

MT SUBMINIATURE ROTARY SWITCH

GENERAL ELECTRICAL & MECHANICAL SPECIFICATION

Switch Ratings:	500mA @ 24Vac/dc
Life:	Up to 5,500 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

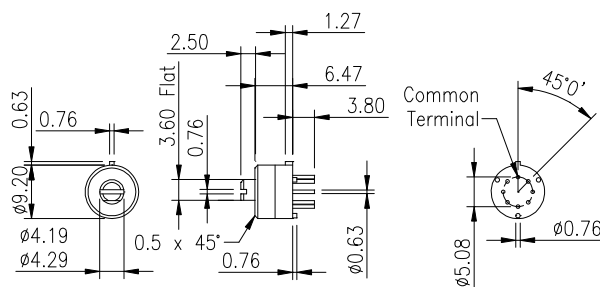
RoHS COMPLIANT



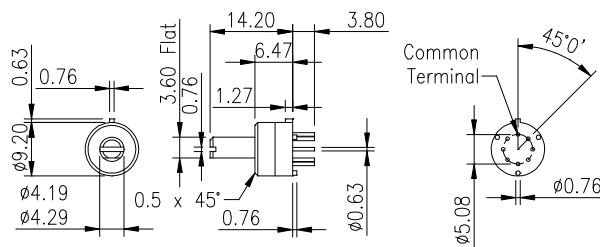
GENERAL FEATURES

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

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	MTL-22-80
	1,2,3,4,5,6,7	270°	MTS-12-70	MTL-22-70
	1,2,3,4,5,6	225°	MTS-12-60	MTL-22-60
	1,2,3,4,5	180°	MTS-12-50	MTL-22-50
	1,2,3,4	135°	MTS-12-40	MTL-22-40
	1,2,3	90°	MTS-12-30	MTL-22-30
	1,2	45°	MTS-12-20	MTL-22-20

Mouser Electronics

Authorized Distributor

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[22-70](#) [MTS-12-70](#) [MTS-12-60](#) [MTS-12-20](#) [MTS-12-40](#)