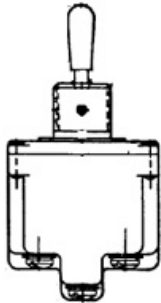




4TL1-12



Actual product appearance may vary.

TL Series Toggle Switch, 4 pole, 3 position, Screw terminal, Standard Lever

Features

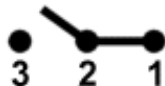
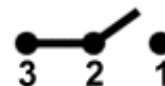
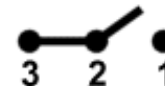
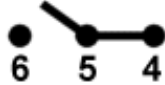
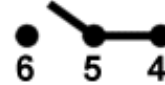
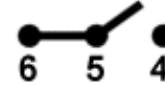
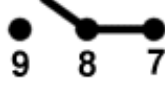
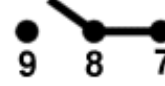
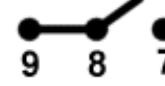
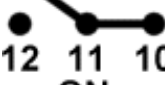
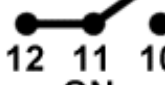
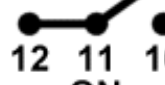
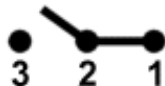
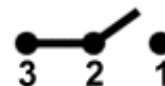
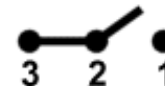
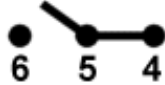
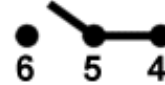
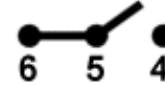
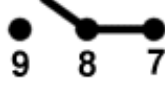
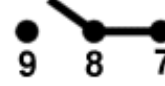
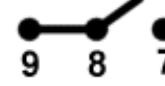
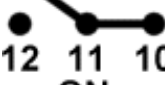
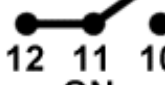
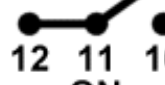
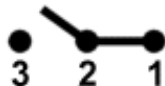
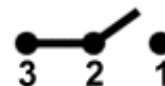
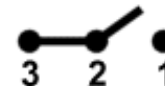
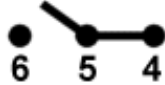
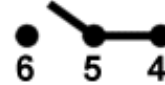
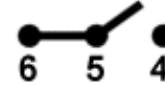
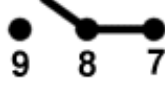
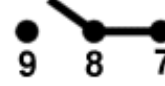
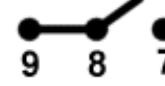
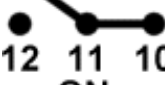
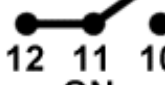
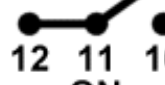
- Environment-proof sealing
- 1,2, and 4 pole circuitry
- Standard and pull-to-unlock levers
- 2 and 3 position, maintained and momentary toggle action
- Temperature range: -85°F to +160°F
- Completely sealed switching chamber
- Step-design case provides added space between terminals to help prevent 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"> <thead> <tr> <th>Keyway Maintained Position</th> <th>Center Maintained Position</th> <th>Opposite Maintained Keyway Position</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">ON</td> <td style="text-align: center;">ON</td> <td style="text-align: center;">ON</td> </tr> </tbody> </table>	Keyway Maintained Position	Center Maintained Position	Opposite Maintained Keyway Position														ON	ON	ON
Keyway Maintained Position	Center Maintained Position	Opposite Maintained Keyway Position																		
																				
																				
																				
																				
	ON	ON	ON																	
Product Type	MICRO SWITCH™ Toggle Switch																			
Ampere/ Voltage Range (Resistive Load)	0.5 A to 20 A at 0.5 Vdc to 28 Vdc, 0.75 A at 115 Vdc, 0.5 A to 15 A at 0.5 Vac to 277 Vac, 0.5 A at 250 Vdc																			
Circuitry	4PDT																			
Action	3 position																			
Mounting	Bushing 15/32 in																			
Termination	Screw																			
Lever Type	Standard																			
UL/CSA Rating Code	L191: 15 A-125, 250, 277 Vac; 1/2 Hp-125 Vac; 1 Hp-250, 277 Vac; 5 A-120 Vac "L"																			
Comment	Silver cadmium oxide contacts																			
Availability	Global																			
UNSPSC Code	30211908																			
UNSPSC Commodity	30211908 Toggle switches																			
Series Name	TL																			

