

104TL1 SERIES
CHART 2

M
DRAWING
NUMBER

X 8
7

ISSUE
8

REVISIONS

A	C037951
7	J A L DEC 76
B	MADE ETS
15	J A L MAR 77
C	CO 50496
16	TSK NOV 81
D	C056074
20	G J W NOV 84
E	C057478
12	A D JUL 85
F	C058981
1	J A S MAR 86

GLH 17 JAN 74

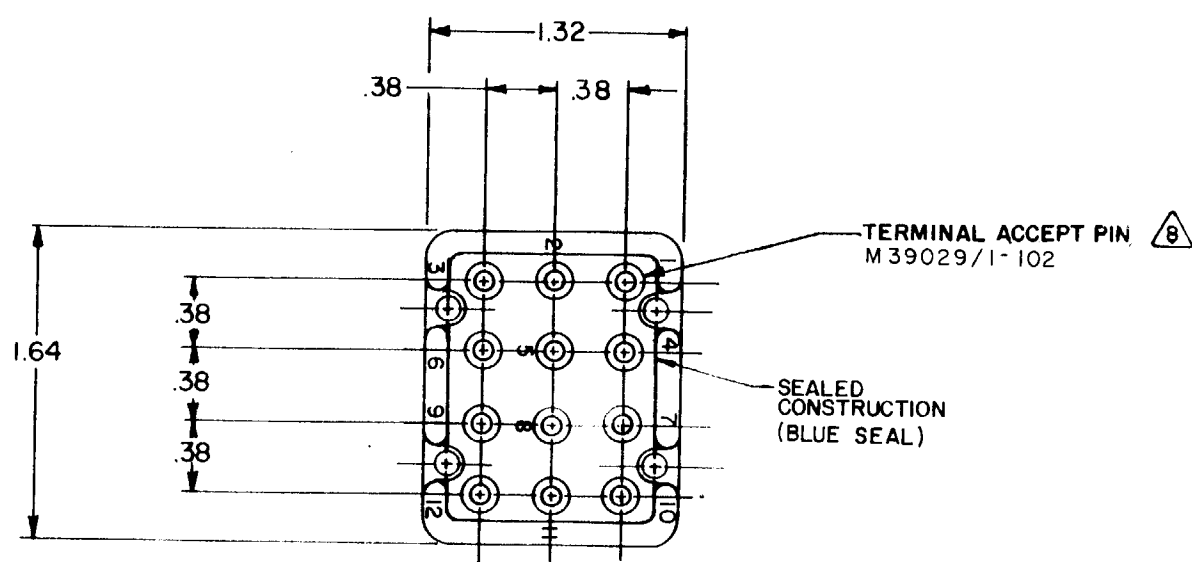
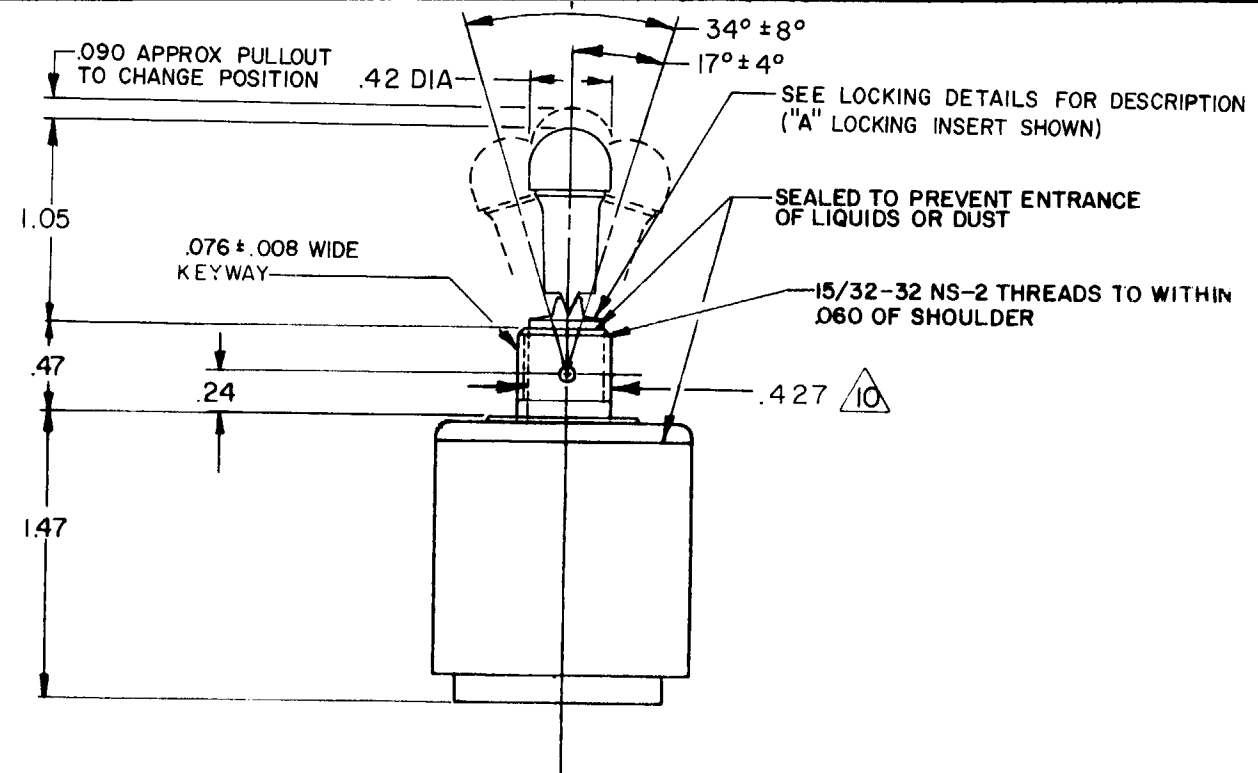
0-50378-2 A
DRAWN

