

# LORLIN Rotary Switches

## MT SUBMINIATURE ROTARY SWITCH

### Features:

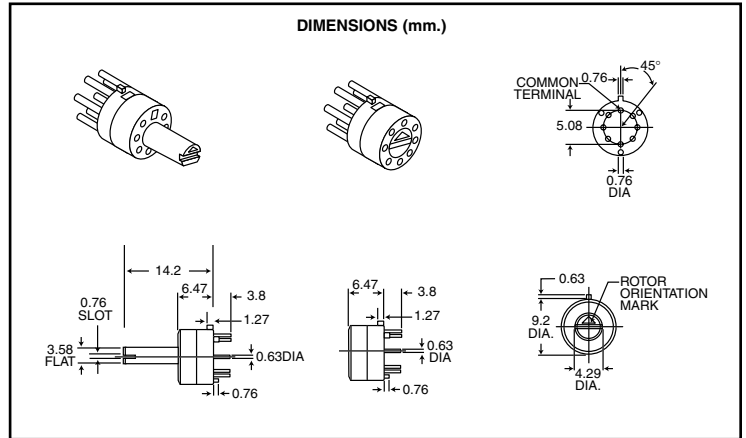
- Moulded 9.2mm diameter TO-5 rotary switch
- 45° indexing, positive action
- 1 pole up to 7 break-before make positions + off
- 6.4 mm mounted height above printed circuit board
- Screwdriver operating slot flush with top of housing
- Also available with 7.75mm long x 3.58mm diameter spindle with full length flat and screwdriver slot

### Specifications:

- Current & voltage ratings: 10 milliamps 1 volt, 500 milliamps 125, VAC resistive load
- Breakdown voltage: 500 V 60 Hz
- Contact resistance: 500 milliamps, 50 milliohms max initial. 100 milliohms max after operating life
- Insulation resistance: 50,000 megohms min at 100 volts
- Life: 2500 cycles
- Common ring terminal: Phosphor bronze, hard gold plate over nickel plate
- Selected terminals: Copper alloy, hard gold plate over nickel plate

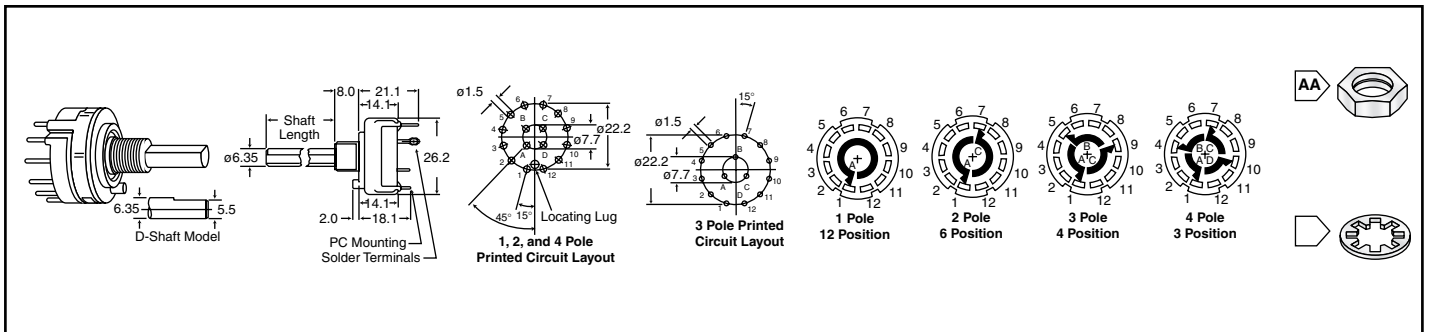
"Off" in extreme anti-clockwise position

| MOUSER STOCK NO. |         | Travel | Positions |
|------------------|---------|--------|-----------|
| Flush Slot       | Spindle |        |           |
| 10MT111          | 10MT211 | 360°   | 8         |
| 10MT118          | 10MT218 | 315°   | 8         |
| 10MT117          | 10MT217 | 270°   | 7         |
| 10MT116          | 10MT216 | 225°   | 6         |
| 10MT115          | 10MT215 | 180°   | 5         |
| 10MT114          | 10MT214 | 135°   | 4         |
| 10MT113          | 10MT213 | 90°    | 3         |
| 10MT112          | 10MT212 | 45°    | 2         |



## FULLY ENCLOSED ADJUSTABLE ROTARY SWITCHES

DIMENSIONS (mm.)



### Features:

- Fully enclosed contacts
- Glass filled nylon
- Nylon design provides maximum shock hazard protection.

### Specifications:

- Working voltage: 250VAC or 250VDC max.
- Breakdown voltage: 1000Vrms
- Contact resistance: less than 50mΩ max.
- Index angle: 30°
- Contact life: over 10,000 operations
- Contact rating: .15A @ 250VAC or DC
- Contact material: silver plated brass

### Shorting 6.35mm (1/4") Round Shaft

(Make-Before-Break)

| MOUSER STOCK NO.        | Poles | Positions (User Selectable) | Shaft Length (In.) | Shaft Length (mm.) |
|-------------------------|-------|-----------------------------|--------------------|--------------------|
| <b>Solder Terminals</b> |       |                             |                    |                    |
| 105-13571               | 1     | 2 - 12                      | 3/8                | 9.5                |
| 105-13572               | 2     | 2 - 6                       | 3/8                | 9.5                |
| 105-13573               | 3     | 2 - 4                       | 3/8                | 9.5                |
| 105-13574               | 4     | 2 - 3                       | 3/8                | 9.5                |

