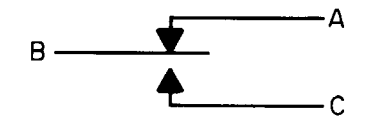


FED. MFG. CODE 91929

CATALOG LISTING

221EN6-R



CIRCUIT DIAGRAM  
(IN FREE POSITION)

221EN6-R

**N**

DRAWING  
NUMBER

5

## REVISIONS

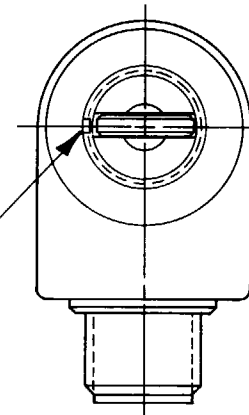
|          |         |
|----------|---------|
| A        | C044351 |
| C E B    |         |
| 2 FEB 80 |         |

FO-52851-A

**DRAWN**

| CEB | CHECK    | CEB | CHECK    | CHECK | CHECK | RELEASE NO. | REPLACES |
|-----|----------|-----|----------|-------|-------|-------------|----------|
| CEB | 2 FEB 80 | CEB | 6 FEB 80 |       |       | PR-6216     |          |

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



Technical drawing of a mechanical assembly, likely a valve or actuator, showing dimensions and callouts.

Dimensions and Callouts:

- $.50 \text{ DIA}$  (Top horizontal dimension)
- $.5 \text{ DIA} \times .10 \text{ WIDE ROLLER}$  (Callout for the roller assembly)
- $1.652 \pm .010$  (Vertical dimension, labeled "FREE POSITION")
- $1.280 \pm .050$  (Vertical dimension)
- $.876 \pm .040$  (Vertical dimension)
- $1.800 \text{ MAX}$  (Vertical dimension)
- $5/8 - 24 \text{ UNEF} - 2A$  (Callout for the threaded section)
- $.5$  (Vertical dimension for the threaded section)
- $1.450 \text{ MAX}$  (Horizontal dimension)
- Surface texture symbol (triangle with '3')
- Surface texture symbol (triangle with '5')

1.0 DIA

5/8-24 UNEF-2A THREAD TO WITHIN .150 OF SHOULDER

RECEPTACLE TO MATE WITH MS 3106E-10SL-3S

4

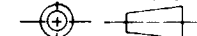
1,030 MAX

1.065 MAX

- 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

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

OPERATING FORCE-----6-10 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  
SEE CIRCUIT DIAGRAM

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

## TOLERANCES

APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE  $\pm$

|              | DIM.<br>mm | TOL.<br>mm/in | DIM.<br>in | TOL.<br>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 X X      | 0.38/015      |
| THREE PLACES |            |               | X X X X    | 0.137/005     |

|           |              |
|-----------|--------------|
| SI METRIC | US CUSTOMARY |
|-----------|--------------|

DESIGN UNITS ☐ ☒

RAW MATERIAL-COMMERCIAL STANDARD

MICRO SWITCH STANDARDS APPLY  
DIMENSIONS ARE TO BE MET BEFORE

DIMENSIONS ARE TO BE MET BEFORE  
PROTECTIVE COATINGS ARE APPLIED

|        |          |
|--------|----------|
| WEIGHT | 7.07 MAX |
|--------|----------|