

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

SWITCH - TOGGLE
(MAGNETIC HOLD-IN)

CATALOG LISTING
25ET73-2-F

25ET73-2-F

M

DRAWING
NUMBER

7

ISSUE

REPLACES

RELEASE NO. PR-5126

CHECK

REVISIONS

A	CO	50162
30	WJM	SEP 81
B	CO53402	
16	K E W	APR 84
C	CO55800	
31	TSK	AUG 84
D	CO61908	
10	J A P	JUL 87
E	0007597	
1	TCC-AP	SEP 04
F	0040079	
03	MPH	JUN 08

CHECK

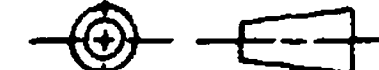
24 JULY 75
DAW

CHECK

K P K21 JUL 75
DRAWN

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

THIRD ANGLE PROJECTION



SCALE FULL

DO NOT SCALE PRINT

TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR
REFERENCE. UNLESS NOTED, TOLERANCES ARE 2

	DIM. mm	TOL. mm/in	DIM. in	TOL. mm/in
NO PLACES	X	1/64	X	0.003
ONE PLACE	X, X	0.01/0.016	X, X	0.003/0.016
TWO PLACES	X, X, X	0.001/0.005	X, X, X	0.001/0.016
THREE PLACES	X, X, X, X	0.0001/0.0005	X, X, X, X	0.0001/0.0005
ANGLES				

DESIGN UNITS ☐ SI METRIC ☒ US CUSTOMARY

RAW MATERIAL - COMMERCIAL STANDARD
MICRO SWITCH STANDARDS APPLY
DIMENSIONS ARE TO BE MET BEFORE
PROTECTIVE COATINGS ARE APPLIED

WEIGHT 7.4 OZ MAX

CHARACTERISTICS ⁴

SOLENOID RATING AT 20°C
STEADY STATE LIMITS ----- 20-29 VDC
HOLD IN ----- 10 VDC
DROP OUT ----- 0-10 VDC
COIL RESISTANCE ----- 220 OHM MIN
OPERATING FORCE ----- 7 LBS MAX
OVERRIDE FORCE AT 29 VDC ----- 10 LBS MAX

