MICRO SWITCH
FREEPORT, ILLINOIS, U.S.A.
A DIVISION OF HONEYWELL
FED. MFG. CODE 91929

SWITCH-TOGGLE

CATALOG LISTING
102TL1 SERIES
CHART 2

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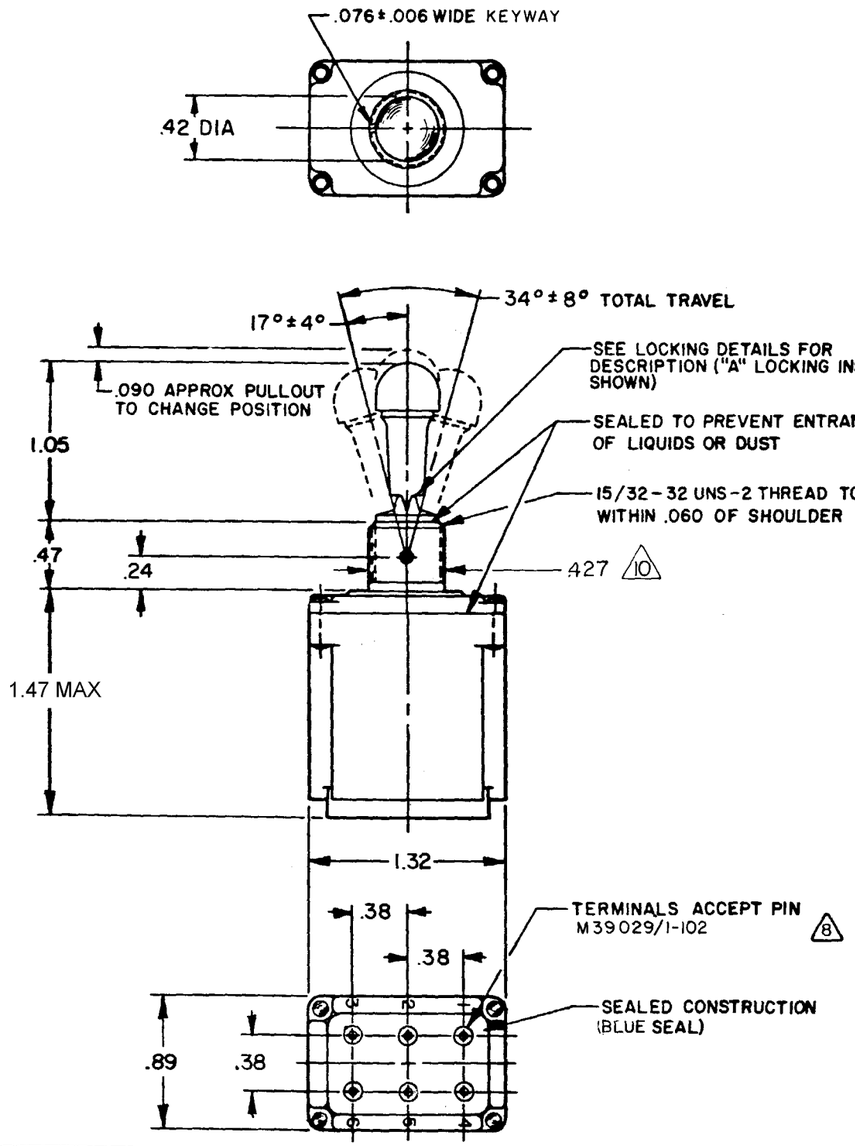


MILITARY STANDARD NUMBER (6)	CATALOG LISTING (6)	AVAILABLE LOCKING COMBINATIONS FOR CONFIGURATION SEE LETTERED DETAILS	CIRCUIT MADE (7) WITH TOGGLE LEVER IN KEYWAY SIDE (1-2, 4-5)	CENTER (1-2, 4-5)	OPPOSITE KEYWAY (2-3, 5-6)	CURRENT CAPACITY (AMPS) RESISTIVE LOAD DC VOLTS 28	125	250	AC VOLTS 125	250	LAMP LOAD 28 VDC	125 VAC	INDUCTIVE LOAD 28 VDC	125 VAC
MS27782-21	102TL1-1	A,B,D,E,F,G,H,J,K,L,M,N,P	ON	OFF	ON	20	.75	.5	15	6	7	4	15	15
MS27782-22	102TL1-2	D, F, G	OFF	NONE	ON									
MS27782-23	102TL1-3	D, F, G	ON	NONE	ON									
MS27782-24	102TL1-21	E, F, K, M	NONE	OFF	ON									
MS27782-33	102TL1-31	E, F, K, M	NONE	ON	ON									
MS27782-29	102TL1-4	F	MOM OFF	NONE	ON	18	.75	.5	11	6	5	2	10	8
MS27782-31	102TL1-5	E, F, K, L, M, N	MOM ON	OFF	ON									
MS27782-30	102TL1-6	F	MOM ON	NONE	OFF									
MS27782-27	102TL1-7	E, L, N	MOM ON	OFF	MOM ON									
MS27782-26	102TL1-8	F	MOM ON	NONE	ON									
MS27782-32	102TL1-51	E	NONE	ON	MOM ON									
MS27782-28	102TL1-61	E	MOM ON	OFF	NONE									

