

SEALED, MAGNETICALLY HELD TOGGLES

The T6 magnetically held toggle is the logical choice for applications requiring magnetic hold capabilities. This functionality is especially suited for applications in military, industrial, and fixed wing and rotary aircraft.

The T6, which meets SAE AS5591, is an environmentally sealed, compact, high-performance switch. It's available in single- and double-pole configurations with a lever lockout option. Choose two or three positions with many configurations of electrically maintained, mechanically maintained or mechanically locked.

Features:

- Meets SAE AS55941
- Internal solenoid provides "hold" function
- All stainless-steel housing
- Bat handle, tab handle, oval handle or lever lockout
- Single-pole, two-position or two-pole with two- or three-position
- Multiple terminal styles
- Includes mounting hardware

Keyway Side	Center	Opposite Keyway
Single Pole 2 Position		
Elec. M	NONE	Mech. M
Mech. Locked	NONE	Mech. M
Mech. M	NONE	Elec. M
Mech. M	NONE	Mech. Locked
Two Pole 2 Position		
Elec. M	NONE	Mech. Locked
Elec. M	NONE	Mech. M
Mech. Locked	NONE	Elec. M
Mech. M	NONE	Elec. M
Two Pole 3 Position		
Elec. M	Mech. Locked	Mech. M
Elec. M	Mech. M	Elec. M
Elec. M	Mech. M	Mech. M
Elec. M	Mech. M	Mech. Locked
Mech. Locked	Mech. M	Elec. M
Mech. M	Mech. Locked	Elec. M
Mech. M	Mech. M	Elec. M
Mech. Locked Versions - Pull to Unlock or Push to Unlock		



Standard Characteristics/Ratings:

ELECTRICAL RATINGS:

Load	Sea Level @ 28VDC	65,000 ft. @ 28VDC
Resistive*	1.0 – 7.0 AMPS	1.0 – 5.0 AMPS
Inductive*	0.5 – 3.0 AMPS	0.0 – 2.5 AMPS
Motor*	0.0 – 4.0 AMPS	0.0 – 4.0 AMPS
DWV	1050 VRMS	400 VRMS

Mechanical Life: 40,000 cycles

Seal: Per MIL-STD-202 Method 112

Operating Temp Range: -65°C to +71°C

MATERIALS:

Case: Stainless Steel

Bushing: Stainless Steel

Toggle: Stainless steel

Mounting Hardware: MS25082-C21 Hexnut (2X)
MS35333-136 Lockwasher
MS25081C4 Keyway Washer

*These values represent the acceptable ranges for both the 2- and 3-position configurations. Ask OTTO for the specific requirements for each configuration.

T6 PART NUMBERS

T6 part numbers do not account for all attributes. The first two characters after the dash represent number of poles and positions:

T6-1A = Single Pole, 2 Position

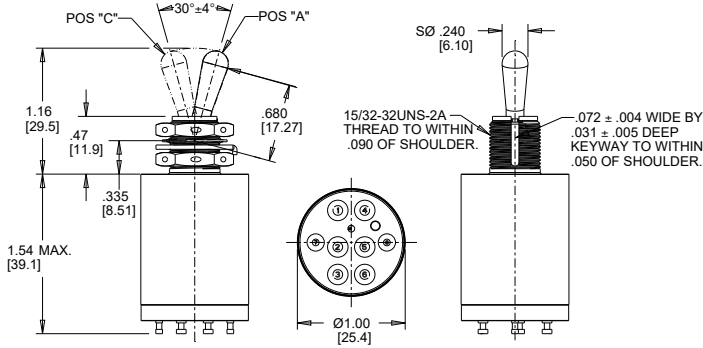
T6-2A = Double Pole, 2 Position

T6-2B = Double Pole, 3 Position

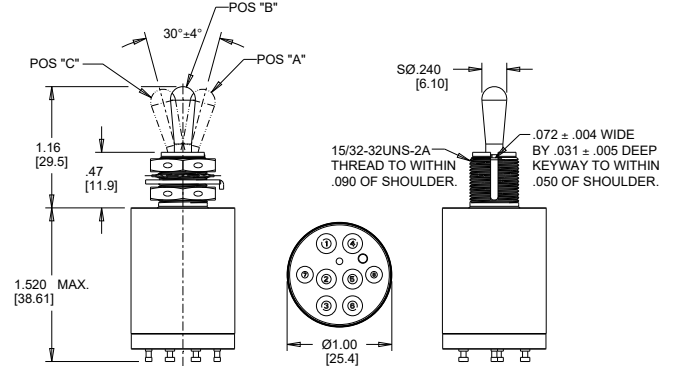
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T6 DRAWINGS AND SCHEMATICS

