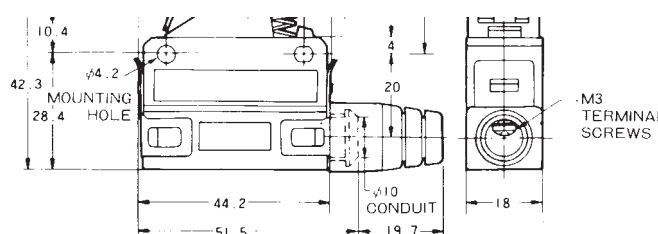
|             |         |
|-------------|---------|
| O.F. (max.) | 1,200 g |
| R.F. (min.) | 500 g   |
| P.T. (max.) | 1.5 mm  |
| O.T. (min.) | 3 mm    |
| D.T. (max.) | 0.1 mm  |
| O.P.        | 25.4 mm |



### ROLLER LEVER

|                 |        |
|-----------------|--------|
| Catalog Listing | SL1-P  |
|                 | SL1-PK |

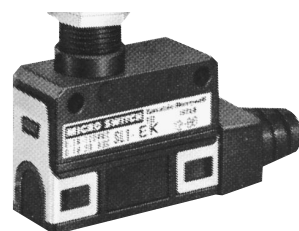
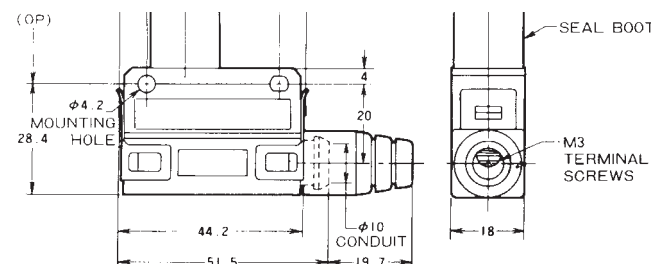
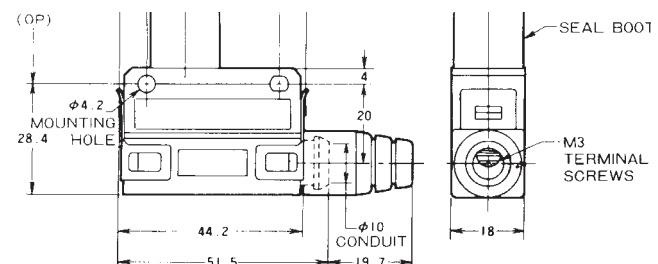
|             |         |
|-------------|---------|
| O.F. (max.) | 400 g   |
| R.F. (min.) | 80 g    |
| P.T. (max.) | 2 mm    |
| O.T. (min.) | 4 mm    |
| D.T. (max.) | 0.3 mm  |
| O.P.        | 23.1 mm |



### ROLLER PLUNGER WITH SEAL BOOT

|                 |        |
|-----------------|--------|
| Catalog Listing | SL1-B  |
|                 | SL1-BK |

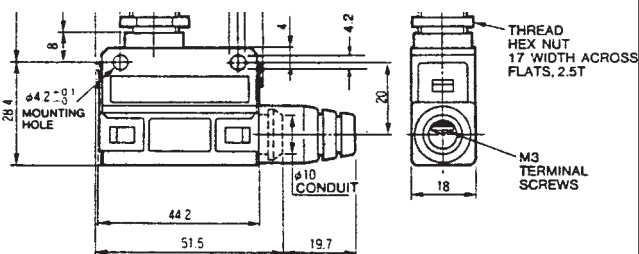
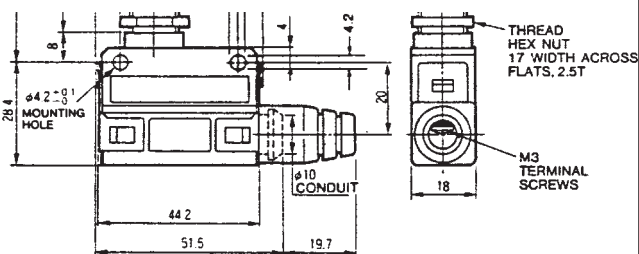
|             |         |
|-------------|---------|
| O.F. (max.) | 1,200 g |
| R.F. (min.) | 500 g   |
| P.T. (max.) | 1.5 mm  |
| O.T. (min.) | 3 mm    |
| D.T. (max.) | 0.1 mm  |
| O.P.        | 41.4 mm |



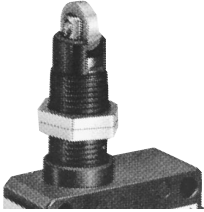
### LONG ROLLER PLUNGER

|                 |        |
|-----------------|--------|
| Catalog Listing | SL1-E  |
|                 | SL1-EK |

|             |         |
|-------------|---------|
| O.F. (max.) | 1,200g  |
| R.F. (min.) | 500g    |
| P.T. (max.) | 1.5 mm  |
| O.T. (min.) | 3 mm    |
| D.T. (max.) | 0.1 mm  |
| O.P.        | 41,4 mm |



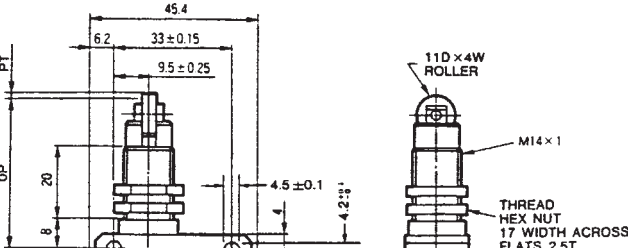
Limit/Enclosed



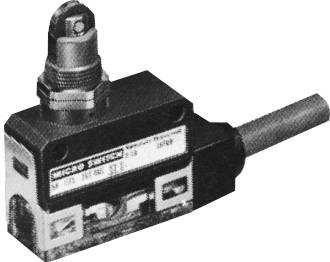
LONG CROSS ROLLER  
PLUNGER

|                 |                 |
|-----------------|-----------------|
| Catalog Listing | SL1-K<br>SL1-KK |
|-----------------|-----------------|

|             |        |
|-------------|--------|
| O.F. (max.) | 1,200g |
| R.F. (min.) | 500g   |
| P.T. (max.) | 1.5mm  |
| O.T. (min.) | 3mm    |
| D.T. (max.) | 0.1mm  |
| O.P.        | 41,4mm |



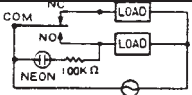
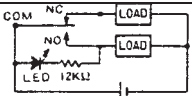
COMPACT LIMIT SWITCHES WITH LAMP INDICATION



FEATURES

- Available with neon lamp for 100-250 VAC. Available with LED lamp for 24 VDC
- Lamp indication clearly visible from most angles through the rugged transparent nylon enclosure
- Provided with oil resistant vinyl cabtyre cable

ORDER GUIDE

| Specification                                                                                                 | Catalog Listing | Wiring                                                                              |
|---------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Neon lamp</li><li>• 100 to 250 VAC</li><li>• Silver contact</li></ul> | SL1-□ EXG2      |  |
| <ul style="list-style-type: none"><li>• LED lamp</li><li>• 24 VDC</li><li>• Gold clad</li></ul>               | SL1-□ KFXG2     |  |

MOUNTING DIMENSIONS  
(For reference only)      Dimensions - mm

