

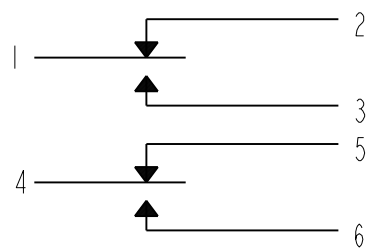
HONEYWELL  
PART NUMBER

21EN107-6

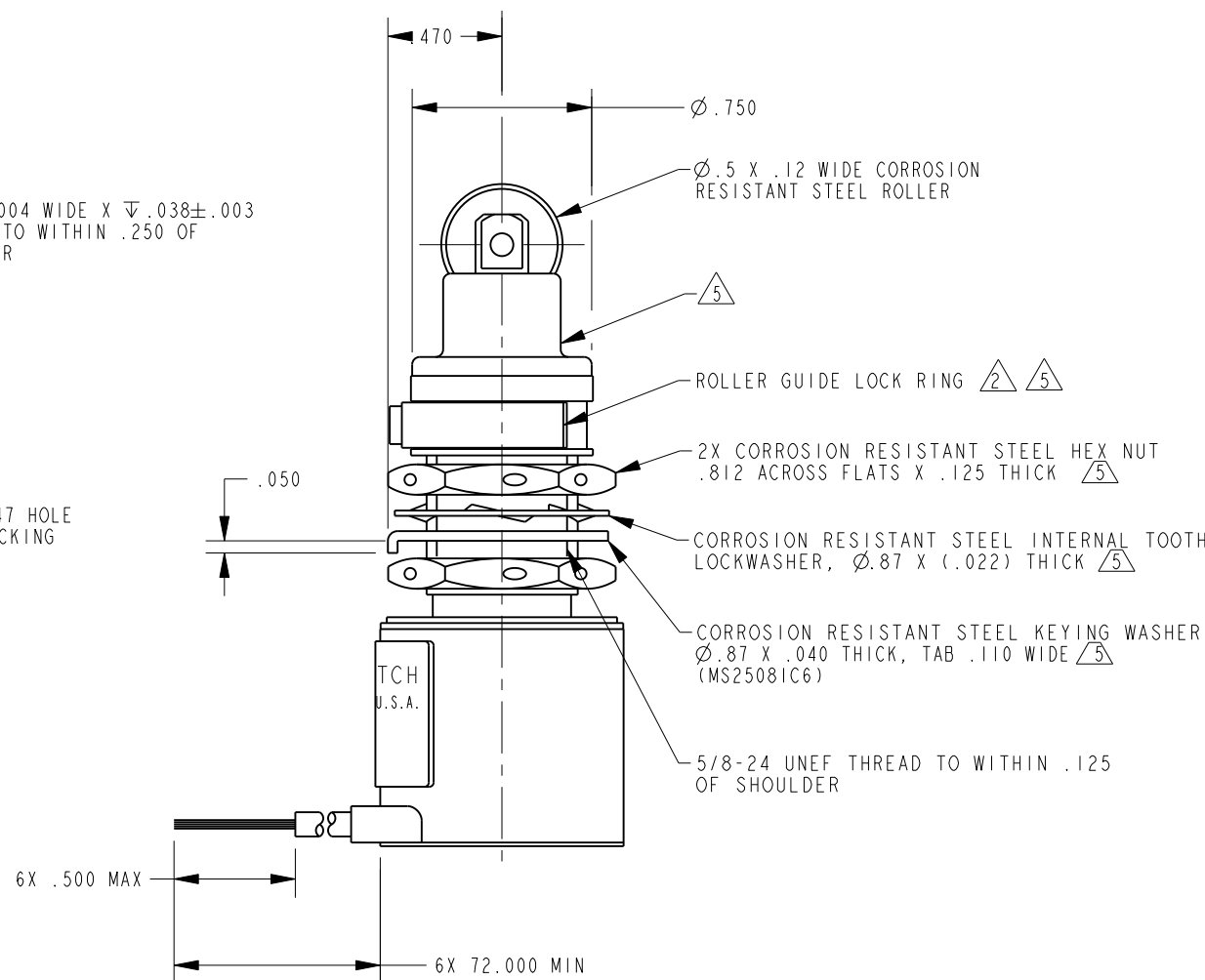
