

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

SWITCH-ENCLOSED

CATALOG LISTING
221EN6-R

221EN6-R

M

DRAWING
NUMBER

ISSUE

4

REVISIONS

A C044351
C E B
2 FEB 80

FO-5285 1-A

DRAWN

REPLACES

PR-6216

CHECK

CHECK

CHECK

C E B

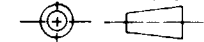
CHECK

2 FEB 80

C E B

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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.	TOL.	DIM.	TOL.
mm	mm/in	in	mm/in
NO PLACES	X	1/104	X X
ONE PLACE	X, X	0.47/0.016	X X X
TWO PLACES	X, XX	0.157/0.006	X X X X
THREE PLACES	X, XXX	0.13/0.005	
ANGLES			

DESIGN UNITS ☐ METRIC ☒ US CUSTOMARY

RAW MATERIAL-COMMERCIAL STANDARD
MICRO SWITCH STANDARDS APPLY

DIMENSIONS ARE TO BE MET BEFORE
PROTECTIVE COATINGS ARE APPLIED

WEIGHT 7 OZ MAX

CHARACTERISTICS

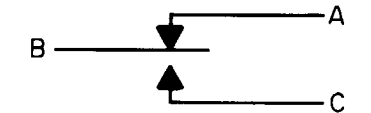
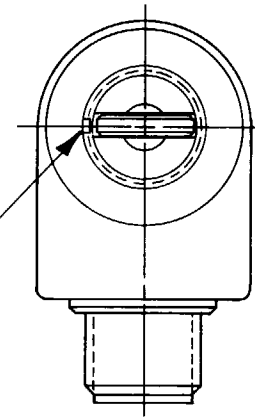
OPERATING FORCE-----6-10 LB
FULL OVERTRAVEL FORCE-----30 LB MAX
RELEASE FORCE-----4 LB MIN
PRETRAVEL-----0.040 MAX
DIFFERENTIAL TRAVEL-----0.020 MAX
OVERTRAVEL-----0.250 MIN

