

# MT SUBMINIATURE ROTARY SWITCH

## GENERAL ELECTRICAL & MECHANICAL SPECIFICATION

**RoHS COMPLIANT**

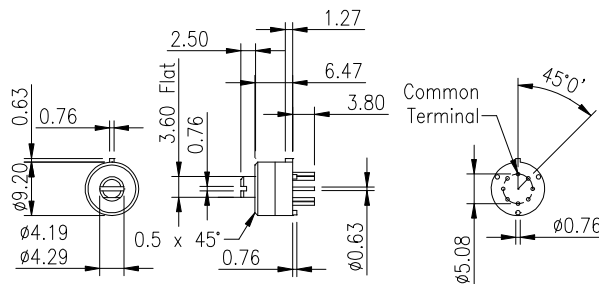
Switch Ratings:	500mA @ 24Vac/dc
Life:	Up to 5,000 Cycles
Operating Temperature:	-20°C to +65 °C
Proof Voltage:	500Vac (Initial)
Insulation Resistance:	>999 MΩ at 500Vdc (Initial)
Contact Resistance:	<50 mΩ (Initial) <100 mΩ after operating life
Indexing Angle:	45° position – 8 position max.
Rotational 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



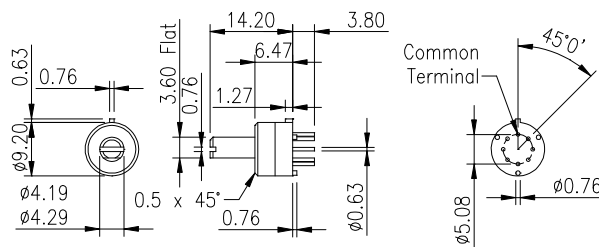
## GENERAL FEATURES

- Moulded 9.2mm diameter TO-5 Rotary Switch
- 45° 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	360°	MTS-11-10-RS	MTL-21-10-RS
“OFF” In Extreme Anti-Clockwise Position (Position 1)	OFF, 1,2,3,4,5,6,7	315°	MTS-11-80-RS	MTL-21-80-RS
	OFF, 1,2,3,4,5,6	270°	MTS-11-70-RS	MTL-21-70-RS
	OFF, 1,2,3,4,5	225°	MTS-11-60-RS	MTL-21-60-RS
	OFF, 1,2,3,4	180°	MTS-11-50-RS	MTL-21-50-RS
	OFF, 1,2,3	135°	MTS-11-40-RS	MTL-21-40-RS
	OFF, 1, 2	90°	MTS-11-30-RS	MTL-21-30-RS
	OFF, 1	45°	MTS-11-20-RS	MTL-21-20-RS

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