

**MICRO SWITCH**  
FREESTON, ILLINOIS, U.S.A.  
A DIVISION OF HONEYWELL  
FED. MFG. CODE 91920

**SWITCH - TOGGLE  
(MAGNETIC HOLD-IN)**

**25ET79-S**

**25ET79-S**

PAGE 1 OF 1

REPLACES

RELEASE NO. PR-6687

**M**

DRAWING NUMBER

ISSUE

REVISIONS

A APR 6687

S L B

31 AUG 77

B C O

39462

S L B

21 DEC 77

C C O

44768

G A S

19 AUG 78

D C O

45291

T M M

11 DEC 78

E 0047008

J A P

7 DEC 78

F C049806

D J W

25 SEPT 81

G C O

53402

M A M

16 APR 84

H C059021A

T A S

27 FEB 86

J C O

75787-E

D L T

7 JUL 94

K C093048

G J W

12 NOV 98

L 0012413

V K

22 APR 05

FORMTEK

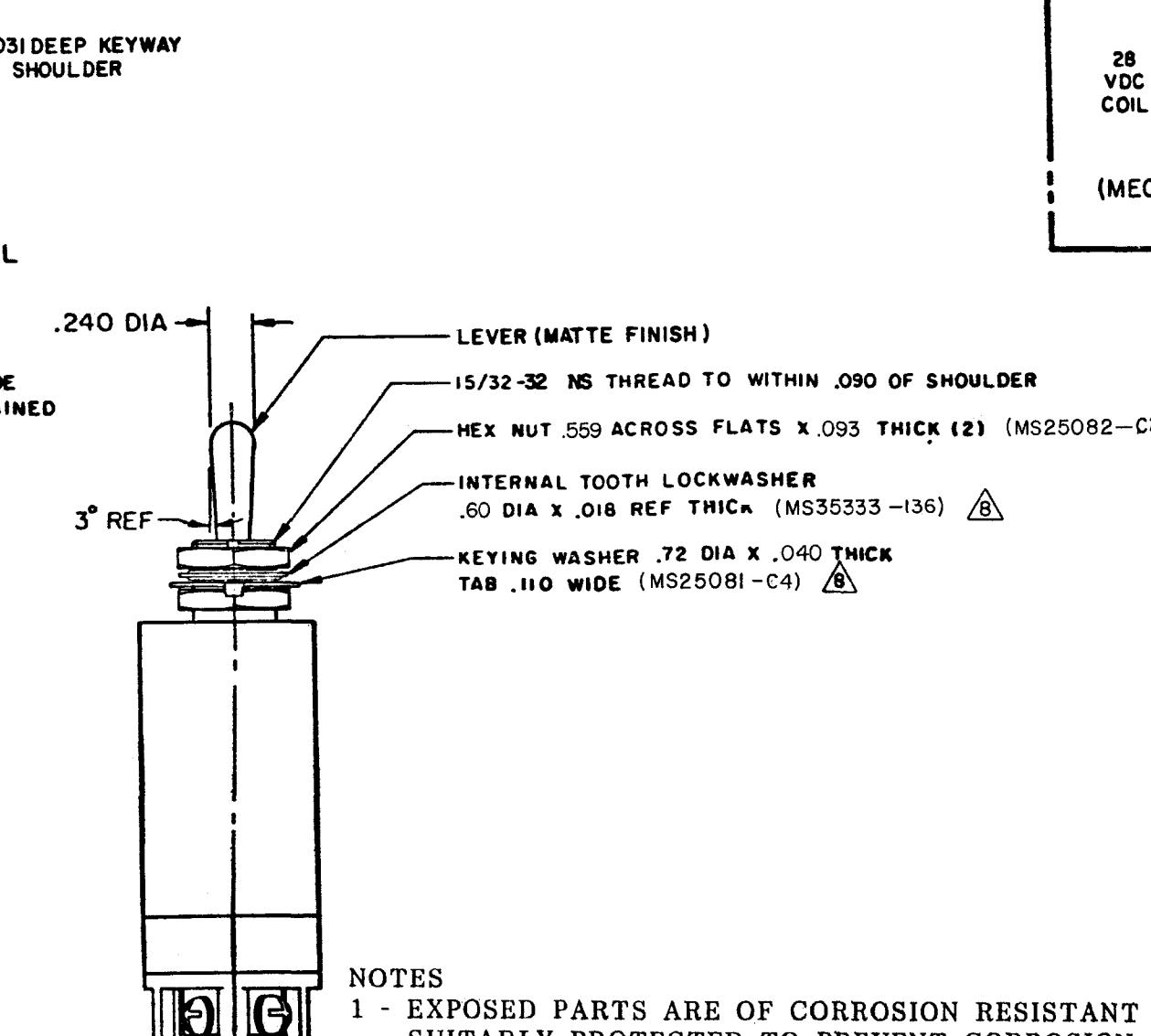
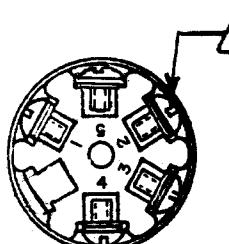
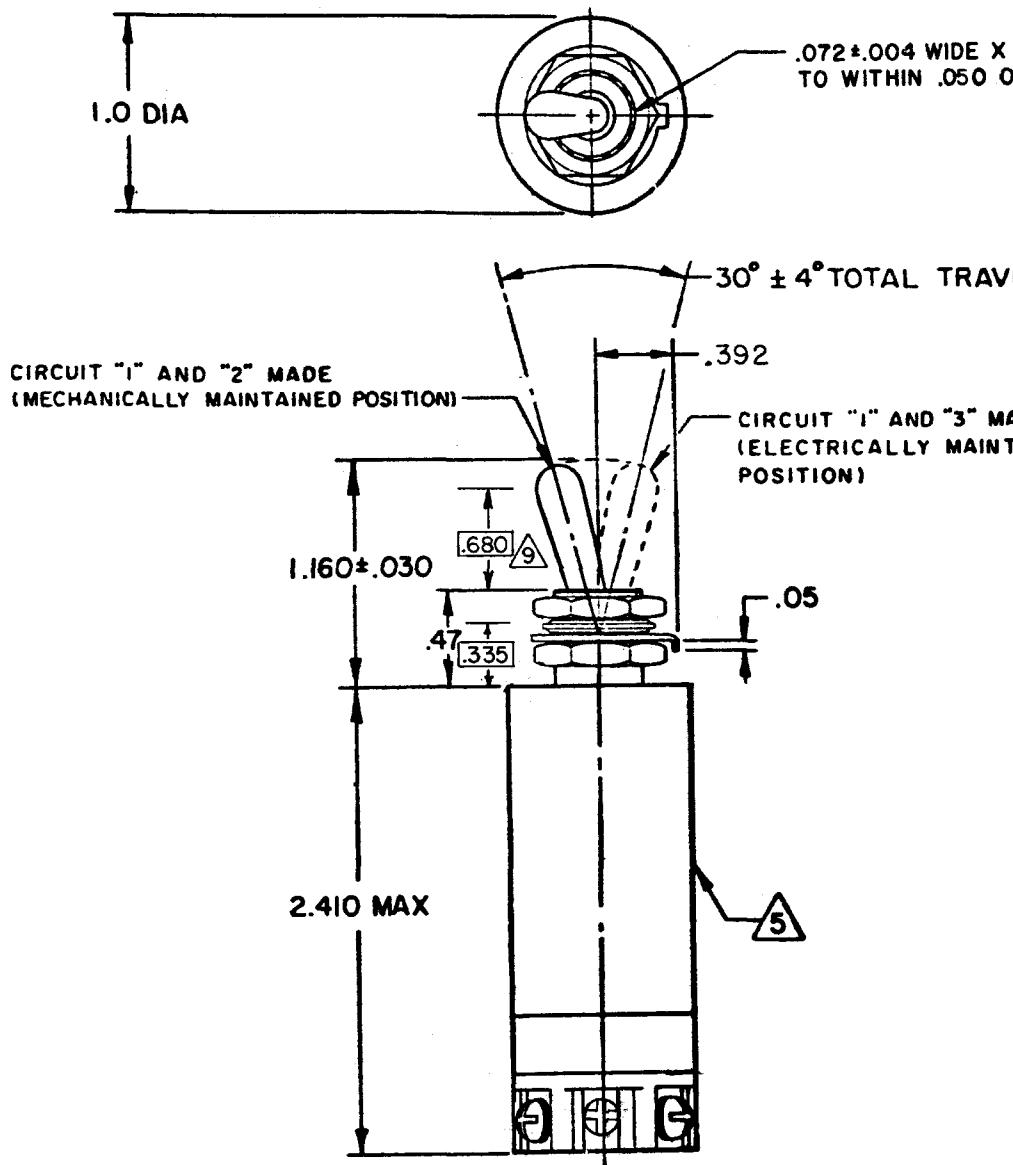
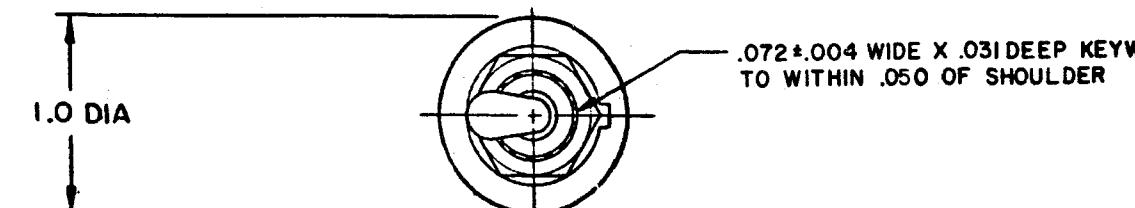
F-05251-A