"A" (5) LOCKED IN THREE POSITIONS

"B" (5) LOCKED IN CENTER AND EXTREME POSITION (KEYWAY SIDE)

"D" (5) LOCKED OUT OF CENTER POSITION

"E" (5) LOCKED IN CENTER POSITION

"F" (5) LOCKED IN EXTREME POSITION (OPPOSITE KEYWAY)

"G" (5) LOCKED IN EXTREME POSITION (KEYWAY SIDE)

"H" (5) LOCKED OUT OF CENTER AND EXTREME POSITION (KEYWAY SIDE)

"J" (5) LOCKED OUT OF CENTER AND EXTREME POSITION (OPPOSITE KEYWAY)

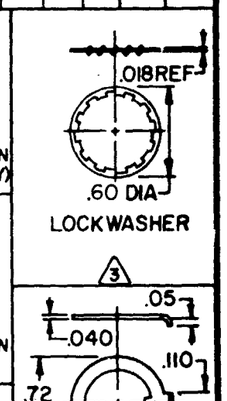
"K" (5) LOCKED IN CENTER AND EXTREME POSITION (OPPOSITE KEYWAY)

"L" (5) LOCKED OUT OF EXTREME POSITION (KEYWAY SIDE)

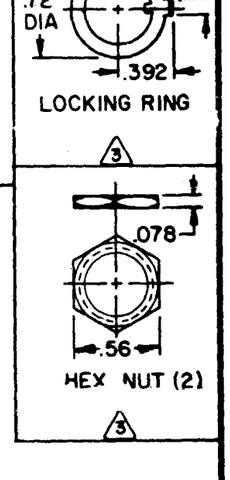
"M" (5) LOCKED OUT OF AND INTO EXTREME POSITION (OPPOSITE KEYWAY)

"N" (5) LOCKED OUT OF EXTREME POSITION (OPPOSITE KEYWAY)

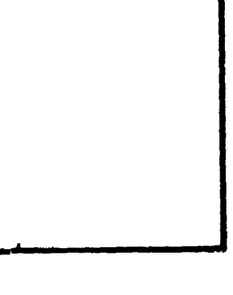
"P" (5) LOCKED OUT OF AND INTO EXTREME POSITION (KEYWAY SIDE)



LOCKWASHER (3)



LOCKING RING (3)



HEX NUT (2) (3)

NOTES
1 - SWITCHES ARE CAPABLE OF WITHSTANDING A TEMPERATURE OF 160°F CONTINUOUSLY AT FULL RATED LOAD
2 - CIRCUIT DESIGNATION, MICRO SWITCH CATALOG LISTING, DATE CODE AND MS NUMBER IDENTIFIED ON SIDE OF SWITCH
(3) FURNISHED UNASSEMBLED
4 - THESE SWITCHES ARE QUALIFIED UNDER MIL-S-3950
(5) KEYWAY SHOWN ON LEFT SIDE
(6) SUFFIX LETTER MUST BE ADDED FOR DESIRED TYPE OF TOGGLE LOCKING. SEE CHART FOR AVAILABLE LOCKING COMBINATIONS
(7) APPLIES ONLY TO "ON" AND "MOM ON" POSITIONS
(8) THE SEALING GROMMET SHALL SEAL ON A SMOOTH WIRE INSULATION OF .068 TO .103 DIAMETERS (14-16 GAGE)
9 UNUSED TERMINAL HOLES MAY BE SEALED WITH PLUGS M83723/28-16
(10) FROM BOTTOM OF KEYWAY TO MAJOR DIA. OF 15/32 THREAD

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REVISIONS

A	CO 38392	T M M 14 FEB 78	REPLACES			
B	CO 49070	G R T 18 MAY 81	RELEASE NO.			
C	CO 50496	T S K 16 NOV 81	CHECK	1 APR 78	DRAWN	DEK
D	CO56074	G J W 20 NOV 84	CHECK			
E	CO57478	T A D 12 JUL 85	21 APR 78			CEB
F	CO92297	J A K 16 FEB 98	CHECK			
G	CO-93999	J J A 7 JULY 99				
H	201413	C S L 4 OCT 00				

RASTER DRAWN T M M 14 FEB 78 CHECK

SCALE FULL
DO NOT SCALE PRINT
UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:

ONE PLACE	(.0)	± .030
TWO PLACE	(.00)	± .015
THREE PLACE	(.000)	± .005
ANGLES		± 1°

WEIGHT .135 LBS MAX