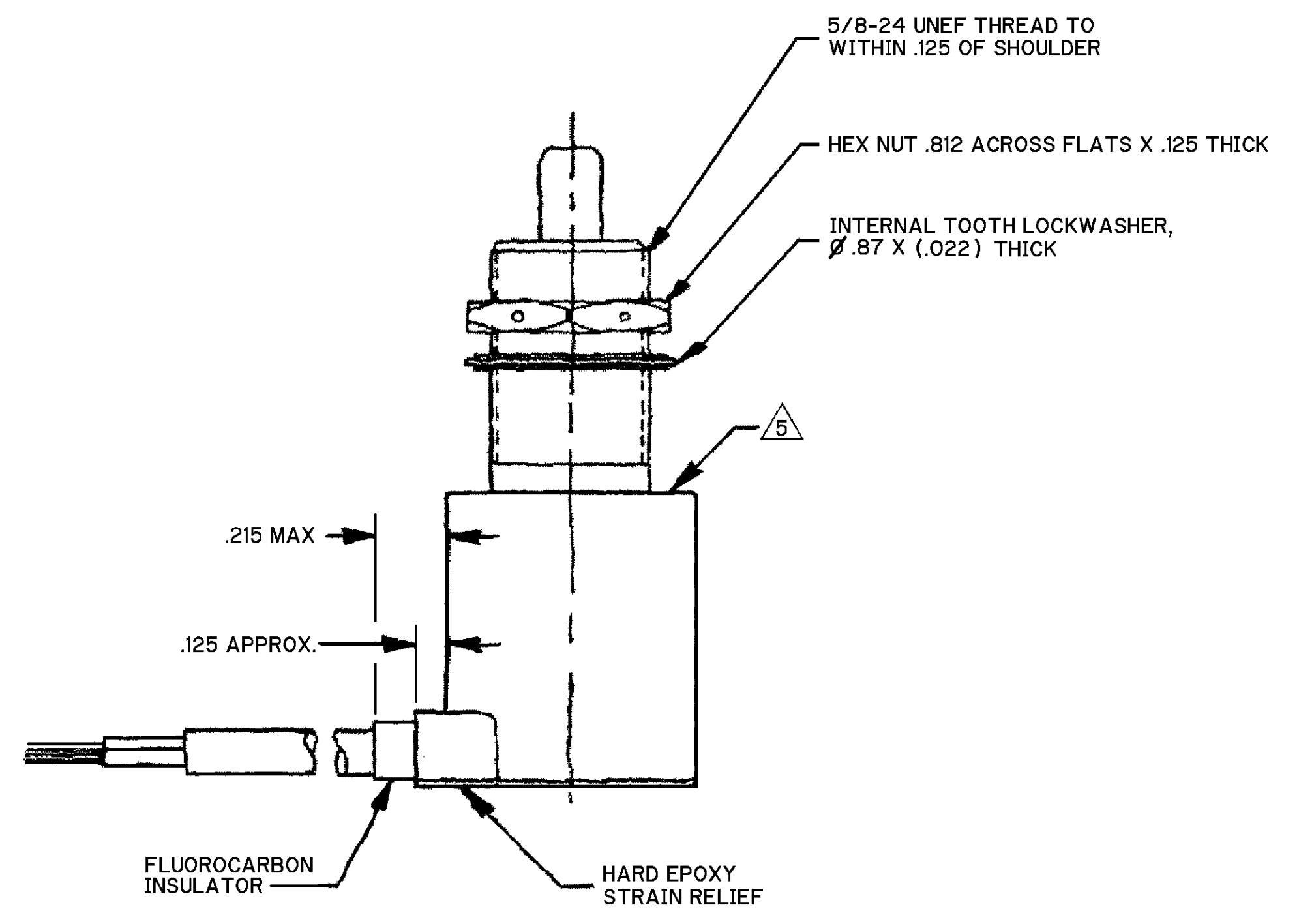
