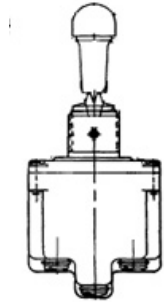




2TL1-7E



Actual product appearance may vary.

TL Series Toggle Switch, 2 pole, 3 position, Screw terminal, Locking Lever, Military Part Number MS24659-27E

Features

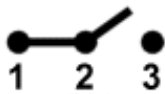

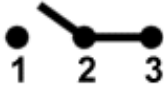



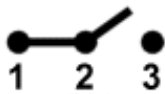

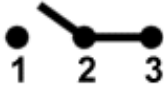



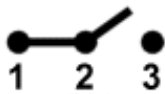

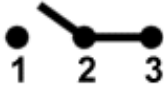




- Qualified to MIL-S-3950
- Environment-proof sealing
- 1,2, and 4 pole circuitry
- Standard and pull-to-unlock levers
- 2 and 3 position, maintained and momentary toggle action
- Temperature range: -85°F to +160°F
- Completely sealed switching chamber
- Step-design case provides added space between terminals to help prevent shorting
- UL recognized, CSA certified
- CE approved

Potential Applications

- Industrial machinery and equipment
- Military and commercial aviation
- Construction equipment
- Test instruments
- Agricultural machinery
- Process control
- Medical instrumentation

Description

MICRO SWITCH™ TL Series toggle switches have high strength, temperature resistant, non-tracking case material and silver cadmium oxide contacts. Pull-to-Unlock toggle levers prevent accidental operation; the lever must be pulled approx. 2,3 mm (0.09 inches) to change positions.

Product Specifications													
Circuitry/ Operating action	<table border="0" style="width: 100%; text-align: center;"> <tr> <td style="width: 33%;">Keyway Momentary Position</td> <td style="width: 33%;">Center Position</td> <td style="width: 33%;">Opposite Keyway Momentary Position</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>ON</td> <td>OFF</td> <td>ON</td> </tr> </table>	Keyway Momentary Position	Center Position	Opposite Keyway Momentary Position							ON	OFF	ON
Keyway Momentary Position	Center Position	Opposite Keyway Momentary Position											
													
													
ON	OFF	ON											
Product Type	MICRO SWITCH™ Toggle Switch												
Lever Lock	 <p>Locked in center position</p>												
Ampere/ Voltage Range (Resistive Load)	0.75 A at 115 Vdc, 0.5 A to 18 A at 0.5 Vdc to 28 Vdc, 0.5 A to 10 A at 0.5 Vac to 277 Vac, 0.5 A at 250 Vdc												
Circuitry	DPDT												
Action	3 position												
Mounting	Bushing 15/32 in												
Termination	Screw												
Military Part Number	MS24659-27E												
Lever Type	Locking												
UL/CSA Rating Code	L192: 10 A-125, 250, 277 Vac; 1/4 Hp-125 Vac; 1/2 Hp-250, 277 Vac; 3 A-125 Vac "L"												
Comment	Silver cadmium oxide contacts												
Availability	Global												
UNSPSC Code	30211908												
UNSPSC Commodity	30211908 Toggle switches												
Series Name	TL												

