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# MT SUBMINIATURE ROTARY SWITCH

## GENERAL ELECTRICAL & MECHANICAL SPECIFICATION

**RoHS COMPLIANT**

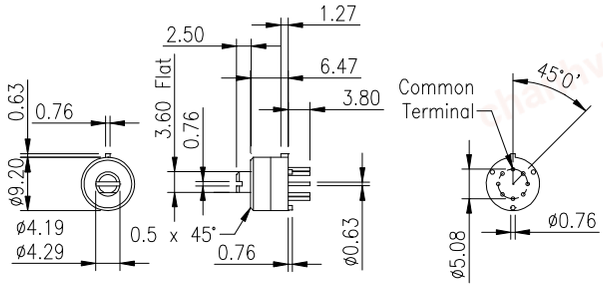
| | |
|---|---|
| Switch Ratings: | 500mA @ 24Vac/dc |
| Life: | Up to 5,000 Cycles |
| Operating Temperature: | -20ºC to +65 ºC |
| Proof Voltage: | 500Vac (Initial) |
| Insulation Resistance: | >999 MΩ at 500Vdc (Initial) |
| Contact Resistance: | <50 mΩ (Initial)<br><100 mΩ after operating life |
| Indexing Angle: | 45º/ position – 8 position max. |
| Rotational Torque: | 3.2+/-0.5 cNm (nominal) |
| End Stop Torque: | 20cNm (nominal) |
| Base: | LCP |
| Spindle: | Nylon 6/6 |
| Housing: | Nylon 6/6 |
| Terminals: | Brass Au Plated |



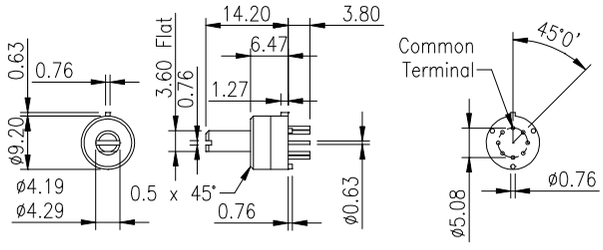
## GENERAL FEATURES

- Moulded 9.2mm diameter TO-5 Rotary Switch
- 45º Indexing, positive action
- 6.4mm mounted height above PCB
- 1 Pole up to 7 positions + "OFF"
- Gold plated terminals and contacts for low power switching

## SHORT SPINDLE SCREWDRIVER SLOT




## LONG SPINDLE SCREWDRIVER SLOT




## ORDERING CODES

| ROTATION | NUMBER OF POSITIONS | TRAVEL | PART NUMBER (short spindle) | PART NUMBER (long spindle) |
|---|---|---|---|---|
| No Stop Continuous Rotation | OFF, 1,2,3,4,5,6,7 | 360º | MTS-11-10-RS | MTL-21-10-RS |
| "OFF" In Extreme Anti-Clockwise Position (Position 1) | OFF, 1,2,3,4,5,6,7 | 315º | MTS-11-80-RS | MTL-21-80-RS |
| | OFF, 1,2,3,4,5,6 | 270º | MTS-11-70-RS | MTL-21-70-RS |
| | OFF, 1,2,3,4,5 | 225º | MTS-11-60-RS | MTL-21-60-RS |
| | OFF, 1,2,3,4 | 180º | MTS-11-50-RS | MTL-21-50-RS |
| | OFF, 1,2,3 | 135º | MTS-11-40-RS | MTL-21-40-RS |
| | OFF,1, 2 | 90º | MTS-11-30-RS | MTL-21-30-RS |
| | OFF, 1 | 45º | MTS-11-20-RS | MTL-21-20-RS |

| ROTATION | NUMBER OF POSITIONS<br>NOTE: start position is 45° clockwise different from MTS-11 & MTS-21 types | TRAVEL | PART NUMBER (short spindle) | PART NUMBER (long spindle) |
|---|---|---|---|---|
| "OFF" in Extreme Clockwise position (position 8) | 1,2,3,4,5,6,7,OFF | 315º | MTS-12-80-RS | MTL-22-80-RS |
| | 1,2,3,4,5,6,7 | 270º | MTS-12-70-RS | MTL-22-70-RS |
| | 1,2,3,4,5,6 | 225º | MTS-12-60-RS | MTL-22-60-RS |
| | 1,2,3,4,5 | 180º | MTS-12-50-RS | MTL-22-50-RS |
| | 1,2,3,4 | 135º | MTS-12-40-RS | MTL-22-40-RS |
| | 1,2,3 | 90º | MTS-12-30-RS | MTL-22-30-RS |
| | 1,2, | 45º | MTS-12-20-RS | MTL-22-20-RS |


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