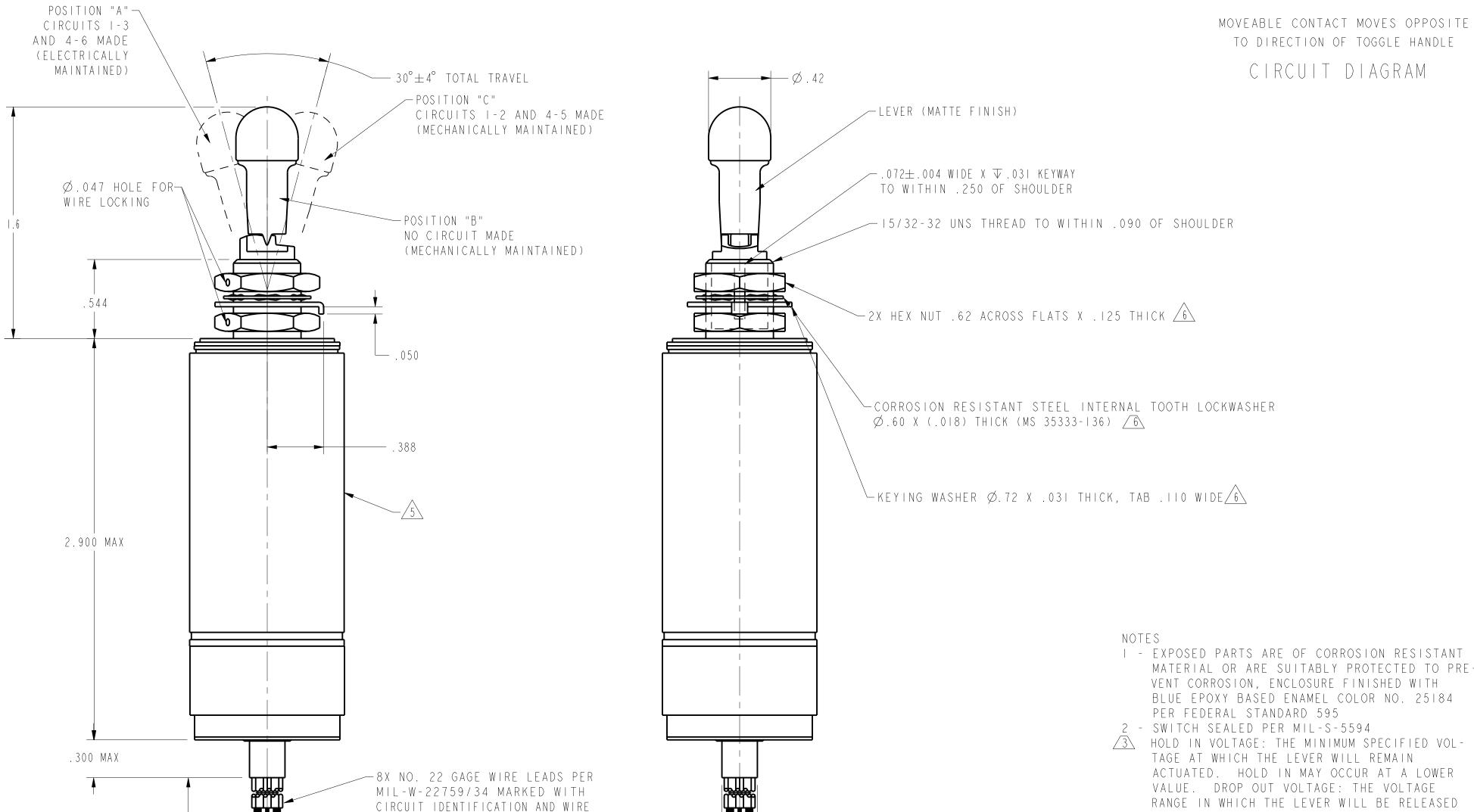
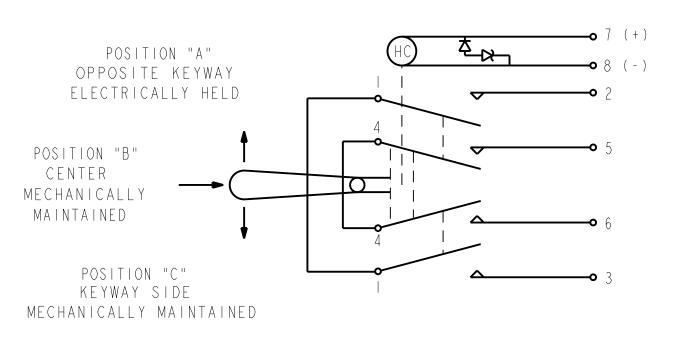
KEYING WASHER Ø.72 X .031 THICK, TAB .110 WIDE 6 2.900 MAX MOISTURE RESISTANCE PER MIL-S-5594 PARA. 3.17 & 4.9.13 PER MIL-S-5594 PARA. 3.15 & 4.9.11 ACCELERATION NOTES PER MIL-S-5594 PARA. 3.16 & 4.9.12 SALT SPRAY I - EXPOSED PARTS ARE OF CORROSION RESISTANT SAND AND DUST PER MIL-S-5594 PARA. 3.18 & 4.9.14 MATERIAL OR ARE SUITABLY PROTECTED TO PRE-EXPLOSION PER MIL-S-5594 PARA. 3.19 & 4.9.15 VENT CORROSION, ENCLOSURE FINISHED WITH BLUE EPOXY BASED ENAMEL COLOR NO. 25184 PER FEDERAL STANDARD 595 2 - SWITCH SEALED PER MIL-S-5594 43\ HOLD IN VOLTAGE: THE MINIMUM SPECIFIED VOL-TAGE AT WHICH THE LEVER WILL REMAIN .300 MAX ACTUATED. HOLD IN MAY OCCUR AT A LOWER ──8X NO. 22 GAGE WIRE LEADS PER VALUE. DROP OUT VOLTAGE: THE VOLTAGE MIL-W-22759/34 MARKED WITH RANGE IN WHICH THE LEVER WILL BE RELEASED CIRCUIT IDENTIFICATION AND WIRE 4 - CIRCUITS CAN BE TRANSFERRED MANUALLY. GAGE (1-22, 2-22 ETC) PER 36.000 MIN ENERGIZING THE COIL WILL NOT CAUSE TRANS-MIL-W-5088 FER OF CIRCUITS CIRCUIT IDENTIFICATION IS SHOWN ON SWITCH **→** Ø .280 MAX HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594 7 - SWITCHES DO NOT NECESSARILY OPERATE SIMULTANEOUSLY 8 - THE DIODES ARE JANTXV TYPE AND LIMIT THE EMI: SPIKES (TRANSIENTS OF DURATION LESS THAN 500 MICRO SECONDS) GENERATED BY THE SWITCH COIL SHALL NOT EXCEED 42 VOLTS ONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS 