OTTO®

T6 TOGGLE

MAGNETICALLY HELD SEALED TOGGLE SWITCH

DATA SHEET

Many configurations for critical “hold” function

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.

Designed in accordance with SAE AS55941, the T6 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 OFF-ON in momentary and maintained action.

FEATURES

+ Designed according to SAE AS55941
+ Internal solenoid provides “hold” function
+ All stainless steel housing
+ Lockout lever option available
+ Two or three position, momentary or maintained action
+ Multiple terminal styles
+ Includes mounting hardware

T6 PART NUMBER CODE

T6 – X X X X X

Circuitry	Terminal Style	Circuit Made With Toggle At:			Toggle Style	Lockout Feature**
		Keyway Side	Center	Opposite Keyway		
1. 1 Pole	1. Screw	A. ON	NONE	OFF	1. Bat Handle	A, B, D, E, F, G, H, J, K, L, M, N, P (See Chart, otherwise omit)
2. 2 Pole	2. Solder	B. ON	NONE	ON	2. Lever Lockout	
	3. Connector*	C. (ON)	NONE	OFF		
	4. .Lead Wire (20 AWG)	D. (ON)	NONE	ON		
		E. (ON)	OFF	(ON)		
		F. ON	OFF	ON		
		G. (ON)	OFF	ON		
		H. OFF	NONE	ON		
		J. OFF	NONE	(ON)		
		K. ON	OFF	(ON)		

NOTE: ( ) denotes momentary action.

* MS27478Y10E3SP

** For A-P options see Lever Lockout Configuration table, otherwise omit.

OTTO PROUDLY MANUFACTURED IN THE U.S.A.

Standard Characteristics/Rating:						
ELECTRICAL RATINGS:						
Load	Sea Level @ 28VDC			65,000 ft. @ 28VDC		
GROUP	A	B	C	A	B	C
Resistive*	4	4	7	4	4	5
Inductive*	2.5	3	2	2	2.5	1.5
Motor*	4	4	–	4	4	–
DWV	1050 VRMS			400 VRMS		
Mechanical Life:	Up to 40,000 cycles					
Seal:	Per SAE AS55941					
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 correspond to the two-position configurations and are subject to variation based on the specific customization options selected.

Lever Lockout Configuration Codes

Figures A thru P are schematics to illustrate lockout configurations and momentary positions. They do not represent details of construction.

A Locked in all three positions

B Locked in Center and Keyway Side position

D Locked out of Center position

E Locked in Center position

F Locked in Opposite Keyway position

G Locked in Keyway Side position

H Locked out of Center and Keyway Side Position

J Locked out of Center and Opposite Keyway position

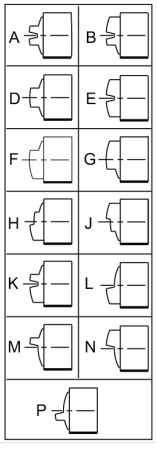
K Locked in Center and Opposite Keyway position

L Locked out of Keyway Side position

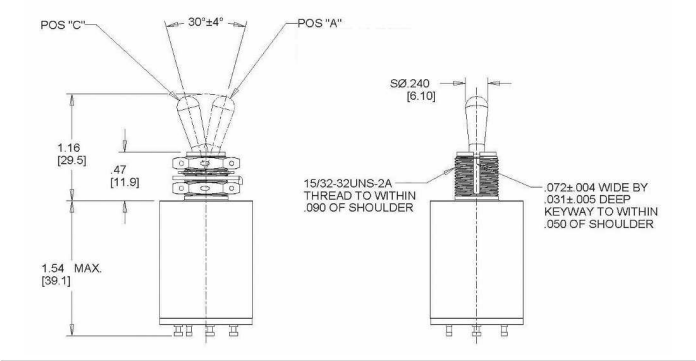
M Locked out of and into Opposite Keyway position

N Locked out of Opposite Keyway position

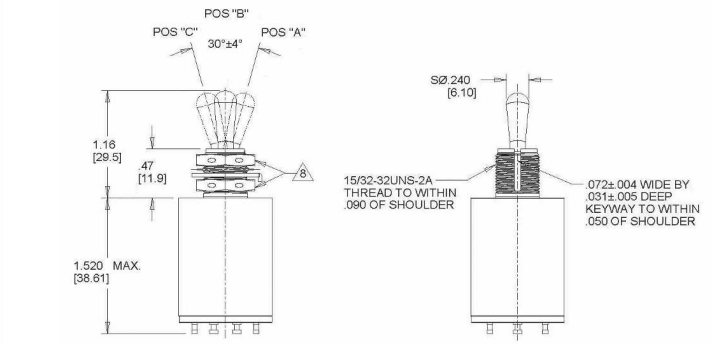
P Locked out of and into Keyway Side position



