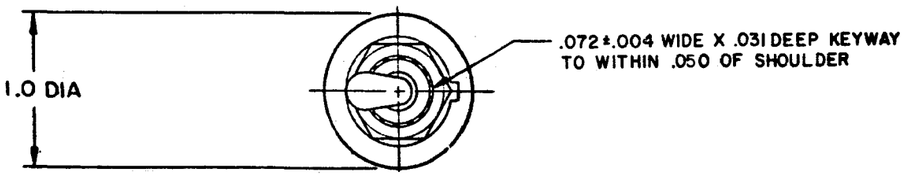
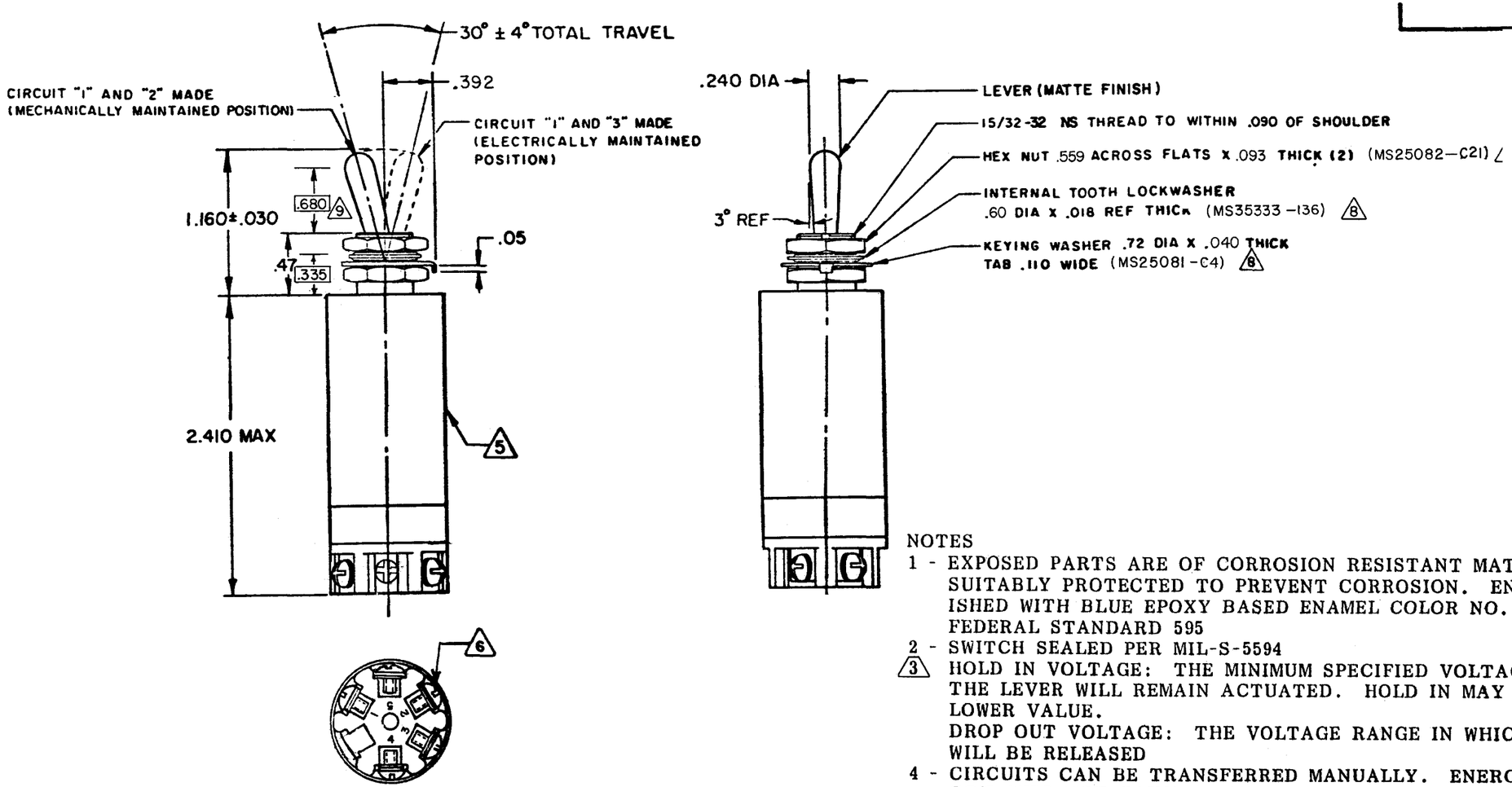
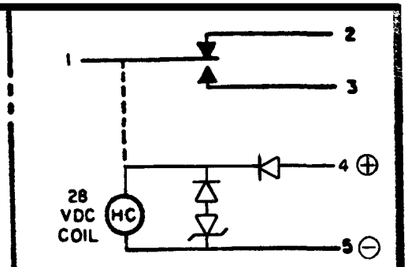
MICRO SWITCH
FREEPORT ILLINOIS, U S A
A DIVISION OF HONEYWELL
FED. MFG. CODE 01929