### Non-Shorting 6.35mm (1/4") D-Shaft

(Break-Before-Make)

| MOUSER STOCK NO.        | Poles | Positions (User Selectable) | Shaft Length (In.) | Shaft Length (mm.) |
|-------------------------|-------|-----------------------------|--------------------|--------------------|
| <b>Solder Terminals</b> |       |                             |                    |                    |
| 10WA124                 | 1     | 2 - 12                      | 1 3/16             | 30.0               |
| 10WA125                 | 2     | 2 - 6                       | 1 3/16             | 30.0               |
| 10WA126                 | 3     | 2 - 4                       | 1 3/16             | 30.0               |
| 10WA127                 | 4     | 2 - 3                       | 1 3/16             | 30.0               |
| 10WA164                 | 1     | 2 - 12                      | 1/2                | 12.7               |
| 10WA165                 | 2     | 2 - 6                       | 1/2                | 12.7               |
| 10WA166                 | 3     | 2 - 4                       | 1/2                | 12.7               |
| 10WA167                 | 4     | 2 - 3                       | 1/2                | 12.7               |
| 10WA154                 | 1     | 2 - 12                      | 3/8                | 9.5                |
| 10WA155                 | 2     | 2 - 6                       | 3/8                | 9.5                |
| 10WA156                 | 3     | 2 - 4                       | 3/8                | 9.5                |
| 10WA157                 | 4     | 2 - 3                       | 3/8                | 9.5                |
| <b>PC Terminals</b>     |       |                             |                    |                    |
| 10WA144                 | 1     | 2 - 12                      | 1 3/16             | 30.0               |
| 10WA145                 | 2     | 2 - 6                       | 1 3/16             | 30.0               |
| 10WA146                 | 3     | 2 - 4                       | 1 3/16             | 30.0               |
| 10WA147                 | 4     | 2 - 3                       | 1 3/16             | 30.0               |
| 10WA134                 | 1     | 2 - 12                      | 1/2                | 12.7               |
| 10WA135                 | 2     | 2 - 6                       | 1/2                | 12.7               |
| 10WA136                 | 3     | 2 - 4                       | 1/2                | 12.7               |
| 10WA137                 | 4     | 2 - 3                       | 1/2                | 12.7               |
| 10WA174                 | 1     | 2 - 12                      | 3/8                | 9.5                |
| 10WA175                 | 2     | 2 - 6                       | 3/8                | 9.5                |
| 10WA176                 | 3     | 2 - 4                       | 3/8                | 9.5                |
| 10WA177                 | 4     | 2 - 3                       | 3/8                | 9.5                |

### Non-Shorting 6.35mm (1/4") Round Shaft

(Break-Before-Make)

| MOUSER STOCK NO.        | Poles | Positions (User Selectable) | Shaft Length (In.) | Shaft Length (mm.) |
|-------------------------|-------|-----------------------------|--------------------|--------------------|
| <b>Solder Terminals</b> |       |                             |                    |                    |
| 105-14571               | 1     | 2 - 12                      | 3/8                | 9.5                |
| 105-14572               | 2     | 2 - 6                       | 3/8                | 9.5                |
| 105-14573               | 3     | 2 - 4                       | 3/8                | 9.5                |
| 105-14574               | 4     | 2 - 3                       | 3/8                | 9.5                |
| <b>PC Terminals</b>     |       |                             |                    |                    |
| 105-2454                | 1     | 2 - 12                      | 3/8                | 9.5                |
| 105-2455                | 2     | 2 - 6                       | 3/8                | 9.5                |
| 105-2456                | 3     | 2 - 4                       | 3/8                | 9.5                |
| 105-2457                | 4     | 2 - 3                       | 3/8                | 9.5                |

## CONTINUOUS ROTATION

### Non-Shorting 6.35mm (1/4") D-Shaft

(Break-Before-Make)

| MOUSER STOCK NO.        | Poles | Positions (User Selectable) | Shaft Length (In.) | Shaft Length (mm.) |
|-------------------------|-------|-----------------------------|--------------------|--------------------|
| <b>Solder Terminals</b> |       |                             |                    |                    |
| 10WC204                 | 1     | 12                          | 3/8                | 9.5                |
| 10WC205                 | 2     | 6                           | 3/8                | 9.5                |
| 10WC224                 | 1     | 12                          | 1/2                | 12.7               |
| 10WC225                 | 2     | 6                           | 1/2                | 12.7               |
| 10WC244                 | 1     | 12                          | 1 3/16             | 30.0               |
| 10WC245                 | 2     | 6                           | 1 3/16             | 30.0               |
| <b>PC Terminals</b>     |       |                             |                    |                    |
| 10WC404                 | 1     | 12                          | 3/8                | 9.5                |
| 10WC405                 | 2     | 6                           | 3/8                | 9.5                |
| 10WC444                 | 1     | 12                          | 1 3/16             | 30.0               |
| 10WC445                 | 2     | 6                           | 1 3/16             | 30.0               |

## REPLACEMENT HARDWARE

| MOUSER STOCK NO. | Fig. | Size (mm)  | Price Each |      |
|------------------|------|------------|------------|------|
|                  |      |            | 100        | 1000 |
| 481-0095         | AA   | M9.5 x .75 | .24        | .21  |
| 481-0680         | BB   | 10         | .056       | .050 |