

# MICRO SWITCH

FREEPORT ILLINOIS U.S.A.  
A DIVISION OF HONEYWELL

FED MFG CODE 81829

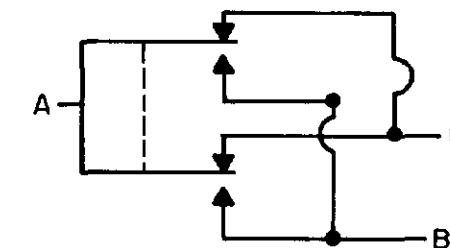
## SWITCH - ENCLOSED

CATALOG LISTING

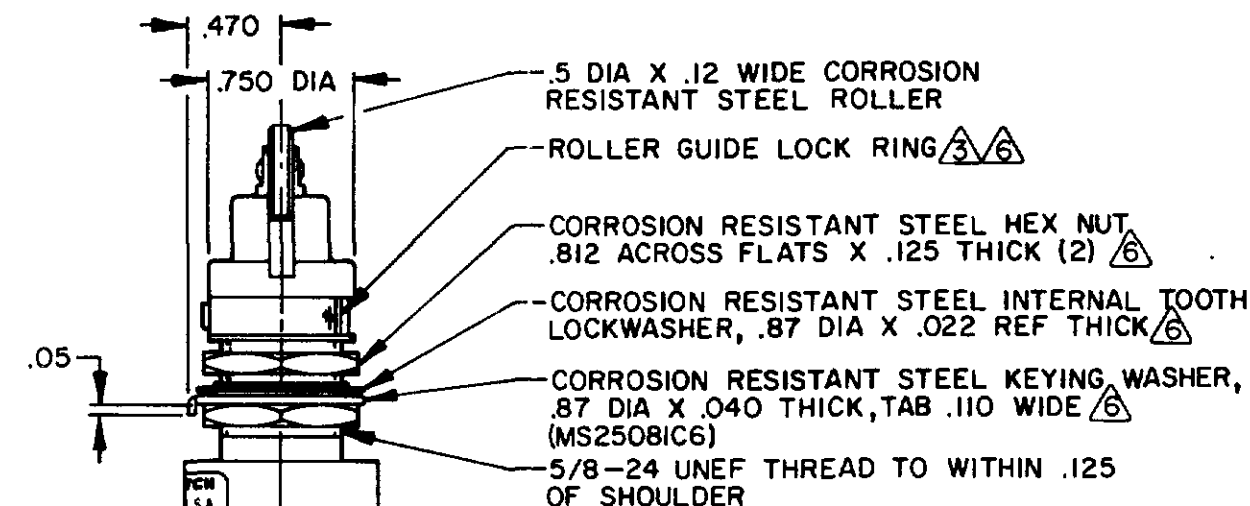
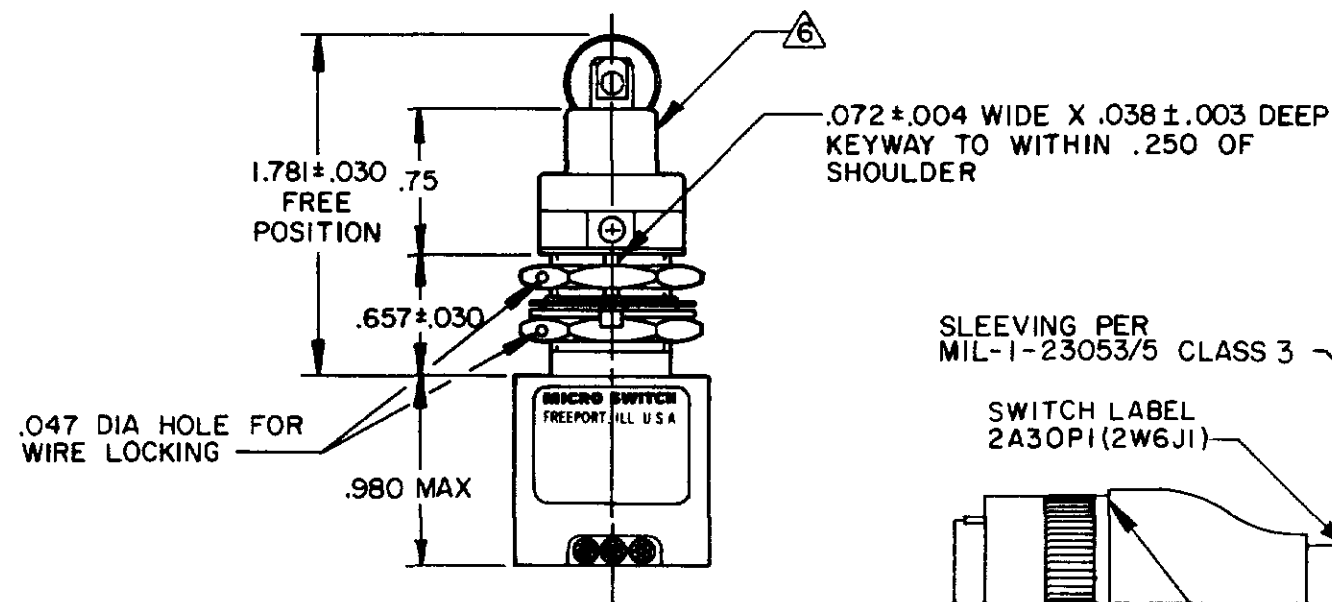
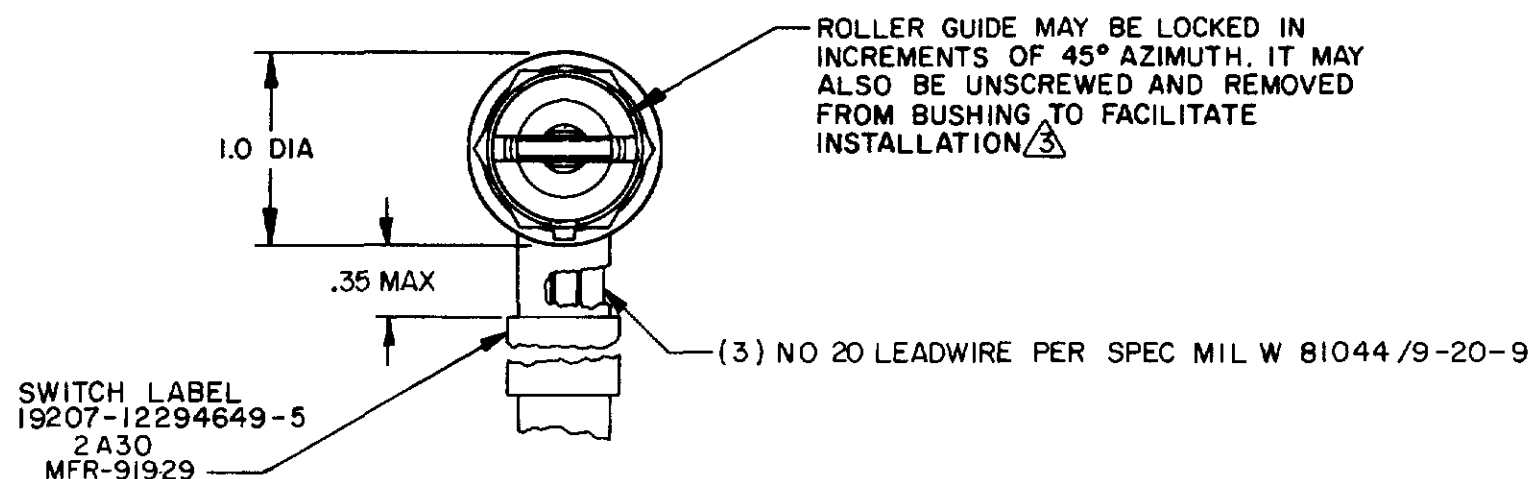
21EN359