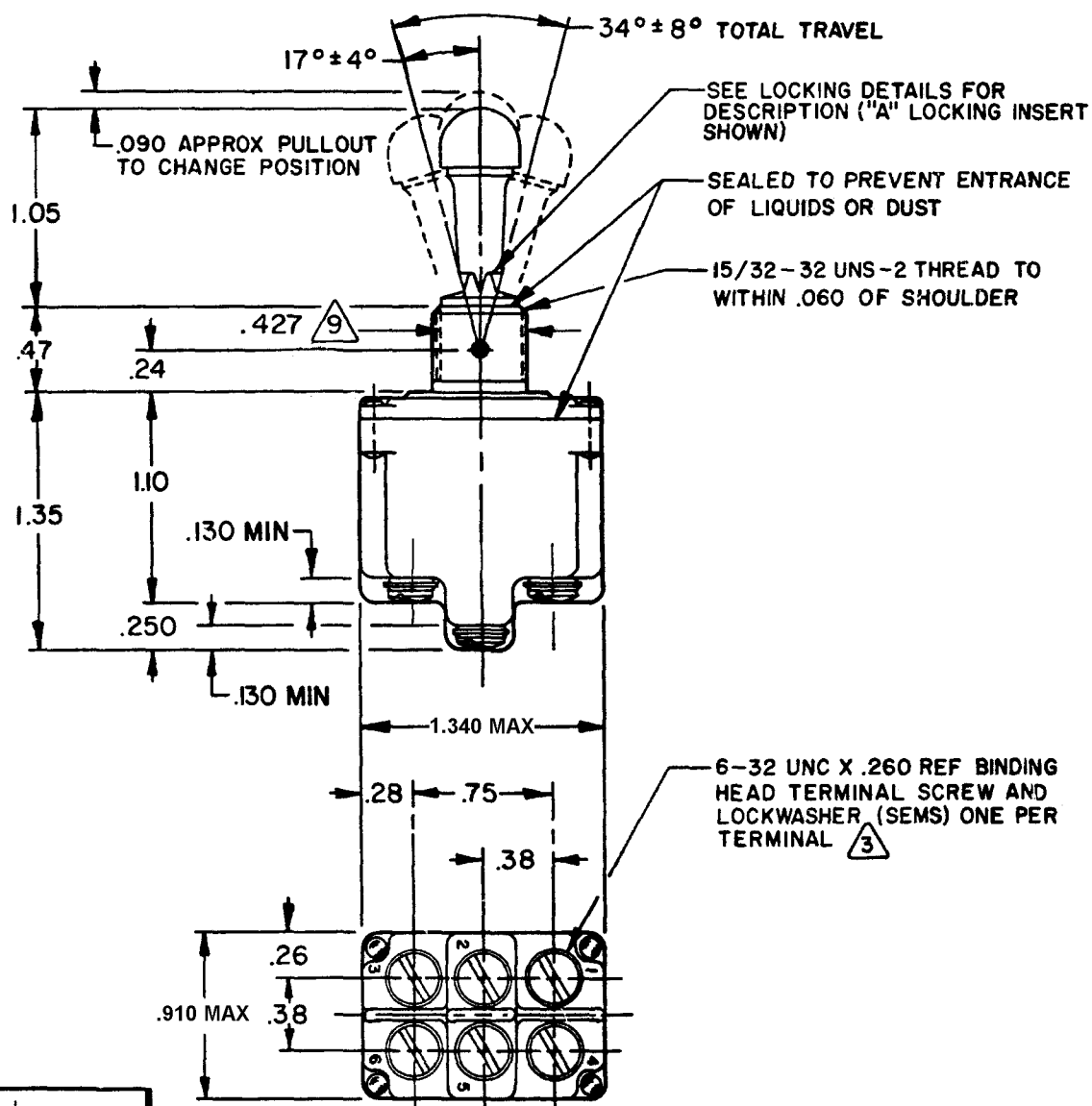
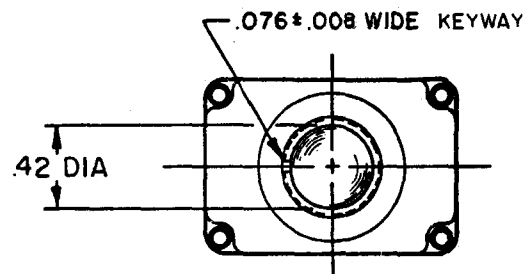
MICRO SWITCH

