MIL & COMMERCIAL TOGGLE SWITCHES

ENVIRONMENTALLY SEALED TOGGLE

The T9 Toggle Switch is an ideal switch for demanding applications, compliant to MIL-DTL-3950, this high performance switch is a logical choice for use in environments where sealing and resistance to shock and vibration are required. The T9 is particularly suitable for applications in off-highway, aviation, commercial and industrial equipment. This compact, environmentally sealed switch is available in single and double pole configurations with a lever lockout option. Circuitry configurations include two or three positions with many combinations of OFF/ON in momentary and maintained action including ON-ON-ON.

Quality Features:

- Qualified to MIL-DTL-3950
- Sealed per IP68 or per MIL-DTL-3950
- Electrical life 20,000 cycles full load
- Mechanical life 40,000 cycles
- Lever lockout option available
- Temperature range -65°C +71°C
- UL, CSA, and CE approvals (pending)
- Maintained and momentary toggle action
- Optional panel seal

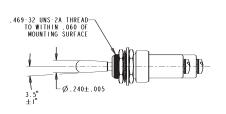


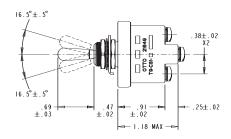
SERIES LOCKOUT SUFFIX TYPE A, B, D, E, F, G, H, J, K, L, M, N, P (SEE CHART) M. MIL QUALIFIED TO MIL-S-3950 C. COMMERCIAL VERSION CIRCUIT ID 21 THRU 33 (SEE CHART) 1 OR 2 POLE CONTACTS -01 THRU 06 (SEE CHART) 2 POLE ONLY S. STANDARD (SILVER PLATING) L. LOW LEVEL (GOLD PLATING) AVAII ABI E IN COMMERCIAL ONLY POLES -1. SINGLE POLE 2. DOUBLE POLE *Optional panel seal P/N 710196

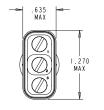
T9 Part Number Code

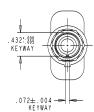
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Single Pole



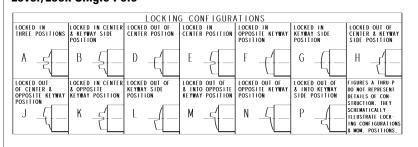


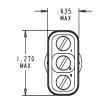


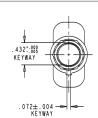


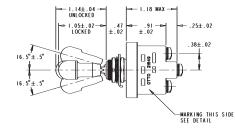
OTTO PART NO.			CIRCUIT BY	ELECTRICAL RATINGS – SEA LEVEL & 65,000 FT								
	MILITARY NO.	DASH NO.	KEYWAY	CENTER	OPP. KEYWAY		28 VDC		II5 VAC			
	NO.		I - 2	CENTER	2 - 3	LAMP	RESISTIVE	INDUCTIVE	LAMP	RESISTIVE	INDUCTIVE	
T9-MSI-		21	ON	OF F	ON	5	20	15	3	15	10	
	MS24523-	22	OFF	NONE	ON							
		23	ON	NONE	ON							
		24	NONE	OF F	ON							
		25	NONE	MOM OFF	ON		4 15	10	2	15	7	
		26	MOM ON	NONE	ON							
		27	MOM ON	OFF	MOM ON	4						
		28	MOM ON	OFF	NONE							
		29	MOM OFF	NONE	ON							
		30	MOM ON	NONE	OFF							
		31	MOM ON	OFF	ON							
0110	MILITARY	DASH	KLAMYA	CENTER	OPP. KEYWAY		28 VDC		II5 VAC		•	
PART NO.	NO.	NO.	KEYWAY	1 - 2	2 - 3	LAMP	RESISTIVE	INDUCTIVE	LAMP	RESISTIVE	INDUCTIVE	
TA MCI	MCDAEDO	32	NONE	ON	MOM ON	4	15	10	2	15	7	
T9-MSI-	MS24523-	33	NONE	ON	ON	5	20	15	3	15	10	

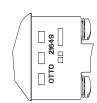
Lever/Lock Single Pole



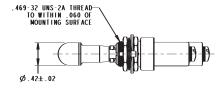








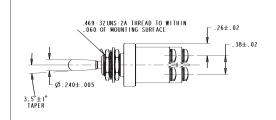


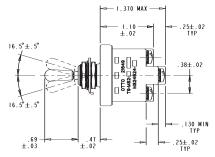


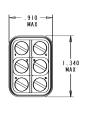
OTTO BASE PART NO.	MILITARY NO.			CIRCUIT BY TOGGLE LEVER POSITION				ELECTRICAL RATINGS - SEA LEVEL & 65,000 FT					
		DASH	AVAILABLE	KEYWAY I-2				28 VDC		II5 VAC			
		NO.	LOCKOUTS (SEE CHART)		CENTER	OPP. KEYWAY 2-3	LAMP	RESISTIVE	INDUCTIVE	LAMP	RESISTIVE	INDUCTIVE	
			1022 01111117										
		21	ALL	ON	OFF	ON	5	20		3	15	10	
		22	DFG	OFF	NONE	ON			15				
	MS24658-	23	DFG	ON	NONE	ON							
		24	EFKM	NONE	OFF	ON							
		25	F	NONE	OFF (M)	ON		15	10	2	15		
T9-MSI-		26	F	MOM ON	NONE	ON						7	
		21	ELN	MOM ON	OFF	MOM ON							
		28	E	MOM ON	OFF	NONE							
		29	F	MOM OFF	NONE	ON							
		30	F	MOM ON	NONE	OF F							
		31	EFKLMN	MOM ON	OFF	ON							
0110	MILITARY	DASH	AVAILABLE	WE VIII I	CENTER	OPP. KEYWAY		28 VDC		115 VAC			
BASE NO.	NO.	NO.	LOCKOUT	KEYWAY	1-2	2-3	LAMP	RESISTIVE	INDUCTIVE	LAMP	RESISTIVE	INDUCTIVE	
T9-MS1-	MS24658-	32	E	NONE	ON	MOM ON	4	15	10	2	15	7	
1a-W21-		33	EFKM	NONE	ON	ON	5	20	15	3	15	10	