DRAWN

J. BLUM

28 JUNE 77

CHECK

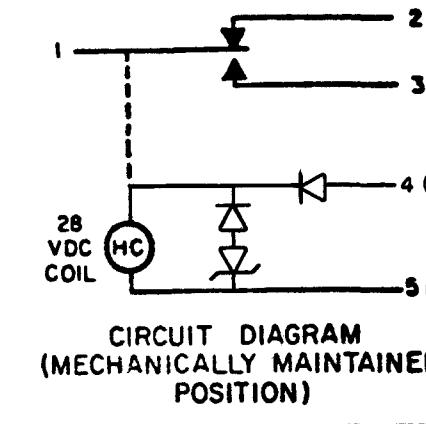


CHARACTERISTICS		ELECTRICAL DATA	
		CONTACT ARRANGEMENT	
		SPDT	
SOLENOID RATING AT 20°C		RATING IN AMPERES	
STEADY STATE LIMITS		SEA LEVEL	
HOLD-IN		65,000 FT	
DROP OUT		VOLTAGE	
COIL RESISTANCE		RES IND MOTOR	
OVERRIDE FORCE AT 30 VDC		RES IND MOTOR	
OPERATING FORCE AT 30 VDC		28 VOLTS DC	

SCALE FULL				
DO NOT SCALE PRINT				
TOLERANCES				
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE ±				
NO PLACES	DIM.	TOL.	DIM.	
ONE PLACE	mm	mm/in	in	TOL.
TWO PLACES	mm	mm/in	in	mm
THREE PLACES	mm	mm/in	in	mm
ANGLES	DEGREES	DEGREES	DEGREES	DEGREES
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				

NOTES

- 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
- 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
- CIRCUITS CAN BE TRANSFERRED MANUALLY. ENERGIZING THE COIL WILL NOT CAUSE TRANSFER OF CIRCUITS
- CIRCUIT IDENTIFICATION IS SHOWN ON SWITCH  
NAS 600-3P SCREW (5) OR EQUIVALENT  
NAS 620-C4 FLAT WASHER (5)  
MS 35338-135 LOCKWASHER (5)
- 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 ABSOLUTELY
- HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594 FORCE TO BE APPLIED AT THIS POINT IN A DIRECTION PERPENDICULAR TO THE LEVER LONGITUDINAL AXIS



CIRCUIT DIAGRAM  
(MECHANICALLY MAINTAINED POSITION)