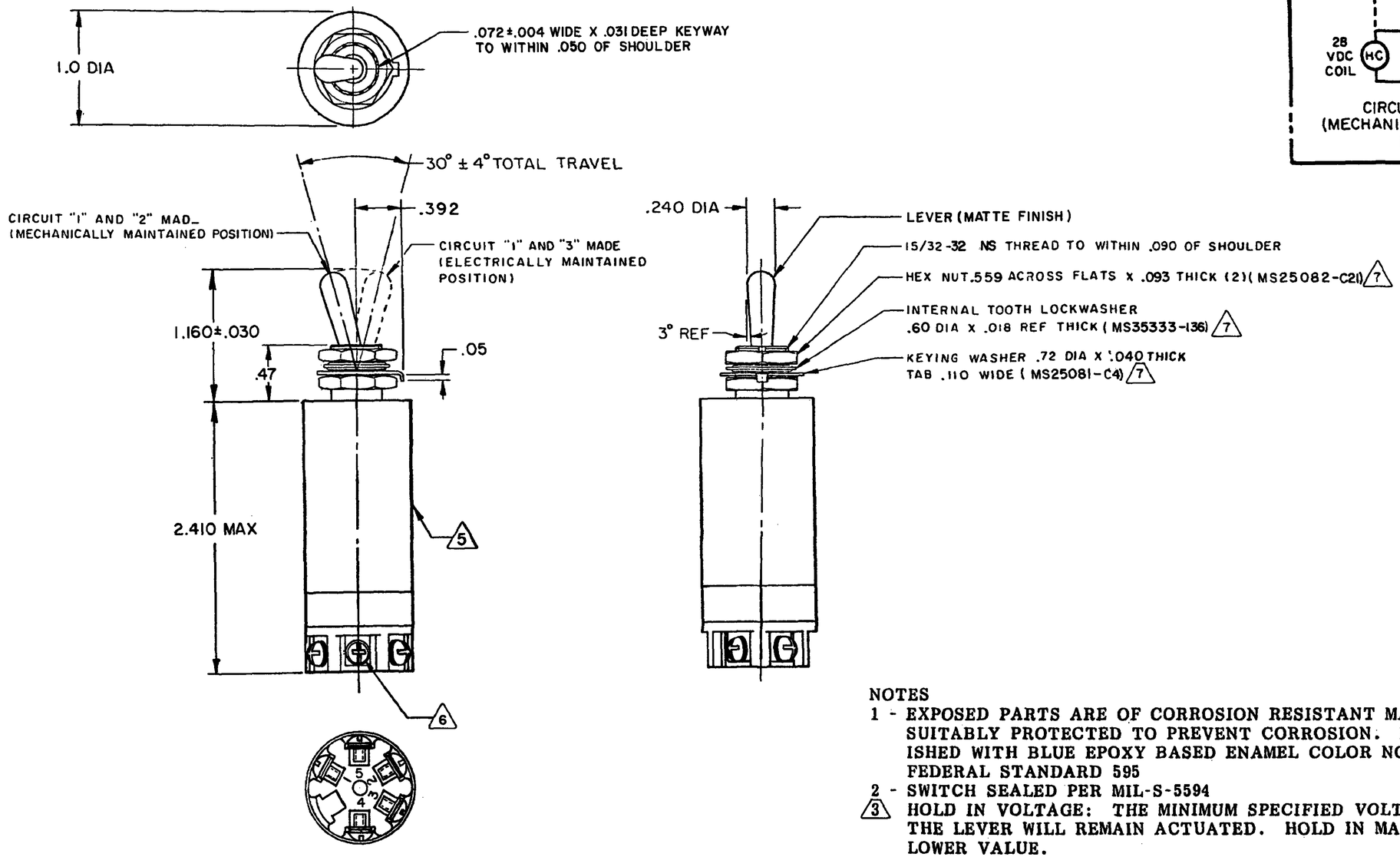
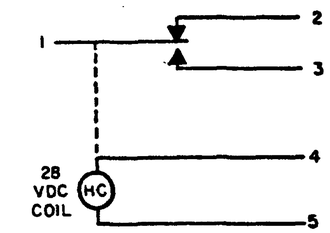
MICRO SWITCH
FREEPORT, ILLINOIS, U S A
A DIVISION OF HONEYWELL
FED. MFG. CODE 91929

SWITCH – TOGGLE (MAGNETIC HOLD-IN)

CATALOG LISTING
25ET78 – S
5M333-6





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 HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594

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.

THIRD ANGLE PROJECTION

SCALE FULL
DO NOT SCALE PRINT

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 29 VDC — — — 10 LB MAX
OPERATING FORCE — — — — — — 7 LB MAX

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

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/.015	X.X	0.8/.03
TWO PLACES	X.XX	0.15/.005	X.XX	0.3±/.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

25ET78-S PAGE 1 OF 1
M
DRAWING NUMBER
ISSUE 13
RELEASE NO. PR-6491
REPLACES
CHECK
REVISIONS
L 0007597
TCC-AP 1 SEP 04
M 0040079
MPH 03JUN08
CHECK
CHECK 25 MAY 77
CHECK CEB
DRAWN GL_H 19 MAY 77
RASTER FO-52851-A