ELECTRICAL DATA

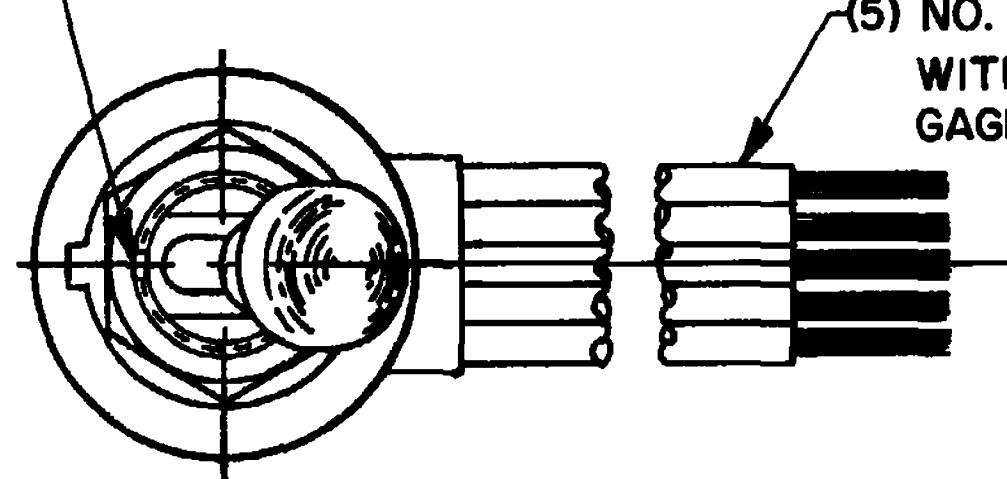
CONTACT ARRANGEMENT
S P D T

VOLTAGE

SEA LEVEL

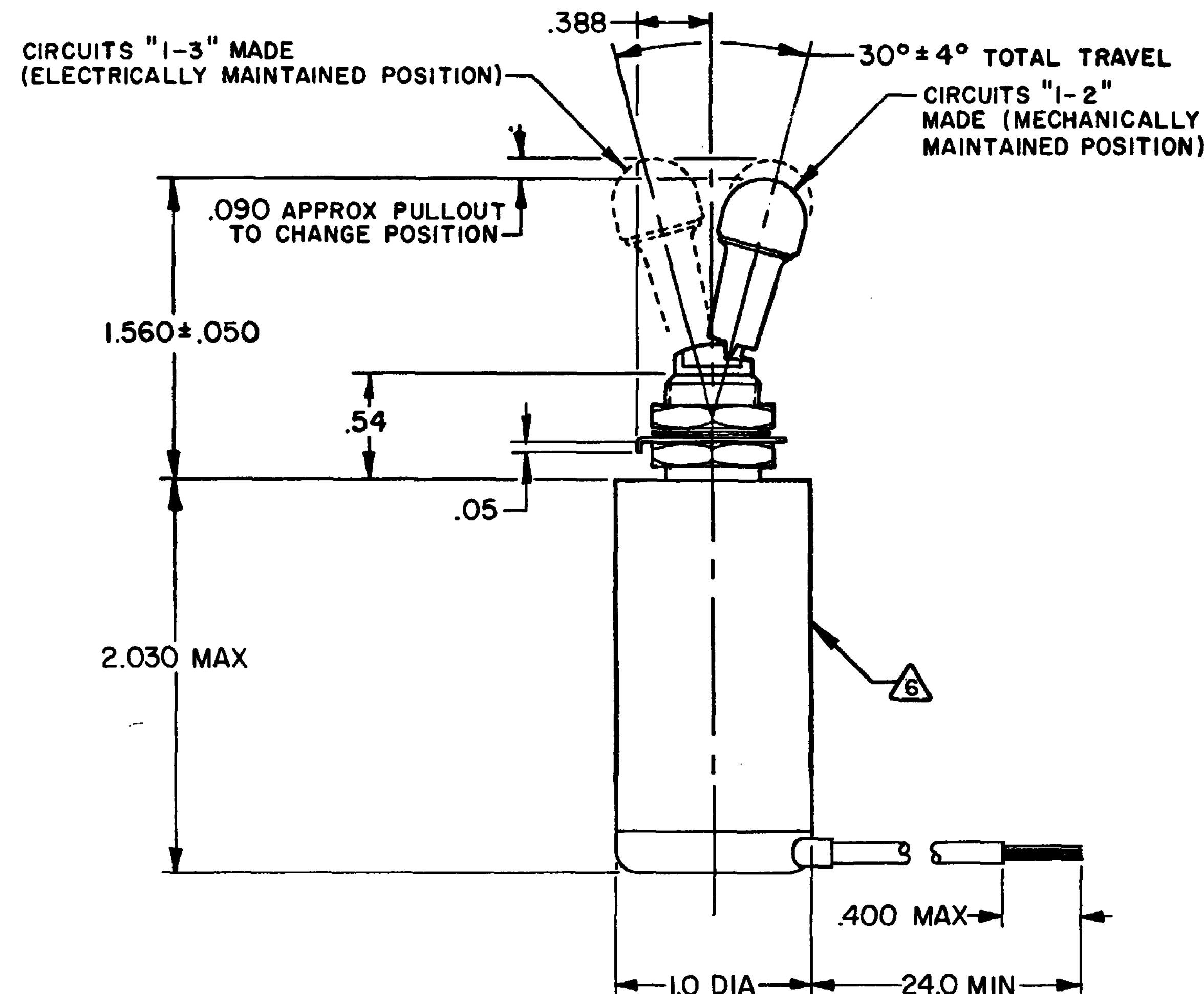
	RES IND	MOTOR	INRUSH	RES IND	MOTOR
28 VOLTS DC	4	3	4		