FREERPORT, ILLINOIS, U.S.A.
A DIVISION OF HONEYWELL
FED. MFG. CODE 91929

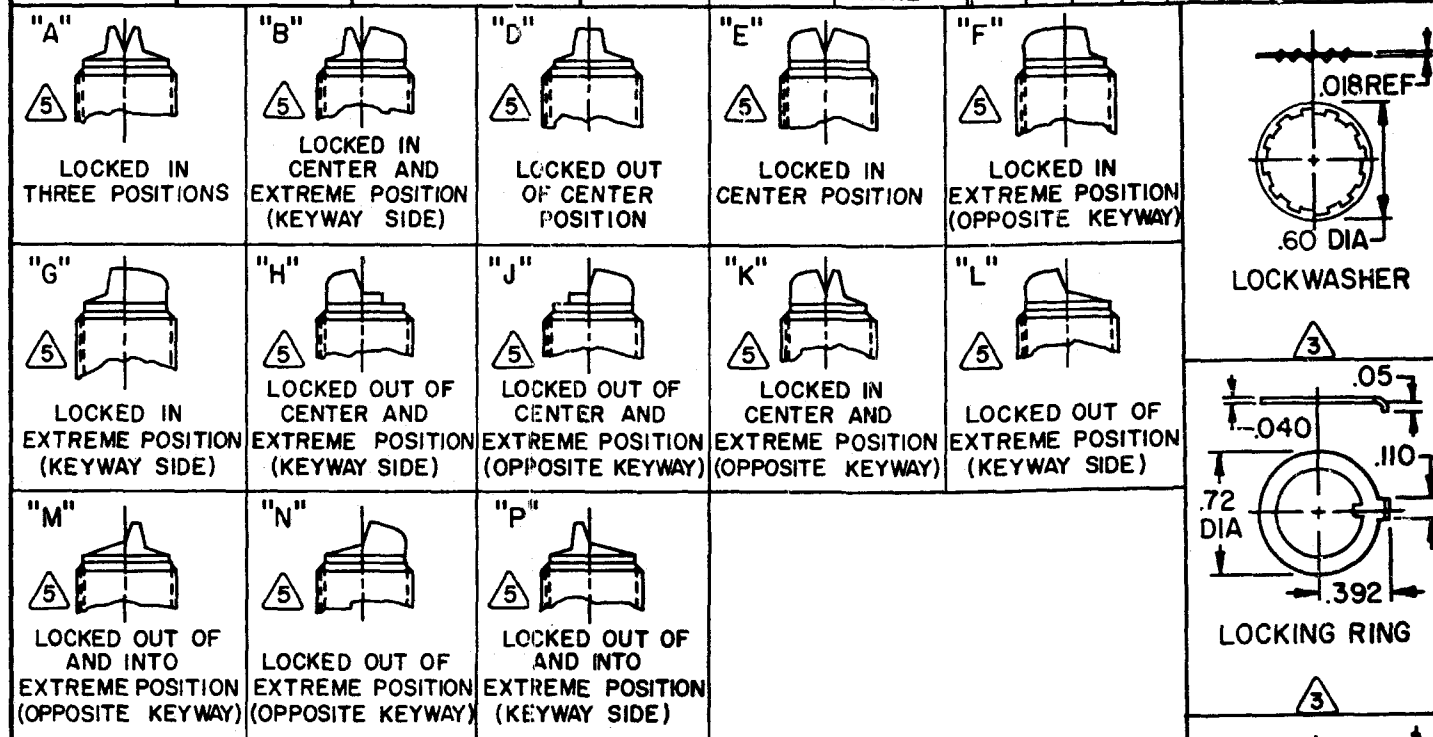
SWITCH-TOGGLE

CATALOG LISTING 2TL1 SERIES CHART 2

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MILITARY STANDARD NUMBER	CATALOG LISTING	AVAILABLE LOCKING COMBINATIONS FOR CONFIGURATION SEE LETTERED DETAILS	CIRCUIT MADE WITH TOGGLE LEVER IN			MILITARY RATING (AMPS)											
			KEYWAY SIDE (1-2, 4-5)	CENTER (1-2, 4-5)	OPPOSITE KEYWAY (2-3, 5-6)	RESISTIVE LOAD		LAMP LOAD		INDUCTIVE LOAD							
						DC VOLTS	AC VOLTS	28 VDC	125 VAC	28 VDC	125 VAC						
24659-21	2TL1-1	A,B,D,E,F,G,H,J,K,L,M,N,P	ON	OFF	ON												
24659-22	2TL1-2	D,F,G	OFF	NONE	ON												
24659-23	2TL1-3	D,F,G	ON	NONE	ON	20	.75	.5	15	6	7	4	15	15	(REF TO L191 FOR UL RATING)		
24659-24	2TL1-21	E,F,K,M	NONE	OFF	ON												
24659-33	2TL1-31	E,F,K,M	NONE	ON	ON												
24659-29	2TL1-4	F	MOM OFF	NONE	ON												
24659-31	2TL1-5	E,F,K,L,M,N	MOM ON	OFF	ON												
24659-30	2TL1-6	F	MOM ON	NONE	OFF												
24659-27	2TL1-7	E,L,N	MOM ON	OFF	MOM ON	18	.75	.5	11	6	5	2	10	8	(REF TO L192 FOR UL RATING)		
24659-26	2TL1-8	F	MOM ON	NONE	ON												
24659-32	2TL1-51	E	NONE	ON	MOM ON												
24659-28	2TL1-61	E	MOM ON	OFF	NONE												



- NOTES**