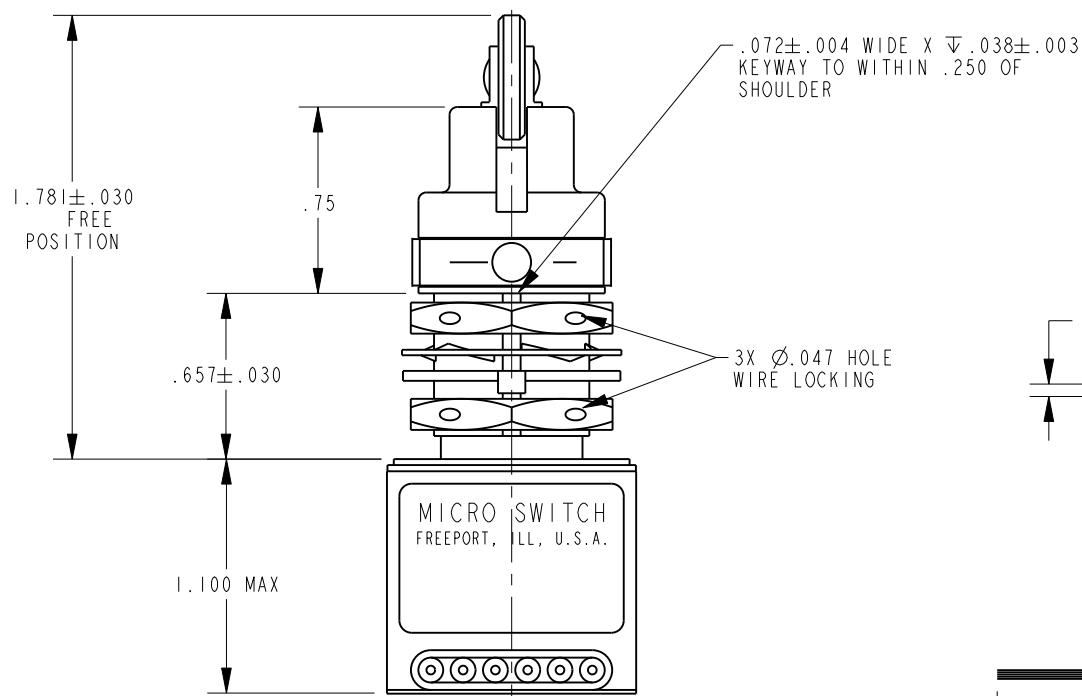
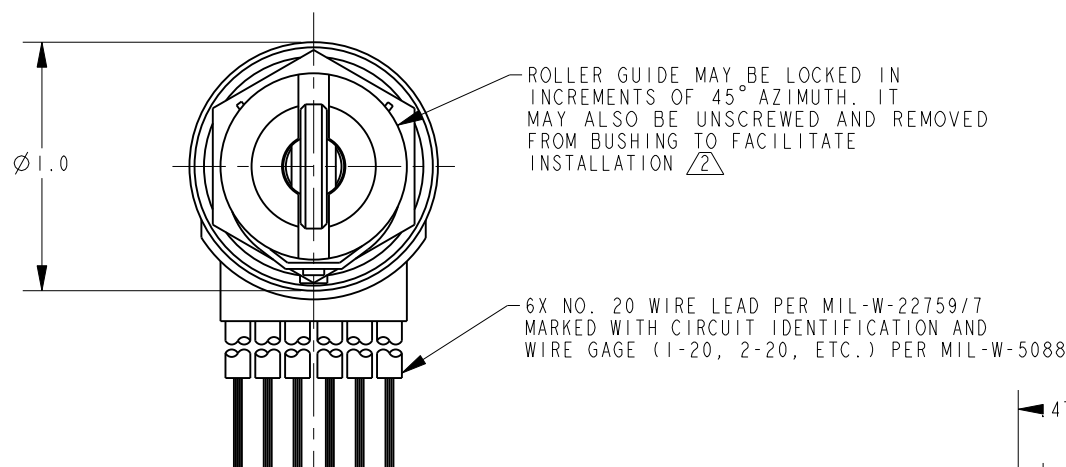
FAA-PMA