10 - CUSTOMER PART NUMBER 5PTV0505-1 THIRD ANGLE PROJECTION ⊕ — - -DO NOT SCALE PRINT UNLESS OTHERWISE SPECIFIED TOLERANCES ARE THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH. A DIVISION OF ONE PLACE (.0) +.030 HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH. TWO PLACE (.00) +.015 FED. MFG. CODE 91929 CATALOG LISTING THREE PLACE (.000) +.005 MICROSWITCH SWITCH - TOGGLE 29ET16-3B-B ANGLES (MAGNETIC HOLE-IN) a Honeywell Division ANSI YI4.5M-1982 APPLIES



Ø 1.080 MAX



| | 29ET16-3B-B |
|---|---|
| SPECIFICATION DETAILS: | |
| STANDARD: | CONFORMS TO MIL-S-5594 |
| CONSTRUCTION: | |
| ENCLOSURE DESIGN | SEALED TO 1 X 10-6 ATM*CC/S PER MIL-S-5594 |
| | PARA.3.12 & 4.9.8 |
| SEAL MATERIAL | SILICONE RUBBER |
| CONTACT MATERIAL & CONFIGURATION | GOLD BIFURCATED CONTACTS 5 |
| CIRCUIT CONFIGURATION | 4X S P D T |
| TERMINATION | BOTTOM EXIT LEADWIRES |
| WEIGHT | 10 ozf (2.8N) MAX |
| EXPOSED METALS | CORROSION RESISTANT OR SUITABLY PROTECTED TO PREVENT CORROSION |
| ENCLOSURE PAINT | BLUE EPOXY BASED ENAMEL COLOR NO. 25184 PER FEDERAL STANDARD 595 |
| ELECTRICAL CHARACTERISTICS: | |
| ELECTRICAL RATINGS | VOLTAGE INDUCTIVE RESISTIVE |
| -SEA LEVEL | 28 VDC . 5 A I A |
| -65,000 FEET | 28 VDC . 5 A I A |
| DIELECTRIC STRENGTH & INSULATION RES | <u>DIELECTRIC STRENGTH</u> <u>INSULATION RESISTANC</u> |
| -BETWEEN ALL TERMINALS AND EXPOSED | ≈ 60 Hz FOR 5 SEC) |
| NON-CURRENT CARRYING METAL OR | 1000V RMS, 1000μA (MAX LKG) N/A |
