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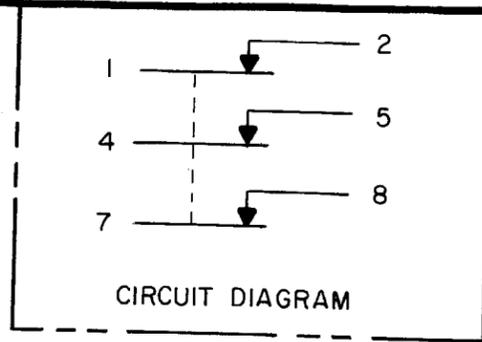FREEPORT ILLINOIS U S A
A DIVISION OF HONEYWELL
FED. MFG. CODE 91929

SWITCH—ENCLOSED

CATALOG LISTING
404EN53

CIRCUIT DIAGRAM
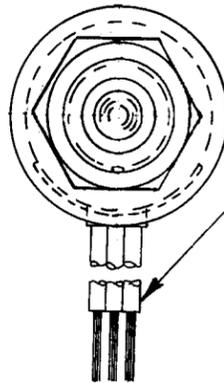
(6) NO. 20 WIRE LEAD PER MIL-W-22759/7
MARKED WITH CIRCUIT IDENTIFICATION AND
WIRE GAGE (1-20, 2-20, ETC.) PER MIL-W-5088

.250 DIA

.047 DIA HOLE FOR
WIRE LOCKING

1.375±.030
FREE
POSITION

1.0

1.200 MAX

MICRO SWITCH
FREEPORT ILL USA

.072±.004 WIDE X .038±.003 DEEP KEYWAY TO WITHIN .250 OF SHOULDER
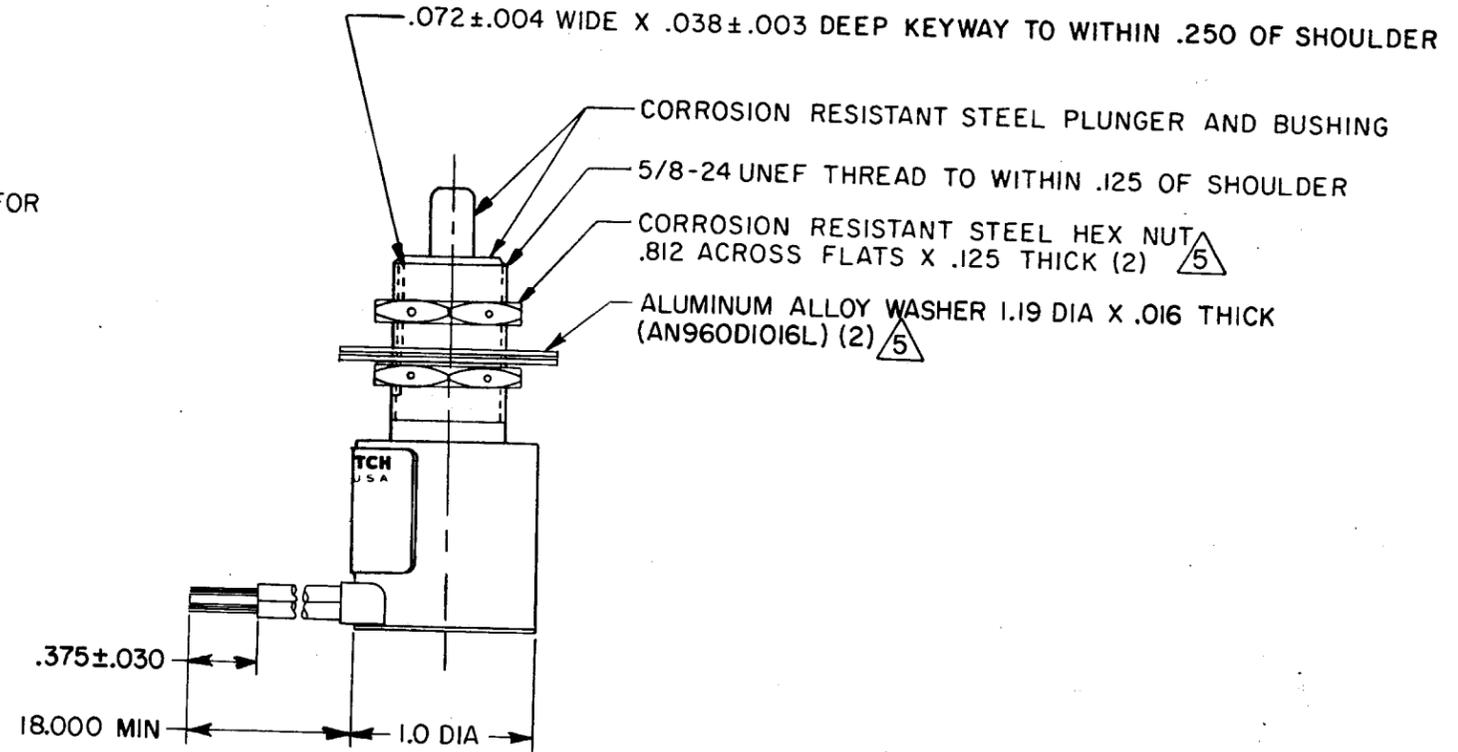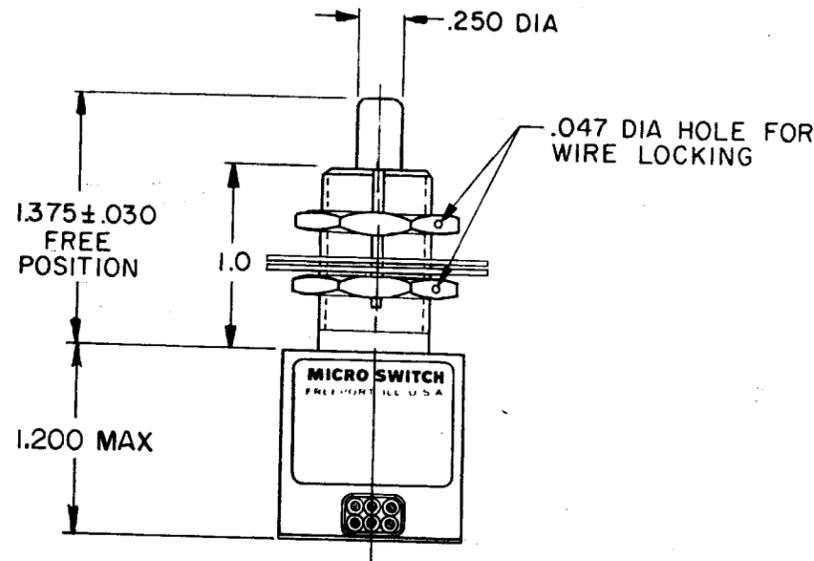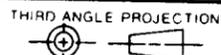
CORROSION RESISTANT STEEL PLUNGER AND BUSHING