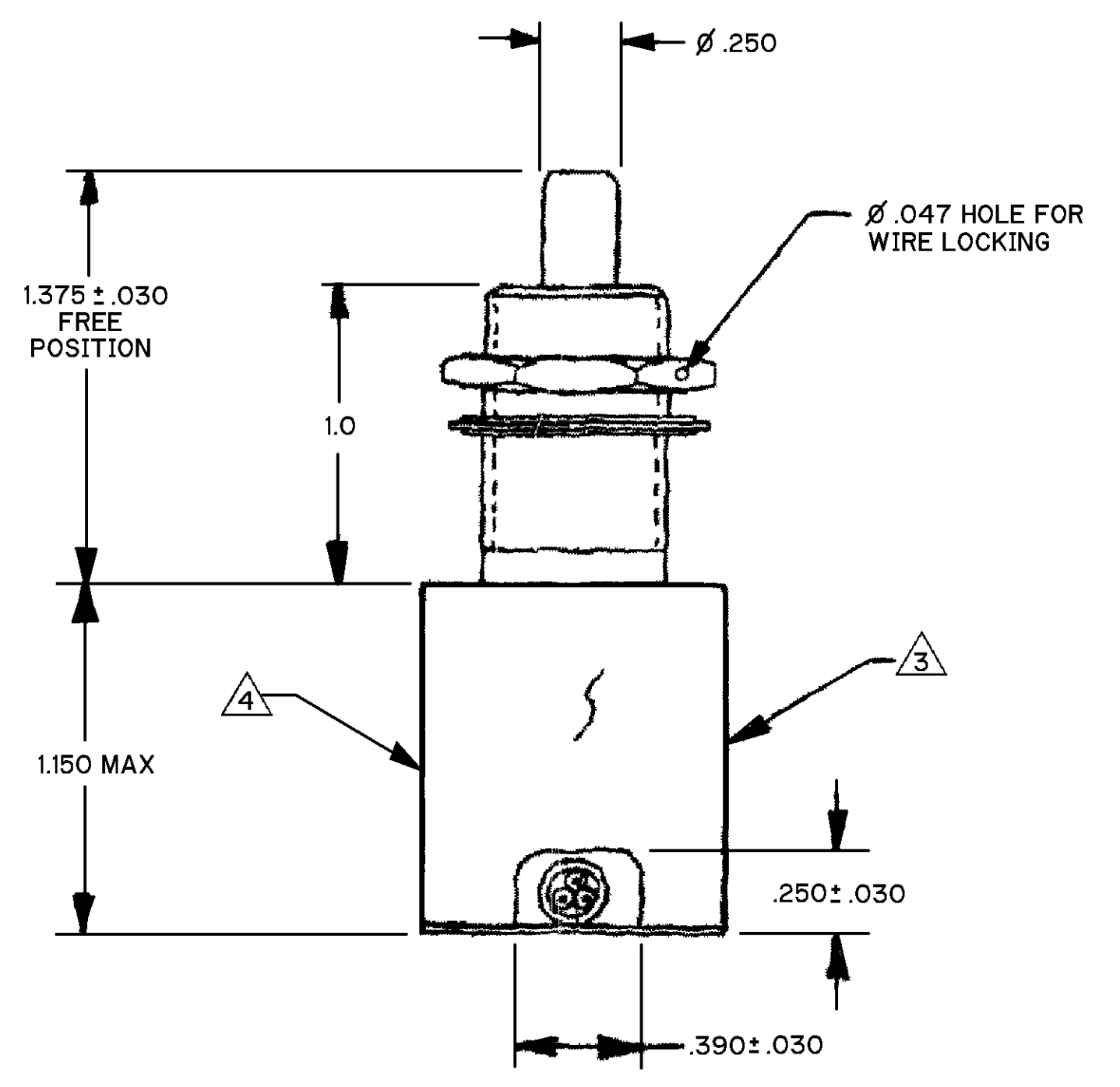
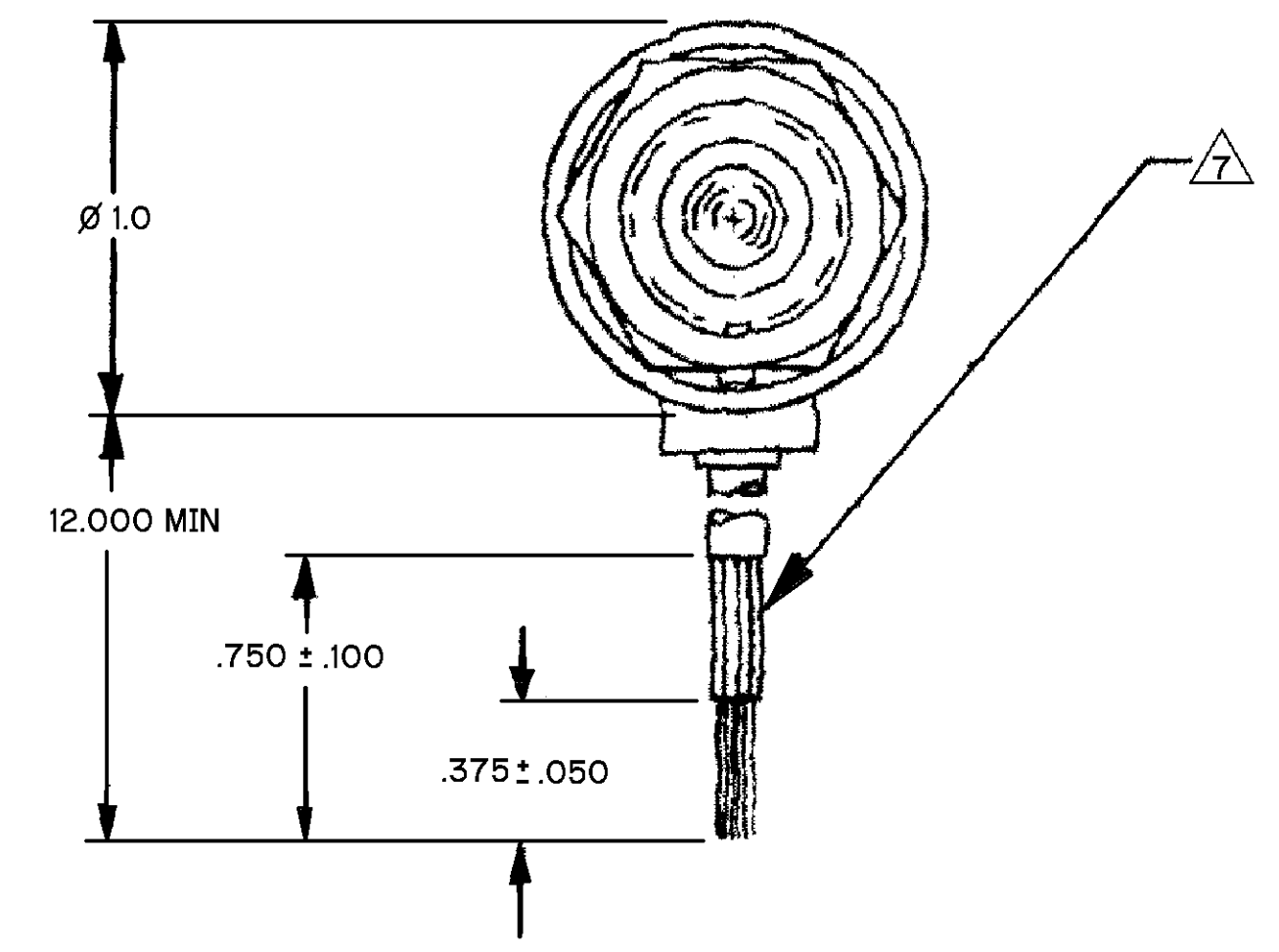