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

SWITCH-TOGGLE

CATALOG LISTING
104TL1 SERIES
CHART 2

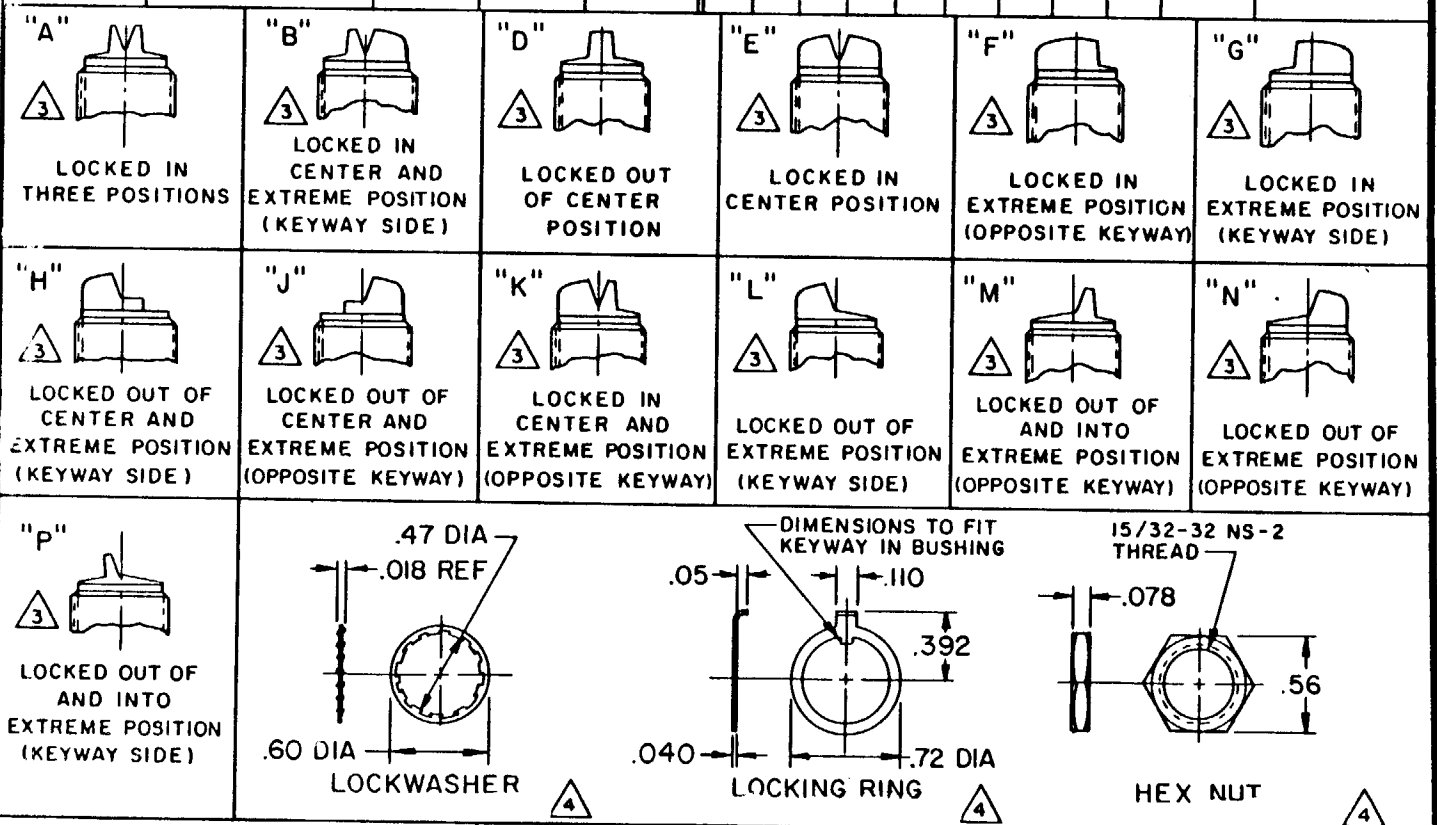
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.



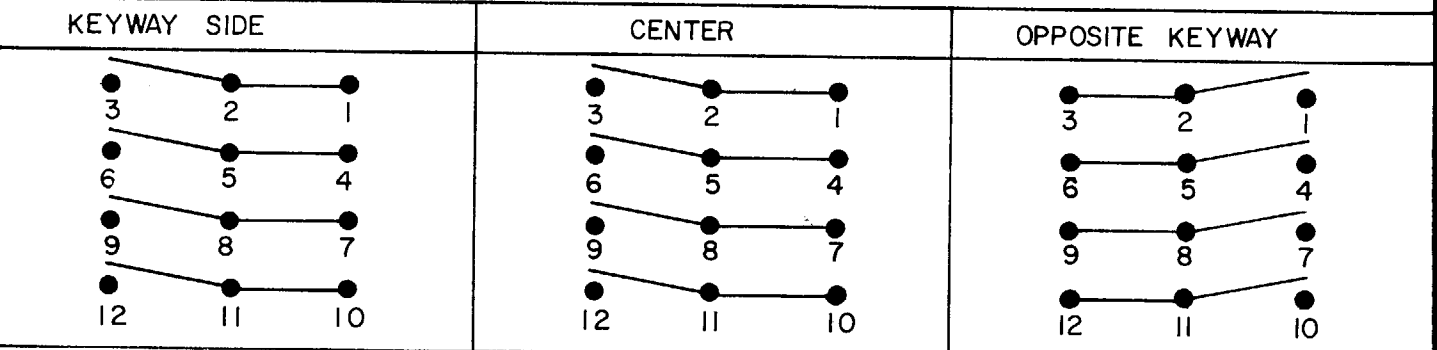
- NOTES-
- 1 - SWITCHES ARE CAPABLE OF WITHSTANDING A TEMPERATURE OF 160° F CONTINUOUSLY AT FULL RATED LOAD
 - 2 - CIRCUIT DESIGNATION, MICRO SWITCH CATALOG LISTING, DATE CODE AND "MS" NUMBER STAMPED ON SIDES OF SWITCH
 - 3 - KEYWAY SHOWN ON LEFT SIDE
 - 4 - FURNISHED UNASSEMBLED
 - 5 - THESE SWITCHES ARE QUALIFIED UNDER MIL-S-3950
 - 6 - SUFFIX LETTER MUST BE ADDED FOR DESIRED TYPE TOGGLE LOCKING
 - 7 - SEE CHART FOR AVAILABLE LOCKING COMBINATIONS
 - 8 - CIRCUIT DIAGRAMS APPLY ONLY TO "ON" AND "MOM ON" POSITIONS
 - 9 - THE SEALING GROMMET SHALL SEAL ON A SMOOTH WIRE INSULATION OF .068 TO .103 DIAMETERS (14-16 GAGE)
 - 10 - UNUSED TERMINAL HOLES MAY BE SEALED WITH PLUGS M83723-28-16 FROM BOTTOM OF KEYWAY TO MAJOR DIA OF 13/32 THREAD