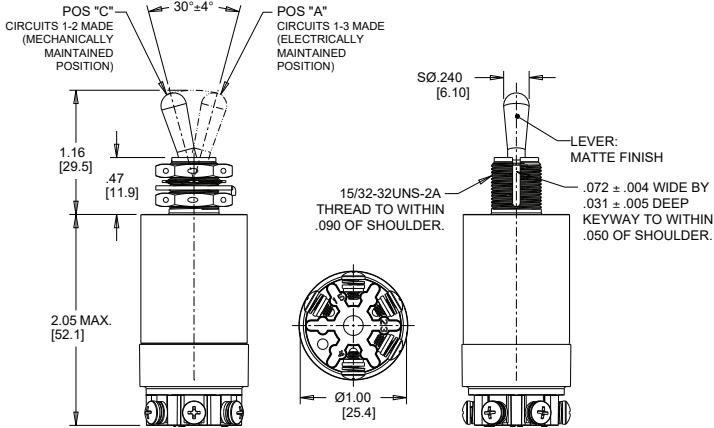
DOUBLE POLE, TWO POSITION BAT HANDLE WITH SOLDER TURRETS



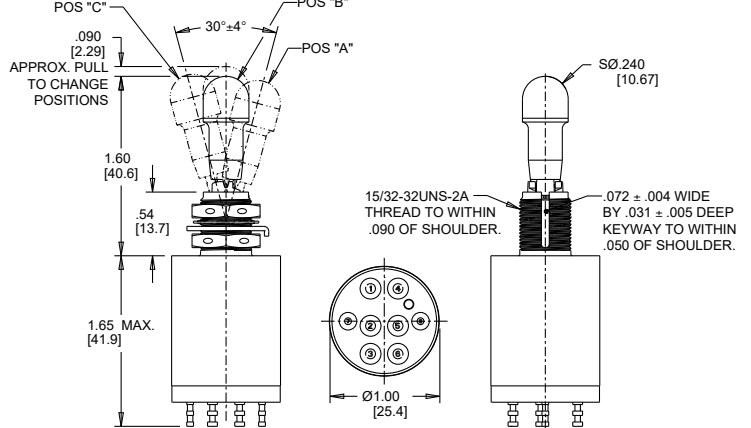
DOUBLE POLE, THREE POSITION BAT HANDLE WITH SOLDER TURRETS



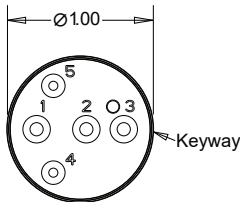
SINGLE POLE, TWO POSITION BAT HANDLE WITH SCREW TERMINALS



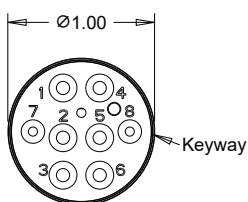
DOUBLE POLE, THREE POSITION LEVER LOCKOUT WITH SOLDER DOUBLE TURRETS



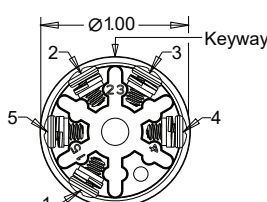
SINGLE POLE SOLDER TURRET



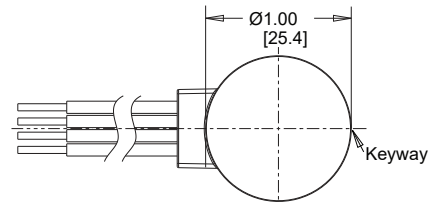
DOUBLE POLE SOLDER TURRET



SINGLE POLE ONLY SCREW TERMINAL



WIRE LEADS 18, 20, 22 AWG



SINGLE POLE, 2 POSITION SCHEMATICS

SWITCH ACTION VS. TOGGLE POSITION	
POSITION A	POSITION C
KEYWAY	OPPOSITE KEYWAY
ELECTRICALLY MAINTAINED	MECHANICALLY MAINTAINED

DOUBLE POLE, 2 POSITION SCHEMATICS

SWITCH ACTION VS. TOGGLE POSITION	
POSITION A	POSITION C
KEYWAY	OPPOSITE KEYWAY
ELECTRICALLY MAINTAINED	MECHANICALLY MAINTAINED

DOUBLE POLE, 3 POSITION SCHEMATICS

SWITCH ACTION VS. TOGGLE POSITION		
POSITION A	POSITION B	POSITION C
KEYWAY	CENTER	OPPOSITE KEYWAY
ELECTRICALLY MAINTAINED	MECHANICALLY MAINTAINED	ELECTRICALLY MAINTAINED

All specifications, including component values, diode configurations, and related parameters, are customizable based on your specific requirements. For detailed information and customization options, please contact us directly.