8

| REV | DOCUMENT | CHANGED BY  | CHECK |
|-----|----------|-------------|-------|
| 25  | 0016179  | DVM 24OCT05 | RJ    |



CIRCUIT DIAGRAM



## NOTES

- 1 NOT RECOMMENDED
- 2 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
- 3 - CIRCUIT DIAGRAM, CATALOG LISTING, DATE CODE FEDERAL MANUFACTURING CODE AND FAA-PMA ARE SHOWN ON NAMEPLATE
- 4 - REPLACEMENT LOCK RING-PACKET 15PA137
- 5 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
- 6 CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
- 7 LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA FOR MANUFACTURING DETAIL SEE ASSEMBLY DRAWING 21EN107-6 FOR FAA-PMA
- 8 WEIGHT 10.0 OZ MAX
- 9

## SPECIFICATION DETAILS:

|                                                                                                                                                         |                                                                                                                      |           |                                         |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------|-------|
| STANDARD:                                                                                                                                               | CONFORMS TO<br>MS24331-1 (MIL-PRF-8805/40), EXCEPT AS NOTED                                                          |           |                                         |       |
| CONSTRUCTION:                                                                                                                                           |                                                                                                                      |           |                                         |       |
| ENCLOSURE DESIGN                                                                                                                                        | RESILIENT SEAL PER MIL-PRF-8805, SYMBOL 4                                                                            |           |                                         |       |
| CONTACT MATERIAL & CONFIGURATION                                                                                                                        | SMOOTH SILVER CONTACTS                                                                                               |           |                                         |       |
| CIRCUIT CONFIGURATION                                                                                                                                   | 2SPDT                                                                                                                |           |                                         |       |
| TERMINATION                                                                                                                                             | LEADWIRE PER MIL-W-22759/7                                                                                           |           |                                         |       |
| WEIGHT                                                                                                                                                  | 10.0 OZ MAX                                                                                                          |           |                                         |       |
| O-RING                                                                                                                                                  | SILICONE ELASTOMER                                                                                                   |           |                                         |       |
| EXPOSED METALS                                                                                                                                          | CORROSION RESISTANT STAINLESS STEEL                                                                                  |           |                                         |       |
| ELECTRICAL CHARACTERISTICS:                                                                                                                             |                                                                                                                      |           |                                         |       |
| ELECTRICAL RATINGS                                                                                                                                      | VOLTAGE                                                                                                              | RESISTIVE | LOAD<br>INDUCTIVE                       | MOTOR |
| -SEA LEVEL                                                                                                                                              | 28 VDC                                                                                                               | 4A        | 2A                                      | 4A    |
| -50,000 FEET                                                                                                                                            | 28 VDC                                                                                                               | 4A        | 2A                                      |       |
| DIELECTRIC STRENGTH & INSULATION RES                                                                                                                    | DIELECTRIC STRENGTH<br>(≈ 60 Hz FOR 5 SECONDS)                                                                       |           | INSULATION RESISTANCE<br>(500 VDC ±10%) |       |
| -BETWEEN TERMINALS AND EXPOSED<br>NON-CURRENT CARRYING METAL                                                                                            | 1000 V Rms, 500 μA (MAX LEAKAGE)                                                                                     |           | 1000 Megohms MIN                        |       |
| -BETWEEN TERMINALS OF MUTUALLY<br>INSULATED CIRCUITS                                                                                                    | 1000 V Rms, 500 μA (MAX LEAKAGE)                                                                                     |           | 1000 Megohms MIN                        |       |
| -BETWEEN ALL UNCONNECTED TERMINALS<br>OF THE SAME POLE                                                                                                  | 1000 V Rms, 500 μA (MAX LEAKAGE)                                                                                     |           | 1000 Megohms MIN                        |       |
| SWITCH RESISTANCE                                                                                                                                       | N/A                                                                                                                  |           |                                         |       |
| RECOMMENDATION OR USE IN APPL LESS<br>THAN .5 amps AND/OR 12 volts  |                                  |           |                                         |       |
| MECHANICAL CHARACTERISTICS:                                                                                                                             |                                                                                                                      |           |                                         |       |
| COINCIDENCE OF OPERATING<br>AND RELEASING POINTS                                                                                                        | .010 OF PLUNGER TRAVEL                                                                                               |           |                                         |       |
| OPERATING FORCE                                                                                                                                         | 6-12 LBS                                                                                                             |           |                                         |       |
| FULL OVERTRAVEL FORCE                                                                                                                                   | 30 LB MAX                                                                                                            |           |                                         |       |
| RELEASE FORCE                                                                                                                                           | 4 LB MIN                                                                                                             |           |                                         |       |
| PRETRAVEL                                                                                                                                               | .040 MAX                                                                                                             |           |                                         |       |
| DIFFERENTIAL TRAVEL                                                                                                                                     | .020 MAX                                                                                                             |           |                                         |       |
| OVERTRAVEL                                                                                                                                              | .250 MIN                                                                                                             |           |                                         |       |
| MOUNTING STRENGTH                                                                                                                                       | 15 IN-LBS                                                                                                            |           |                                         |       |
| ACTUATOR STRENGTH                                                                                                                                       | 30 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION                                                              |           |                                         |       |
| LIFE:                                                                                                                                                   |                                                                                                                      |           |                                         |       |
| MECHANICAL LIFE                                                                                                                                         | 25,000 MIN PER MIL-PRF-8805/40  |           |                                         |       |
| ELECTRICAL LIFE AT FULL RATED LOAD                                                                                                                      | 25,000 MIN PER MIL-PRF-8805/40  |           |                                         |       |
| ENVIRONMENTAL:                                                                                                                                          |                                                                                                                      |           |                                         |       |
| TEMPERATURE RANGE                                                                                                                                       | -55° C TO +85° C                                                                                                     |           |                                         |       |
| ALTITUDE RANGE                                                                                                                                          | SEA LEVEL TO 50,000 FT                                                                                               |           |                                         |       |
| SHOCK                                                                                                                                                   | PER MIL-PRF-8805 SYMBOL M-100g                                                                                       |           |                                         |       |
| VIBRATION                                                                                                                                               | PER MIL-PRF-8805 SYMBOL I - 10-500 Hz & 10g PEAK                                                                     |           |                                         |       |
| MOISTURE RESISTANCE                                                                                                                                     | PER MIL-PRF-8805 (10 DAYS TEST)                                                                                      |           |                                         |       |
| THERMAL SHOCK                                                                                                                                           | PER MIL-PRF-8805 (5 CYCLE TEST)                                                                                      |           |                                         |       |
| SALT SPRAY                                                                                                                                              | PER MIL-PRF-8805 (96 HOURS TEST)                                                                                     |           |                                         |       |