- SWITCHES ARE CAPABLE OF WITHSTANDING A TEMPERATURE OF 160°F CONTINUOUSLY AT FULL RATED LOAD
 - CIRCUIT DESIGNATION, MICRO SWITCH CATALOG LISTING AND "MS" NUMBER MARKED ON SIDE OF SWITCH
 - FURNISHED UNASSEMBLED
 - FOR TERMINAL COVER SEE MICRO SWITCH CATALOG LISTING 5PA8
 - KEYWAY SHOWN ON LEFT SIDE
 - SUFFIX LETTER MUST BE ADDED FOR DESIRED TYPE OF TOGGLE LOCKING. SEE CHART FOR AVAILABLE LOCKING COMBINATIONS
 - APPLIES ONLY TO "ON" AND "MOMENTARY ON" POSITIONS
 - THESE SWITCHES ARE QUALIFIED UNDER MIL-S-3950
 - FROM BOTTOM OF KEYWAY TO MAJOR DIA. OF 15/32 THREAD

CATALOG LISTING
M 2TL1 SERIES CHART 2
 PAGE 1 OF 1
 ISSUE 32
 REVISIONS:
 A C035421
 L S D 29 JUN 77
 B C0 47 513
 S L B 24 MAR 80
 C C049070
 J A P 18 MAY 81
 D C050496
 J A P 15 NOV 81
 E C0 52452
 W J M 2 DEC 82
 F C056074
 G J W 16 NOV 84
 S C0 78047
 S A D 20 AUG 94
 H C0 94432
 C S I 23 NOV 99
 J 0003011
 K R B 06 FEB 04
 SCALE FULL
 DO NOT SCALE PRINT
 UNLESS OTHERWISE NOTED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 ONE PLACE (.0)
 TWO PLACE (.00)
 THREE PLACE (.000)
 ANGLES
 WEIGHT .15 LB APPROX
 15A-125, 250 OR 277 VAC
 1/2 HP-125VAC; 1HP-250, 277VAC
 5A-125VAC "L" CODE L191
 10A-125, 250, 277 VAC
 1/4HP-125VAC; 1/2HP-250, 277VAC
 3A-125VAC "L" CODE L192
 FORMTEK
 DRAWN
 L S D 29 JUN 77
 CHECK GCH 7-7-77
 CHECK MDM 06 FEB 04
 RELEASE NO.