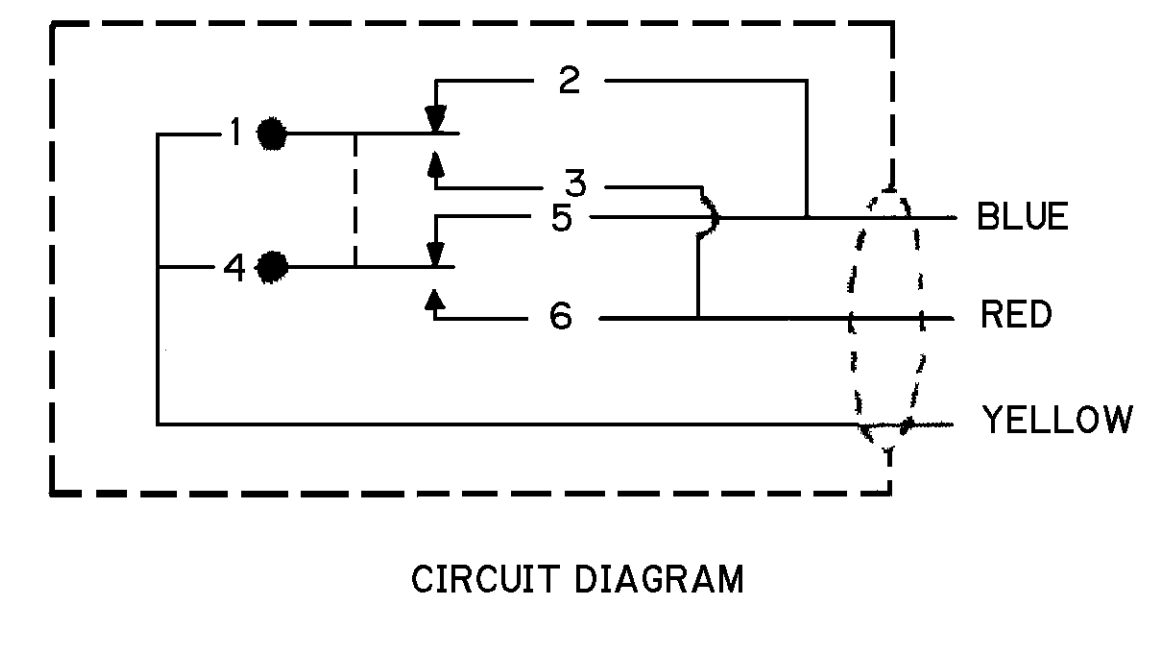