.072 ± .004 WIDE X .031 DEEP KEYWAY
TO WITHIN .030 OF SHOULDER

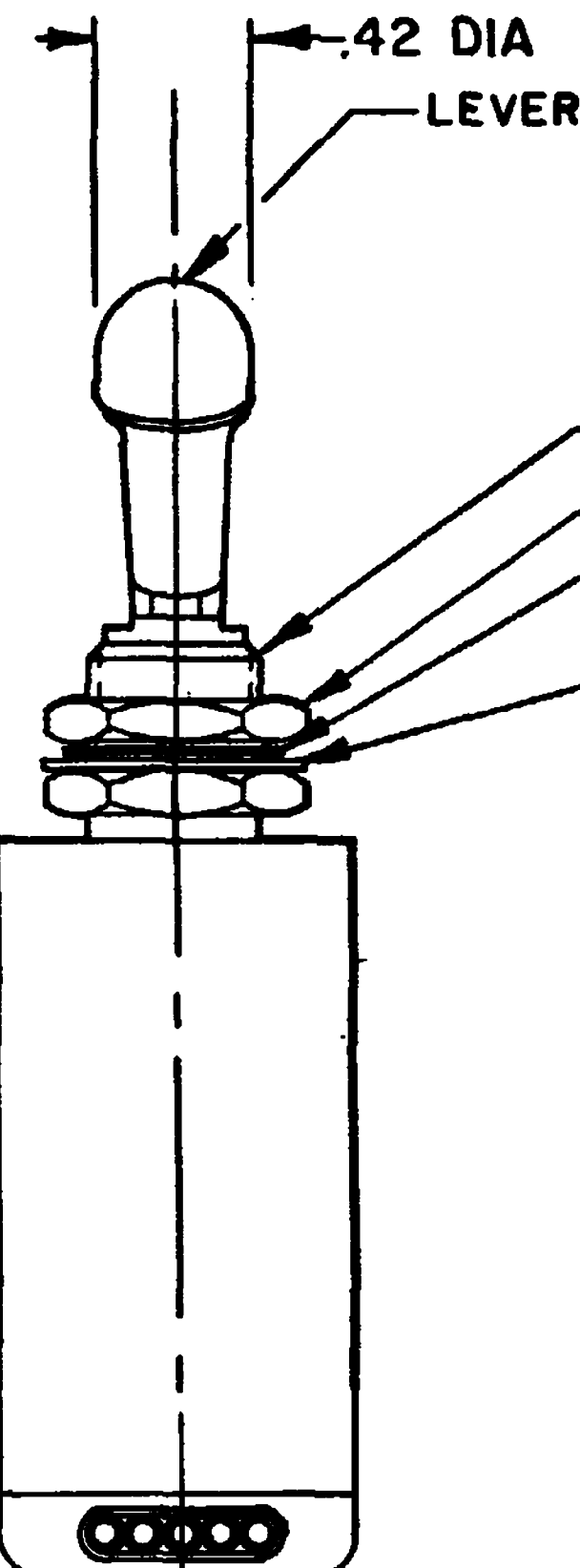


(5) NO. 20 WIRE LEAD PER MIL-W-81044/12 MARKED
WITH CIRCUIT IDENTIFICATION AND WIRE
GAGE (1-20, 2-20, ETC.) PER MIL-W-5088

CIRCUITS "1-3" MADE
(ELECTRICALLY MAINTAINED POSITION)



CIRCUITS "1-2"
MADE (MECHANICALLY
MAINTAINED POSITION)



15/32 - 32 NS THREAD TO WITHIN .090 OF SHOULDER

HEX NUT .56 ACROSS FLATS X .078 THICK (2) ³

CORROSION RESISTANT STEEL INTERNAL TOOTH
LOCKWASHER .60 DIA X .018 REF THICK (MS35333-136) ³

KEYING WASHER .72 DIA X
.031 THICK, TAB .110 WIDE ³

NOTES

- 1 - EXPOSED PARTS ARE OF CORROSION RESISTANT MATERIAL OR
ARE SUITABLY PROTECTED TO PREVENT CORROSION. ENCLOSURE
FINISHED WITH BLUE EPOXY BASED ENAMEL COLOR NO. 25184 PER
FEDERAL STANDARD 595
- 2 - SWITCH SEALED PER MIL-S-5594
- ³ HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594
- ⁴ HOLD IN VOLTAGE: THE MINIMUM SPECIFIED VOLTAGE AT WHICH
THE LEVER WILL REMAIN ACTUATED. HOLD IN MAY OCCUR AT A
LOWER VALUE. DROP OUT VOLTAGE: THE VOLTAGE RANGE IN
WHICH THE LEVER WILL BE RELEASED
- 5 - CIRCUITS CAN BE TRANSFERRED MANUALLY. ENERGIZING THE
COIL WILL NOT CAUSE TRANSFER OF CIRCUITS
- ⁶ CIRCUIT IDENTIFICATION IS SHOWN ON SWITCH