ELECTRICAL DATA

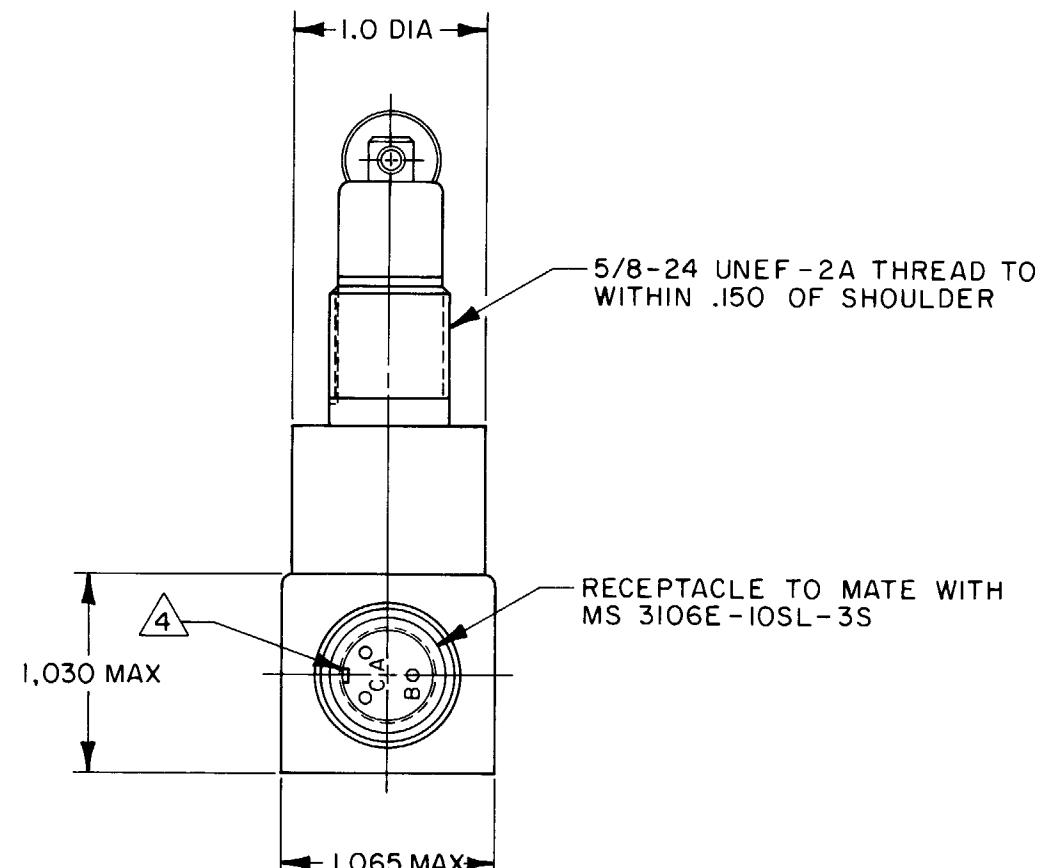
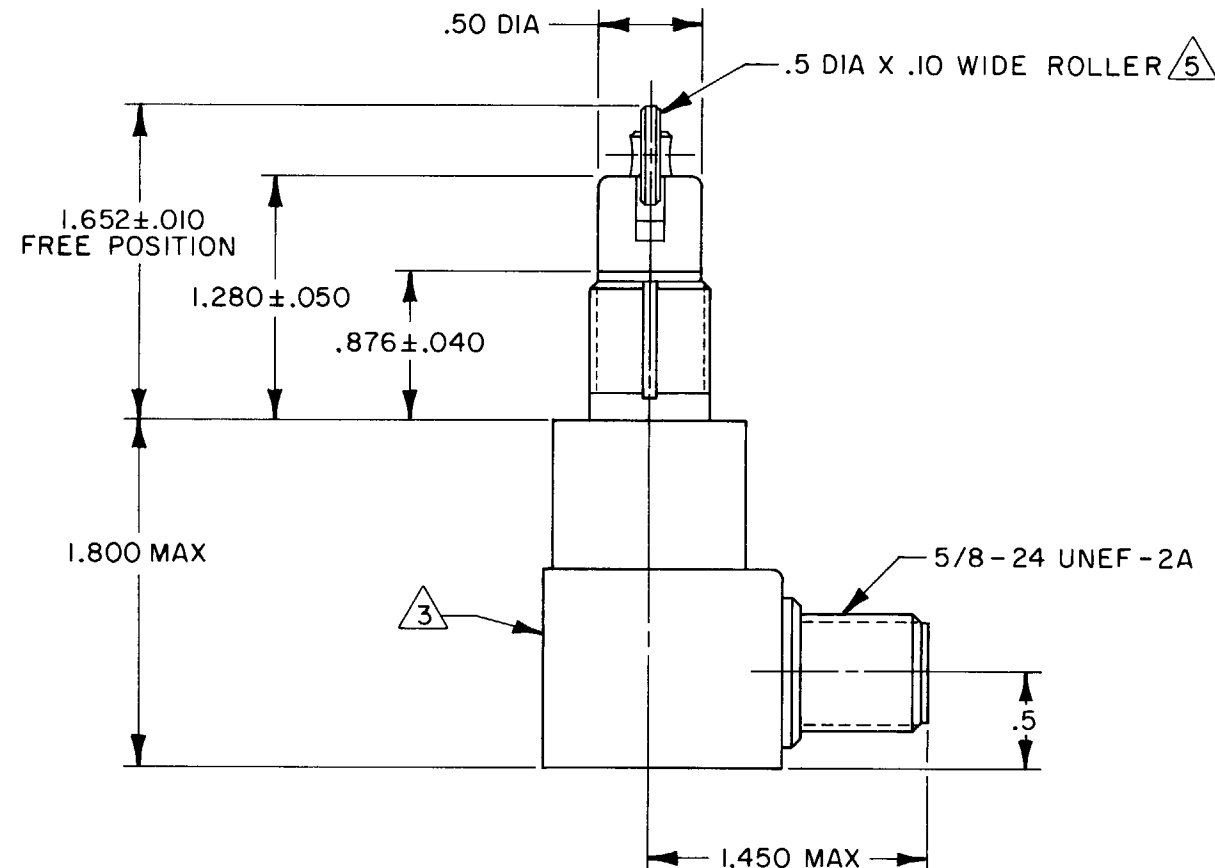
CONTACT ARRANGEMENT
SEE CIRCUIT DIAGRAM

LOAD	28 VDC	
	SEA LEVEL	50,000 FT
RES	4	4
IND	2	2
MOTOR	4	
LAMP		

.072±.004 WIDE X .038±.003
DEEP KEYWAY TO WITHIN
.125 OF SHOULDER



CIRCUIT DIAGRAM
(IN FREE POSITION)



NOTES

- 1 - ALL EXPOSED PARTS ARE CORROSION RESISTANT
- 2 - SWITCH SEALED PER MIL-S-8805 SYMBOL 4
- 3 CATALOG LISTING, CIRCUIT DIAGRAM AND MICRO IDENTIFICATION PERMANENTLY MARKED ON SIDE OF SWITCH
- 4 RECEPTACLE POLARIZING KEY POSITION
- 5 ROLLER WILL ROTATE FREELY
- 6 PLUNGER SEAL MATERIAL - E.P. RUBBER
- 7 - NOTED ELECTRICAL RATING APPLY AS SPECIFIED IN MIL-S-8805/40-1 UP TO 185°F