SPECIFICATION DETAILS:													
STANDARD	CONFORMS TO MS24331-1 (MIL-S-8805/40) EXCEPT AS NOTED												
CONSTRUCTION:													
ENCLOSURE DESIGN	RESILIENT SEAL PER MIL-S-8805, SYMBOL 4												
CONTACT MATERIAL & CONFIGURATION	SMOOTH SILVER CONTACTS												
CIRCUIT CONFIGURATION	1 SPDT (WIRED REDUNDANT)												
TERMINATION	LEAD WIRE PER MARTIN MARIETTA SPEC												
WEIGHT	4 OZ MAX STM E637-22GS39												
EXPOSED METALS	CORROSION RESISTANT STAINLESS STEEL												
ELECTRICAL CHARACTERISTICS:													
ELECTRICAL RATINGS:													
	<table border="1"> <thead> <tr> <th>VOLTAGE</th> <th>RESISTIVE</th> <th>INDUCTIVE</th> <th>MOTOR</th> </tr> </thead> <tbody> <tr> <td>-SEA LEVEL</td> <td>28 VDC</td> <td>4A</td> <td>4A</td> </tr> <tr> <td>-50,000 FEET</td> <td>28 VDC</td> <td>4A</td> <td>4A</td> </tr> </tbody> </table>	VOLTAGE	RESISTIVE	INDUCTIVE	MOTOR	-SEA LEVEL	28 VDC	4A	4A	-50,000 FEET	28 VDC	4A	4A
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-SEA LEVEL	28 VDC	4A	4A										
-50,000 FEET	28 VDC	4A	4A										
DIELECTRIC STRENGTH & INSULATION RES													
	<table border="1"> <thead> <tr> <th>DIELECTRIC STRENGTH</th> <th>INSULATION RESISTANCE</th> </tr> <tr> <td>(≈ 60 Hz FOR 5 SECONDS)</td> <td>(500 VDC ± 10%)</td> </tr> </thead> <tbody> <tr> <td>-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL</td> <td>1000 V Rms, 500 μ A (MAX LEAKAGE) 1000 Megohm MIN</td> </tr> <tr> <td>-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS</td> <td>1000 V Rms, 500 μ A (MAX LEAKAGE) 1000 Megohm MIN</td> </tr> <tr> <td>-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE</td> <td>1000 V Rms, 500 μ A (MAX LEAKAGE) 1000 Megohm MIN</td> </tr> </tbody> </table>	DIELECTRIC STRENGTH	INSULATION RESISTANCE	(≈ 60 Hz FOR 5 SECONDS)	(500 VDC ± 10%)	-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL	1000 V Rms, 500 μ A (MAX LEAKAGE) 1000 Megohm MIN	-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS	1000 V Rms, 500 μ A (MAX LEAKAGE) 1000 Megohm MIN	-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000 V Rms, 500 μ A (MAX LEAKAGE) 1000 Megohm MIN		
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-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000 V Rms, 500 μ A (MAX LEAKAGE) 1000 Megohm MIN												
SWITCH RESISTANCE	N/A												
RECOMMENDATION OR USE IN APPL LESS THAN .5 amps AND/OR 12 volts	NO ⚠												
MECHANICAL CHARACTERISTICS:													
OPERATING FORCE	6-12 LBS												
FULL OVERTRAVEL FORCE	30 LB MAX												
RELEASE FORCE	4 LB MIN												
PRETRAVEL	.010 MIN - .040 MAX												
DIFFERENTIAL TRAVEL	.010 MAX												
OVERTRAVEL	.250 MIN												
MOUNTING STRENGTH	15 IN-LBS												
ACTUATING STRENGTH	30 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH ACTUATION												
LIFE:													
MECHANICAL LIFE	25,000 MIN PER MIL-S-8805/40 ⚠												
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN PER MIL-S-8805/40 ⚠												
ENVIRONMENTAL:													
TEMPERATURE RANGE	-55 C° TO +85 C°												
ALTITUDE RANGE	SEA LEVEL TO 50,000 FT												
SHOCK	PER MIL-S-8805 SYMBOL M-100g												
VIBRATION	PER MIL-S-8805 SYMBOL 1- 10-500 Hz & 10g PEAK												
MOISTURE RESISTANCE	PER MIL-S-8805												
THERMAL SHOCK	PER MIL-S-8805												
SALT SPRAY	PER MIL-S-8805												