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 ±
WEIGHT

CAT. LIST. △	AVAILABLE LOCKING COMBINATIONS FOR CONFIGURATION SEE LETTERED DETAILS	CIRCUIT WITH TOGGLE IN			CURRENT CAPACITY (AMPS)										MS NUMBER
		EXTREME POSITION KEYWAY SIDE	CENTER	EXTREME POSITION OPPOSITE KEYWAY	RESISTIVE LOAD					LAMP LOAD		INDUCTIVE LOAD		CONTIN- UOUS	
					DC VOLTS	ACVOLTS									
					30	115	250	115	230	30 VDC	115 VAC	30 VDC	115 VAC		
104TLI-1	A,B,D,E,F,G,H,J,K,L,M,N,P	ON	OFF	ON	20	.75	.5	15	6	5	4	12	15		27783-21
104TLI-2	D, F, G	OFF	NONE	ON											27783-22
104TLI-3	D, F, G	ON	NONE	ON											27783-23
104TLI-21	E, F, K, M	NONE	OFF	ON											27783-24
104TLI-31	E, F, K, M	NONE	ON	ON											27783-33
104TLI-4	F	MOM OFF	NONE	ON	18	.75	.5	11	6	4	2	10	8		27783-29
104TLI-5	E, F, K, L, M, N	MOM ON	OFF	ON											27783-31
104TLI-6	F	MOM ON	NONE	OFF											27783-30
104TLI-7	E, L, N	MOM ON	OFF	MOM ON											27783-27
104TLI-8	F	MOM ON	NONE	ON											27783-26
104TLI-41	F	NONE	MOM OFF	ON											27783-25
104TLI-51	E	NONE	ON	MOM ON											27783-32
104TLI-61	E	MOM ON	OFF	NONE											27783-28



CIRCUIT DIAGRAM



104TL1 SERIES
CHART 2

M
DRAWING
NUMBER

X 8
7

ISSUE
8

REVISIONS

A	C037951
7	J A L DEC 76
B	MADE ETS
15	J A L MAR 77
C	CO 50496
16	TSK NOV 81
D	C056074
20	G J W NOV 84
E	C057478
12	A D JUL 85
F	C058981
1	J A S MAR 86