SWITCH-TOGGLE (MAGNETIC HOLD-IN)

25ET79-S







CIRCUIT DIAGRAM
(MECHANICALLY MAINTAINED POSITION)

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 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

4 - CIRCUITS CAN BE TRANSFERRED MANUALLY. ENERGIZING THE COIL WILL NOT CAUSE TRANSFER OF CIRCUITS

5 CIRCUIT IDENTIFICATION IS SHOWN ON SWITCH

6 NAS 600-3P SCREW (5) OR EQUIVALENT
NAS 620-C4 FLAT WASHER (5)
MS35338-135 LOCKWASHER (5)

7 - THE DIODES ARE JANTX TYPE AND LIMIT THE EMI: SPIKES (TRANSIENTS OF DURATION LESS THAN 500 MICRO SECONDS) GENERATED BY THE SWITCH COIL SHALL NOT EXCEED +42 VOLTS OR -14 VOLTS ABSOULTE

8 HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594

9 FORCE TO BE APPLIED AT THIS POINT IN A DIRECTION PERPENDICULAR TO THE LEVER LONGITUDINAL AXIS

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THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

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

	DIM. mm	TOL. mm/in	DIM. in	TOL. mm/in
NO PLACES	X	1/.04		
ONE PLACE	X.X	0.4/.016	X.X	0.8/.03
TWO PLACES	X.XX	0.16/.006	X.XX	0.3x/.015
THREE PLACES			X.XXX	0.13/.005
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 4.0 OZ MAX

CHARACTERISTICS 3

SOLENOID RATING AT 20° C

STEADY STATE LIMITS	20-30 VDC
HOLD-IN	10 VDC
DROP OUT	1.5-10 VDC
COIL RESISTANCE	220 OHM MIN
OVERRIDE FORCE AT 30 VDC 9	2.5-10 LB
OPERATING FORCE AT 30 VDC 9	1-7 LB

ELECTRICAL DATA

CONTACT ARRANGEMENT: SPDT

VOLTAGE	RATING IN AMPERES						
	SEA LEVEL				65,000 FT		
	RES	IND	MOTOR		RES	IND	MOTOR
28 VOLTS DC	4	3	4		4	2.5	4

A	PR6687	S L B 31 AUG 77									
B	CO 39462	S L B 21 DEC 77									
C	CO 44768	G A S 19 AUG 78									
D	CO 45291	T M M 11 DEC 78									
E	C047008	J A P 7 DEC 79									
F	C049806	D J W 25 SEPT 81									
G	CO 53402	M A M 16 APR 84									
H	C059021A	J A S 27 FEB 86									
J	CO-75787-E	D L T 7 JUL 94									
K	C093048	G J W 12 NOV 98									
L	0012413	VK 22 APR 05									

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DRAWING NUMBER 12

ISSUE

REVISIONS

RELEASE NO. PR-6687

REPLACES

CHECK 22 APR 05

AK

CHECK

29 JUN 77

DRAWN

CHECK

28 JUNE 77

SL BLUM

FORMTEK FO-52851-A