- NOTES
- ⚠ LIFE RATINGS ARE PER MIL-S-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
  - ⚠ CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
  - ⚠ CIRCUIT IDENTIFICATION PERMANENTLY MARKED ON SIDE OF HOUSING
  - ⚠ CATALOG LISTING 1EN301-1. MICRO IDENTIFICATION, CONTACT RATING AND CUSTOMER PART NO. ST7ID23-1 PERMANENTLY MARKED ON HOUSING
  - ⚠ THIS SURFACE NEED NOT BE FREE OF WELD MARKS
  - ⚠ HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805
  - ⚠ THREE CONDUCTOR CABLE, FLUORINATED ETHYLENE PROPYLENE JACKET, SHIELDED CONDUCTORS, LAMINATED POLYIMIDE FEP TEFLON TAPE, COLOR CODED, BLUE, RED, AND YELLOW PER MARTIN MARIETTA SPEC STM E637-22GS39

DRAWING NUMBER 1EN301-1  
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 REVISIONS  
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 ZV 13 JUN 69  
 ZV 13 JUN 69  
 ZW 13 JUN 69  
 ZX 13 JUN 69  
 ZY 13 JUN 69  
 ZZ 13 JUN 69

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FED. MFG. CODE 91929

**MICRO SWITCH**  
a Honeywell Division

SWITCH - ENCLOSED

CATALOG LISTING  
**1EN301-1**

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES		±

WEIGHT 4 OZ MAX

MASTER REDUCED  
ANSI Y14.5M-1982 APPLIES