GLH 17 JAN 74

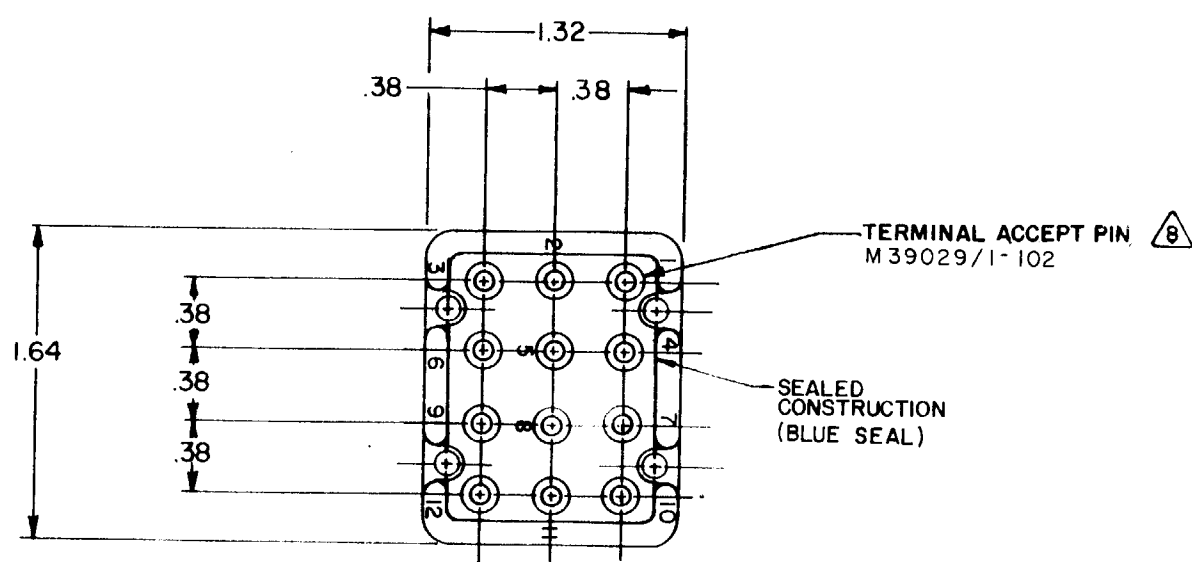
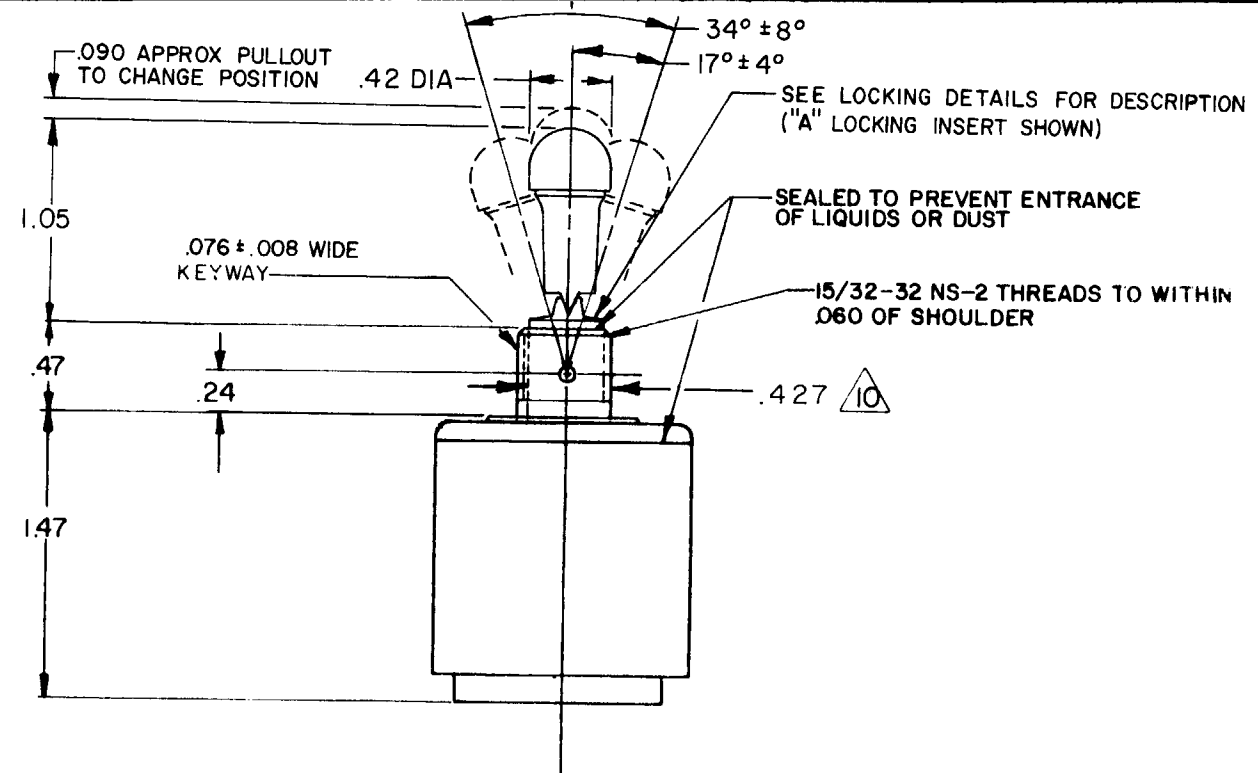
0-50378-2 A
DRAWN