|                          |                                                                                                                                                        |     |         |                                   |           |                                  |                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|-----------------------------------|-----------|----------------------------------|------------------|
| DESIGN UNITS: INCH       | DRAWN                                                                                                                                                  | TSM | OINOV00 | <b>Honeywell</b>                  |           |                                  |                  |
| TOLERANCES UNLESS NOTED: | CHECK                                                                                                                                                  | SAV | OINOV00 |                                   |           |                                  |                  |
| NO PLACE X ±             | THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL. |     |         | TITLE<br><b>SWITCH - ENCLOSED</b> |           |                                  |                  |
| ONE PLACE .X ± .030      |                                                                                                                                                        |     |         |                                   |           |                                  |                  |
| TWO PLACE .XX ± .015     |                                                                                                                                                        |     |         |                                   |           |                                  |                  |
| THREE PLACE .XXX ± .005  |                                                                                                                                                        |     |         |                                   |           |                                  |                  |
| FOUR PLACE .XXXX ±       |                                                                                                                                                        |     |         |                                   |           |                                  |                  |
| ANGLES X ±               | INTERPRET PER ANSI Y14.5M-1982 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY                                                                         |     |         | SIZE<br><b>C</b>                  | TYPE<br>I | DRAWING NAME<br><b>21EN107-6</b> | REV<br><b>25</b> |
| THIRD ANGLE PROJECTION   |                                                                                                                                                        |     |         | SCALE<br>2:1                      |           | SHEET<br>1 OF 1                  |                  |
|                          | Pro/ENGINEER                                                                                                                                           | 2D  |         |                                   |           |                                  |                  |

## Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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