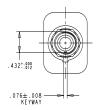
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Double Pole





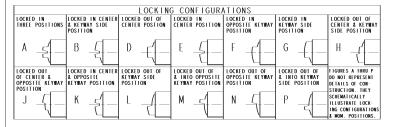


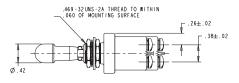


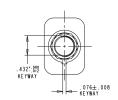
0770 0405	MILITARY STANDARD		CIRC	CUIT CONFIGURA	TION	ELECTRICAL CURRENT RATINGS (AMPS) - SEA LEVEL & 65,000 F						
OTTO BASE PART NO.		DASH NO.	KEYWAY	CENTER	OPP. KEYWAY	28 VDC			115 V/	II5 VAC, 60Hz & 400Hz		
TART NO.			1-2 / 4-5	CENTER	2-3 / 5-6	LAMP	RESISTIVE	INDUCTIVE	LAMP	RESISTIVE	INDUCTIVE	
	MS24524-	21	ON	OF F	ON		20	15	4	15	10	
		22	OFF	NONE	ON	7						
		23	ON	NONE	ON							
		24	NONE	OF F	ON							
		25	NONE	MOM OFF	ON		18	10	2	11	8	
T9-MS2-		26	MOM ON	NONE	ON							
		27	MOM ON	OFF	MOM ON	5						
		28	MOM ON	OFF	NONE							
		29	MOM OFF	NONE	ON							
		30	MOM ON	NONE	OFF							
		31	MOM ON	OFF	ON							
OTTO BASE	MILITARY	DASH	KEYWAY	CENTER	OPP. KEYWAY	28 VDC			II5 VAC			
PART NO.	STANDARD	NO.	KETWAT	1-2 / 4-5	2-3 / 5-6	LAMP	RESISTIVE	INDUCTIVE	LAMP	RESISTIVE	INDUCTIVE	
T9-MS2-	MS24524-	32	NONE	ON	MOM ON	5	18	10	2	11	8	
13 M32		33	NONE	ON	ON	7	20	15	4	15	15	



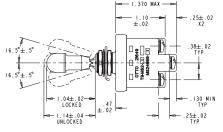
Lever/Lock Double Pole













	MILITARY STANDARD		AVAILABLE	CIRC	ELECTRICAL CURRENT RATINGS (AMPS) - SEA LEVEL & 65,000 FT							
OTTO BASE PART NO.		DASH NO.	LOCKOUTS	KEYWAY 1-2 / 4-5	CENTER	OPP. KEYWAY	28 VDC			115 VAC, 60Hz & 400Hz		
		III.	(SEE CHART)			2-3 / 5-6	LAMP	RESISTIVE	INDUCTIVE	LAMP	RESISTIVE	INDUCTIVE
T9-MS2-		21	ALL	ON	OF F	ON	5	20	15	2	15	8
		22	D,F,G	OF F	NONE	ON						
	MS24659-	23	D,F,G	ON	NONE	ON						
		24	E,F,K,M	NONE	OF F	ON						
		25	F	NONE	MOM OFF	ON						
		26	F	MOM ON	NONE	ON						
		27	E,L,N	MOM ON	OF F	MOM ON						
		28	E	MOM ON	OF F	NONE						
		29	F	MOM OFF	NONE	ON						
		30	F !	MOM ON	NONE	OF F						
		31	E,F,K,L,M,N	MOM ON	OF F	ON						
OTTO BASE	MILLTARY	DASH	E	KEYWAY	CENTER	OPP. KEYWAY		28 VDC		115 VAC		
PART NO.	STANDARD	NO.	r.	REIMAI	1-2 / 4-5	2-3 / 5-6	L AMP	RESISTIVE	INDUCTIVE	LAMP	RESISTIVE	INDUCTIVE
T9-MS2-	MS24659-	32	E	NONE	ON	MOM ON	5	18	10	2	Ш	8
		33	E,F,K,M	NONE	ON	ON	7	20	15	4	15	15

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

OTTO:

T9-MS2-29F T9-MS1-21B T9-MS1-21D T9-MS1-21H T9-MS1-21J T9-MS1-21K T9-MS1-21P T9-MS1-24M T9-MS1-25F T9-MS1-31L T9-MS1-33F T9-MS1-33M T9-MS2-21B T9-MS2-21F T9-MS2-21G T9-MS2-21P T9-MS2-24E T9-MS2-24F T9-MS2-24M T9-MS2-25F T9-MS2-28E T9-MS2-31L T9-MS2-31N T9-MS2-33E T9-MS2-33F T9-MS2-33M