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

SWITCH-TOGGLE

CATALOG LISTING
104TL1 SERIES
CHART 2

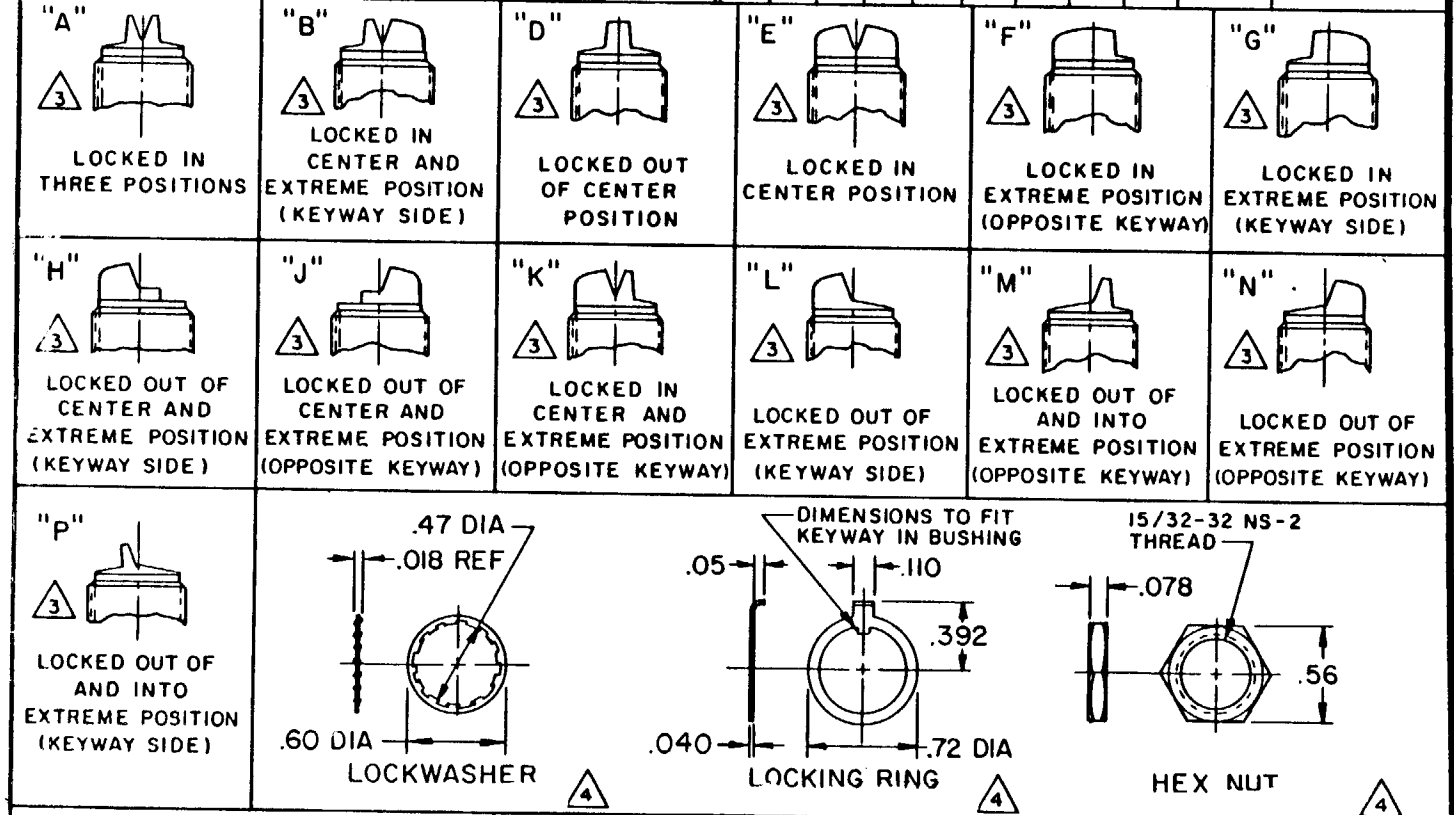
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.