U.S. ARMY DRAWING

19207-12294649-5



CIRCUIT DIAGRAM



SLEEVING PER MIL-1-23053/5 CLASS 3

SWITCH LABEL 2A30P1(2W6J1)

CONNECTOR MS 3116E8-33P OR MS 3476W8-33P

BOOT 12293286-2

ADAPTER (UNDER BOOT) 12293185-1

HEAT MELTABLE TAPE 2589945-3

55.000<sup>+2.000</sup><sub>-0.000</sub>

### NOTES

- 1 - CORROSION RESISTANT STEEL ENCLOSURE
- 2 - SWITCH SEALED PER MIL-PRF-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 OF PLUNGER TRAVEL
- 6 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805

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

TOLERANCES  
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED TOLERANCES ARE:

|              | OH | TOL.     | OH | TOL.     |
|--------------|----|----------|----|----------|
|              | mm | mm/in    | in | mm/in    |
| NO PLACES    | X  | 17/04    | X  | 0.07/00  |
| ONE PLACE    | X  | 0.4/018  | X  | 0.38/015 |
| TWO PLACES   | X  | 0.15/008 | X  | 0.13/005 |
| THREE PLACES | X  |          | X  |          |
| 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 1.5 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  
SPDT (2)

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

CATALOG LISTING  
21EN359

PAGE 1 OF 1

ISSUE  
15

### REVISIONS

|   |           |     |           |
|---|-----------|-----|-----------|
| A | PR15117   | JAS | 21 NOV 86 |
| B | CO61309   | YSR | 10 MAR 87 |
| C | CO61895   | WAF | 22 JUN 87 |
| D | CO-61816  | TPS | 20 AUG 87 |
| E | CO89948   | YSM | 11 MAR 91 |
| F | CO71860   | LJF | 31 JAN 92 |
| G | CO74101   | GJW | 29 JAN 93 |
| H | CO778048  | SAD | 16 MAY 94 |
| J | CO-82809A | JAK | 31 JUL 96 |
| K | 0000487   |     |           |

RASTER

DRAWN

REPLACES

RELEASE NO PR-15117

CHECK

CHECK

CHECK

CHECK

CHECK

CHECK

CHECK

CHECK

CHECK