| GROUNDED PARTS | |
| -BETWEEN ALL TERMINALS OF MUTUALLY | IOOOV RMS, IOOOДА (MAX LKG) N/A |
| INSULATED CIRCUITS, INCLUDING BETWEEN | TOUCH MMS, TOUGH A CMAN ENGT |
| POLES | |
| -BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE | 1000V RMS, 1000μ A (MAX LKG) N/A |
| SWITCH RESISTANCE | N/A |
| RECOMMENDATION OR USE IN APPL LESS | |
| THAN .5 amps AND/OR 12 volts | YES 9 |
| MECHANICAL CHARACTERISTICS: /3 | |
| STEADY STATE LIMITS | 20-29 VDC |
| HOLD IN VOLTAGE | I 5 VDC |
| DROP OUT VOLTAGE | 0-15 VDC |
| OPERATING FORCE AT 30 VDC | 7 lbf (31, 1 N) MAX |
| OVERRIDE FORCE AT 30 VDC | 10 lbf (44, 5 N) MAX |
| SOLENOID RESISTANCE AT 30 VDC | 220 OHMS MIN |
| AND 68° F (20° C) | 15 11 6 11 7 1 7 111 111 111 111 |
| MOUNTING STRENGTH | 15 lbf-lN (1,7 NM) MAX |
| ACTUATING STRENGTH | 25 lbf (III,2N) PER MIL-S-5594 PARA.3.8 & 4.9.4.A |
| IFF : | 15 lbf (66,7N) PER MIL-S-5594 PARA.3.8 & 4.9.4.B |
| MECHANICAL LIFE | 40,000 CYCLES MIN PER MIL-S-5594 PARA.3.10 & 4.9. |
| ELECTRICAL LIFE AT FULL RATED LOAD | 20,000 CYCLES MIN PER MIL-S-5594 PARA.3.11 & 4.9. |
| ENVIRONMENTAL: | |
| TEMPERATURE RANGE | -85° F (-65° C) TO +160° F (+71° C) |
| ALTITUDE RANGE | SEA LEVEL TO 65,000 FT |
| SHOCK | PER MIL-S-5594 PARA. 3.14 & 4.9.10 |
| VIBRATION | PER MIL-S-5594 PARA. 3.13 & 4.9.9 |
| MOISTURE RESISTANCE | PER MIL-S-5594 PARA 3 17 8 4 9 13 |

Mouser Electronics

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Honeywell: 29ET16-3B-B