MICRO SWITCH

FREEPORT ILLINOIS U.S.A.
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

SWITCH-BASIC

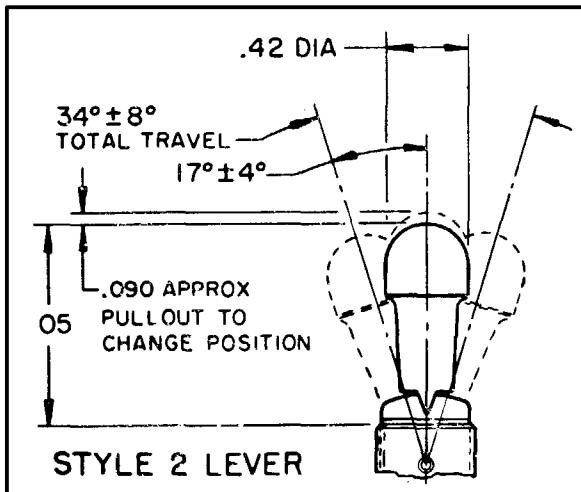
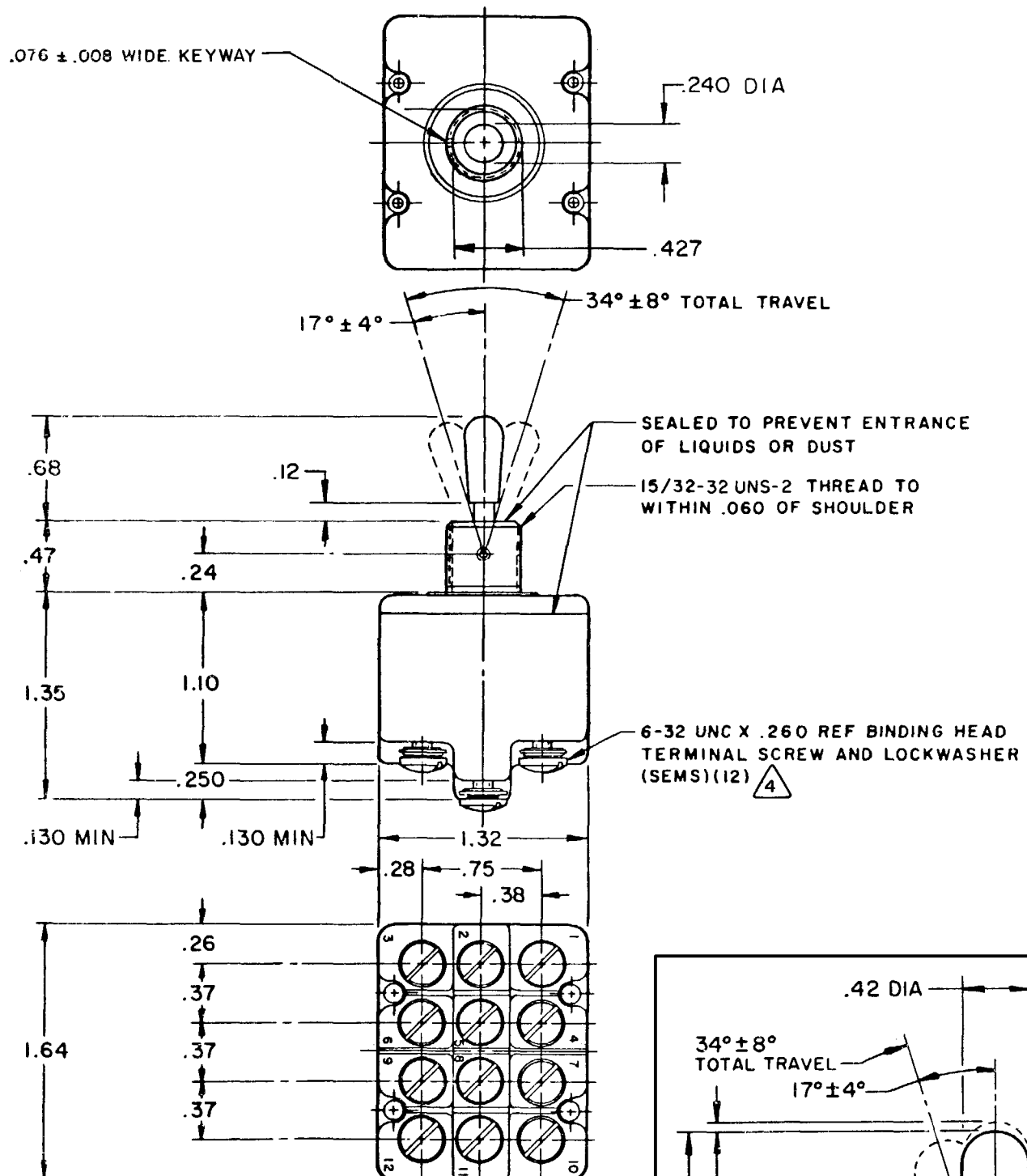
CATALOG LISTING

4TL1-12 SERIES

CHART 1

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF MINNEAPOLIS-HONEYWELL REGULATOR CO. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.