5/8-24 UNEF THREAD TO WITHIN .125 OF SHOULDER

CORROSION RESISTANT STEEL HEX NUT
.812 ACROSS FLATS X .125 THICK (2) /5\

ALUMINUM ALLOY WASHER 1.19 DIA X .016 THICK
(AN960D1016L) (2) /5\

.375±.030

18.000 MIN   1.0 DIA

NOTES
1 - CORROSION RESISTANT STEEL ENCLOSURE
2 - SWITCH SEALED PER MIL-S-8805 SYMBOL 4
3 - CIRCUIT DIAGRAM, CAT. LIST., DATE CODE AND
    3-13555-1 ARE SHOWN ON NAMEPLATE
4 - COINCIDENCE OF OPERATING AND RELEASING POINTS:
    .010 OF PLUNGER TRAVEL
/5\ - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805

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	0.15/.006	X.XX	0.38/.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 6.0 OZ MAX

CHARACTERISTICS

OPERATING FORCE — — — — — — — 3-6 LB
FULL OVERTRAVEL FORCE — — — — 17 LB MAX
RELEASE FORCE — — — — — — — 2 LB MIN
PRETRAVEL — — — — — — — — .040 MAX
DIFFERENTIAL TRAVEL — — — — .020 MAX
OVERTRAVEL — — — — — — — .250 MIN

ELECTRICAL DATA

CONTACT ARRANGEMENT
SPNC (3)

LOAD	28 VDC	
	SEA LEVEL	50,000 FT.
RES	7	7
IND	4	2.5
MOTOR	4	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Honeywell](#):
  [404EN53](#)