- 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 STAMPED ON SIDES OF SWITCH
 - 3 - KEYWAY SHOWN ON LEFT SIDE
 - 4 - FURNISHED UNASSEMBLED
 - 5 - THESE SWITCHES ARE QUALIFIED UNDER MIL-S-3950
 - 6 - SUFFIX LETTER MUST BE ADDED FOR DESIRED TYPE TOGGLE LOCKING
 - 7 - SEE CHART FOR AVAILABLE LOCKING COMBINATIONS
 - 8 - CIRCUIT DIAGRAMS APPLY ONLY TO "ON" AND "MOM ON" POSITIONS
 - 9 - THE SEALING GROMMET SHALL SEAL ON A SMOOTH WIRE INSULATION OF .068 TO .103 DIAMETERS (14-16 GAGE)
 - 10 - UNUSED TERMINAL HOLES MAY BE SEALED WITH PLUGS M83723-28-16 FROM BOTTOM OF KEYWAY TO MAJOR DIA OF 13/32 THREAD

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 ±
WEIGHT

CAT. LIST.	AVAILABLE LOCKING COMBINATIONS FOR CONFIGURATION SEE LETTERED DETAILS	CIRCUIT WITH TOGGLE IN			CURRENT CAPACITY (AMPS)								MS NUMBER	
		EXTREME POSITION KEYWAY SIDE	CENTER	EXTREME POSITION OPPOSITE KEYWAY	RESISTIVE LOAD			LAMP LOAD		INDUCTIVE LOAD		CONTIN- UOUS		
					DC VOLTS	ACVOLTS								
6					30	115	250	115	230	30 VDC	115 VAC	30 VDC	115 VAC	
104TLI-1	A,B,D,E,F,G,H,J,K,L,M,N,P	ON	OFF	ON	20	.75	.5	15	6	5	4	12	15	27783-21
104TLI-2	D, F, G	OFF	NONE	ON										27783-22
104TLI-3	D, F, G	ON	NONE	ON										27783-23
104TLI-21	E, F, K, M	NONE	OFF	ON										27783-24
104TLI-31	E, F, K, M	NONE	ON	ON										27783-33
104TLI-4	F	MOM OFF	NONE	ON	18	.75	.5	11	6	4	2	10	8	27783-29
104TLI-5	E, F, K, L, M, N	MOM ON	OFF	ON										27783-31
104TLI-6	F	MOM ON	NONE	OFF										27783-30
104TLI-7	E, L, N	MOM ON	OFF	MOM ON										27783-27
104TLI-8	F	MOM ON	NONE	ON										27783-26
104TLI-41	F	NONE	MOM OFF	ON										27783-25
104TLI-51	E	NONE	ON	MOM ON										27783-32
104TLI-61	E	MOM ON	OFF	NONE										27783-28



CIRCUIT DIAGRAM

KEYWAY SIDE	CENTER	OPPOSITE KEYWAY