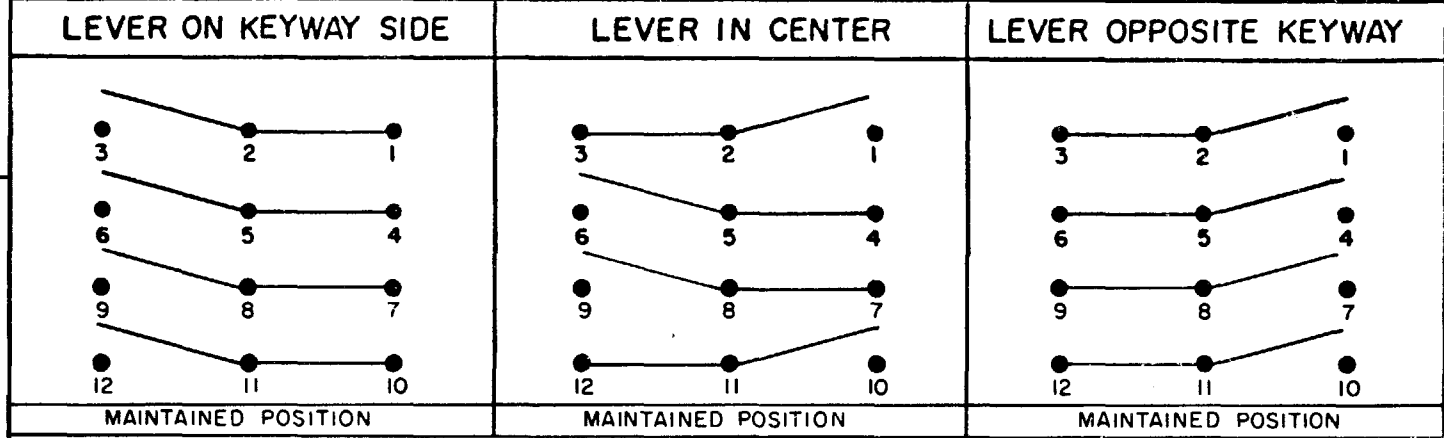
4TL1-12 SERIES CHART 1
 PAGE 1 OF 1
 DRAWING NUMBER M
 ISSUE 9
 REVISIONS
 A CO-81150 J A K 20 JUN 95
 B CO 94440 G R T 23 NOV 99
 DRAWN FORMTEK
 MJB 16 SEPT 71
 CHECK L S D 20 SEPT 71
 CHECK E F B 20 SEPT 71
 CHECK 71
 RELEASE NO. PR-2093



L191 15A 125, 250, 277 VAC
 1/2HP 125 VAC
 1HP 250, 277 VAC
 5A 125 VAC "L"



CAT. LIST.	AVAILABLE LOCKING COMBINATIONS FOR CONFIGURATION SEE LETTERED DETAILS	STYLE NO.	MILITARY RATING (AMPS)										MS NUMBER				
			RESISTIVE LOAD DC VOLTS		AC VOLTS		LAMP LOAD		INDUCTIVE LOAD		CONTINUOUS						
			28	125	250	125	250	28 VDC	125 VAC	28 VDC		125 VAC					
4TL1-12	NONE	1											27406-1				
△ 4TL1-12	A,B, D,E,F,G,H,J,K,L,M,N,P	2	20	.75	.5	15	6	5	4	12	15		27409-1 △				
"A"		LOCKED IN THREE POSITIONS	"B"		LOCKED IN CENTER AND EXTREME POSITION (KEYWAY SIDE)	"D"		LOCKED OUT OF CENTER POSITION	"E"		LOCKED IN CENTER POSITION	"F"		LOCKED IN EXTREME POSITION (OPPOSITE KEYWAY)	"G"		LOCKED IN EXTREME POSITION (KEYWAY SIDE)
"H"		LOCKED OUT OF CENTER AND EXTREME POSITION (KEYWAY SIDE)	"J"		LOCKED OUT OF CENTER AND EXTREME POSITION (OPPOSITE KEYWAY)	"K"		LOCKED IN CENTER AND EXTREME POSITION (OPPOSITE KEYWAY)	"L"		LOCKED OUT OF EXTREME POSITION (KEYWAY SIDE)	"M"		LOCKED OUT OF AND INTO EXTREME POSITION (OPPOSITE KEYWAY)	"N"		LOCKED OUT OF EXTREME POSITION (OPPOSITE KEYWAY)
"P"		LOCKED OUT OF AND INTO EXTREME POSITION (KEYWAY SIDE)	 .47 DIA .018 REF .60 DIA LOCKWASHER 4		 .05 .110 .392 .040 .72 DIA LOCKING RING 4		 15/32-32 UNS-2 THREAD .078 .56 HEX NUT (2) 4										



NOTES
 1 - SWITCHES ARE CAPABLE OF WITHSTANDING A TEMPERATURE OF 160°F CONTINUOUSLY AT FULL RATED LOAD
 2 - CIRCUIT DESIGNATION AND MICRO SWITCH CATALOG LISTING MARKED ON SIDE OF SWITCH
 △ 3 KEYWAY SHOWN ON LEFT SIDE
 △ 4 FURNISHED UNASSEMBLED
 5 - FOR TERMINAL COVER SEE MICRO SWITCH CATALOG LISTING 5PA9
 △ 6 SUFFIX LETTER MUST BE ADDED FOR DESIRED TYPE TOGGLE LOCKING. SEE CHART FOR AVAILABLE LOCKING COMBINATIONS

SCALE FULL
 DO NOT SCALE PRINT
 UNLESS OTHERWISE NOTED
 DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
 ONE PLACE (.01) ± .030
 TWO PLACE (.00) ± .015
 THREE PLACE (.000) ± .005
 ANGLES
 WEIGHT