

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

SWITCH-ENCLOSED

CATALOG LISTING
21EN9-R7

21EN9-R7

M

DRAWING
NUMBER

ISSUE

1

REPLACES

RELEASE NO.

CHECK

REVISIONS

A C044351

J A P

11 SEPT 79

B C047573

PART 4

R J H

7 AUG 80

C C048563

G J W

6 FEB 84

D C068501

T S M

22 FEB 91

E C071719

L J F

3 JAN 92

CHECK

12 SEP 79

C E E

C E E

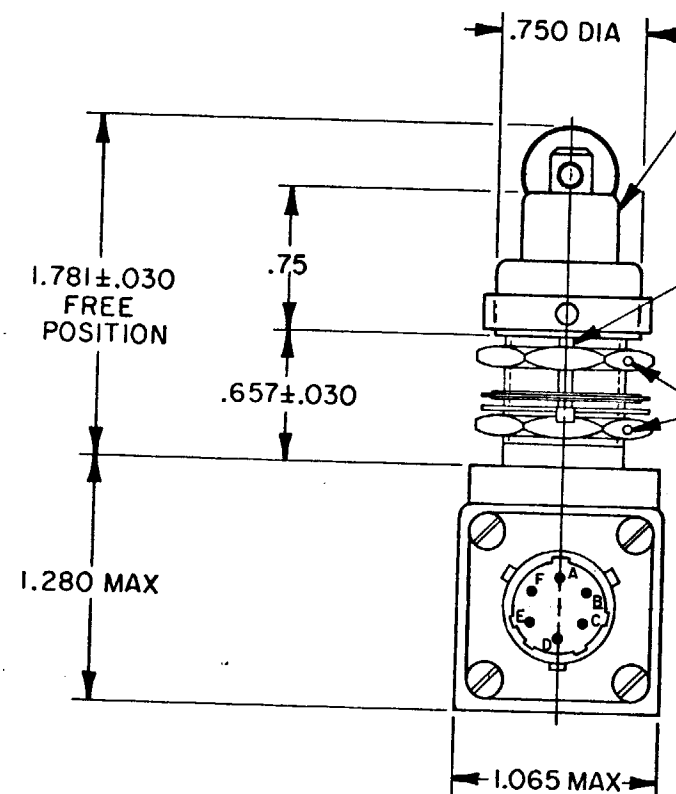
C E E

C E E

C E E

C E E

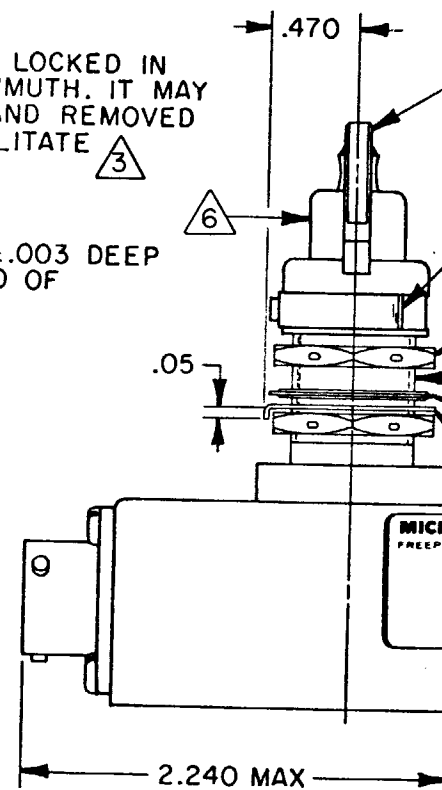
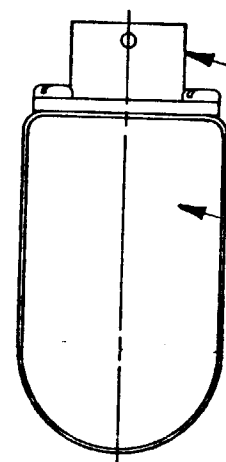
C E E



ROLLER GUIDE MAY BE LOCKED IN INCREMENTS OF 45° AZIMUTH. IT MAY ALSO BE UNSCREWED AND REMOVED FROM BUSHING TO FACILITATE INSTALLATION

.072±.004 WIDE X .038±.003 DEEP KEYWAY TO WITHIN .250 OF SHOULDER

.047 DIA HOLE FOR WIRE LOCKING



.5 DIA X .12 WIDE CORROSION RESISTANT STEEL ROLLER

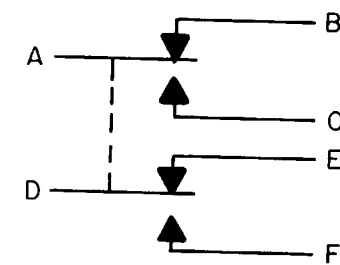
ROLLER GUIDE LOCK RING

CORROSION RESISTANT STEEL HEX NUT, .812 ACROSS FLATS X .125 THICK (2)

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

CORROSION RESISTANT STEEL INTERNAL TOOTH LOCKWASHER, .87 DIA X .022 REF THICK

CORROSION RESISTANT STEEL KEYING WASHER, (MS 25081C6) .87 DIA X .040 THICK, TAB .110 WIDE



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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 1

DIM.	TOL.	DIM.	TOL.
NO PLACES	1/04	1/04	0.01
ONE PLACE	0.01	0.01	0.01
TWO PLACES	0.01	0.01	0.01
THREE PLACES	0.01	0.01	0.01
ANGLES	0.01	0.01	0.01

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 OZ MAX

CHARACTERISTICS

OPERATING FORCE ----- 6-12 LB
FULL OVERTRAVEL FORCE ----- 30 LB MAX
RELEASE FORCE ----- 4 LB MIN
PRETRAVEL ----- .040 MAX
DIFFERENTIAL TRAVEL ----- .020 MAX
OVERTRAVEL ----- .250 MIN

ELECTRICAL DATA

CONTACT ARRANGEMENT
S P D T (2)

LOAD	SEA LEVEL	50,000 FT.
RES	4	4
IND	2	2
MOTOR	4	

NOTES

- 1 - CORROSION RESISTANT STEEL ENCLOSURE
- 2 - SWITCH SEALED PER MIL-S-8805 SYMBOL 4
- 3 - TO ADJUST ROLLER DIRECTION, REMOVE ROLLER GUIDE LOCK RING, SCREW ROLLER GUIDE DOWN AS FAR AS POSSIBLE, THEN UNSCREW TO DESIRED DIRECTION. SECURE BY REPLACING ROLLER GUIDE LOCK RING
- 4 - CIRCUIT DIAGRAM AND CATALOG LISTING ARE SHOWN ON NAMEPLATE
- 5 - COINCIDENCE OF OPERATING AND RELEASING POINTS: .010 INCH OF PLUNGER TRAVEL
- 6 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805