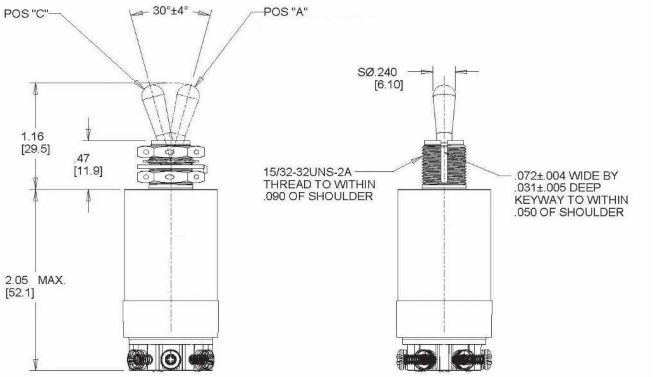
T6 DRAWINGS



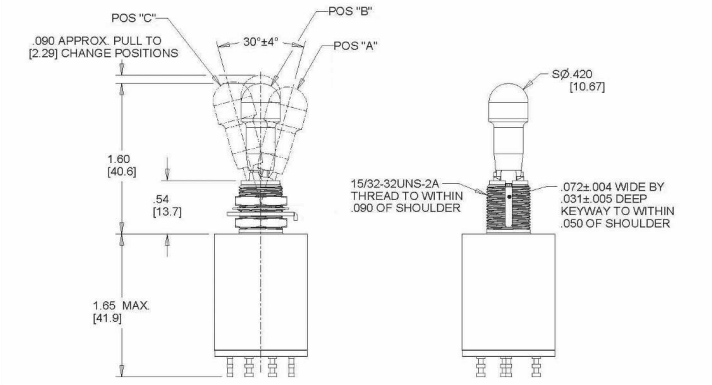
DOUBLE POLE, TWO POSITION BAT HANDLE WITH SOLDER TURRETS



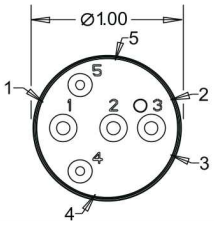
DOUBLE POLE, THREE POSITION BAT HANDLE WITH SOLDER TURRETS



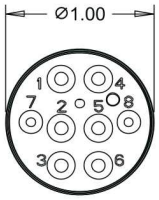
SINGLE POLE, TWO POSITION BAT HANDLE WITH SCREW TURRETS



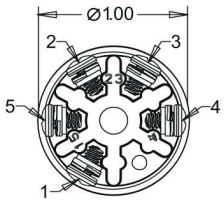
DOUBLE POLE, THREE POSITION LEVER LOCKOUT WITH SOLDER TURRETS



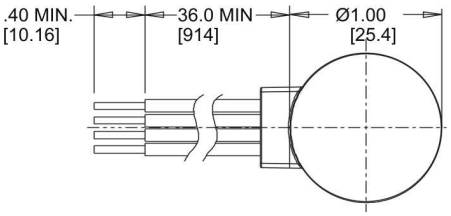
SINGLE POLE, SOLDER TURRETS



DOUBLE POLE, SOLDER TURRETS



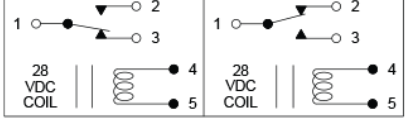
SINGLE POLE, SCREW TURRETS



WIRE LEADS

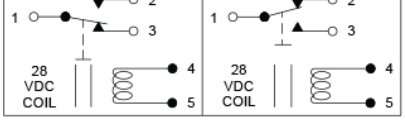
SCHEMATICS

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



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 B	POSITION C
KEYWAY	CENTER	OPPOSITE KEYWAY
ELECTRICALLY MAINTAINED	MECHANICALLY MAINTAINED	ELECTRICALLY MAINTAINED

DOUBLE POLE, 3 POSITION SCHEMATICS