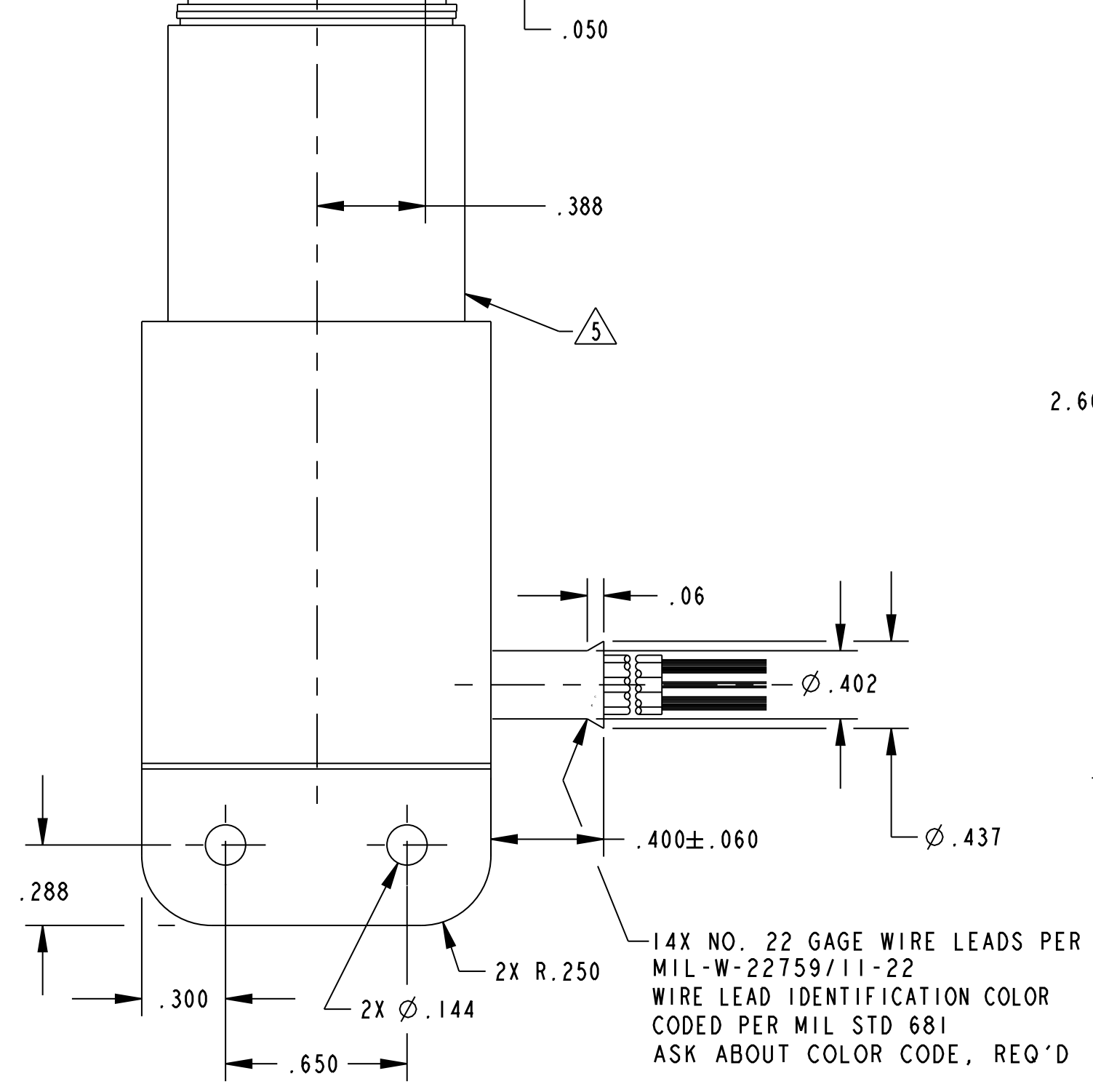
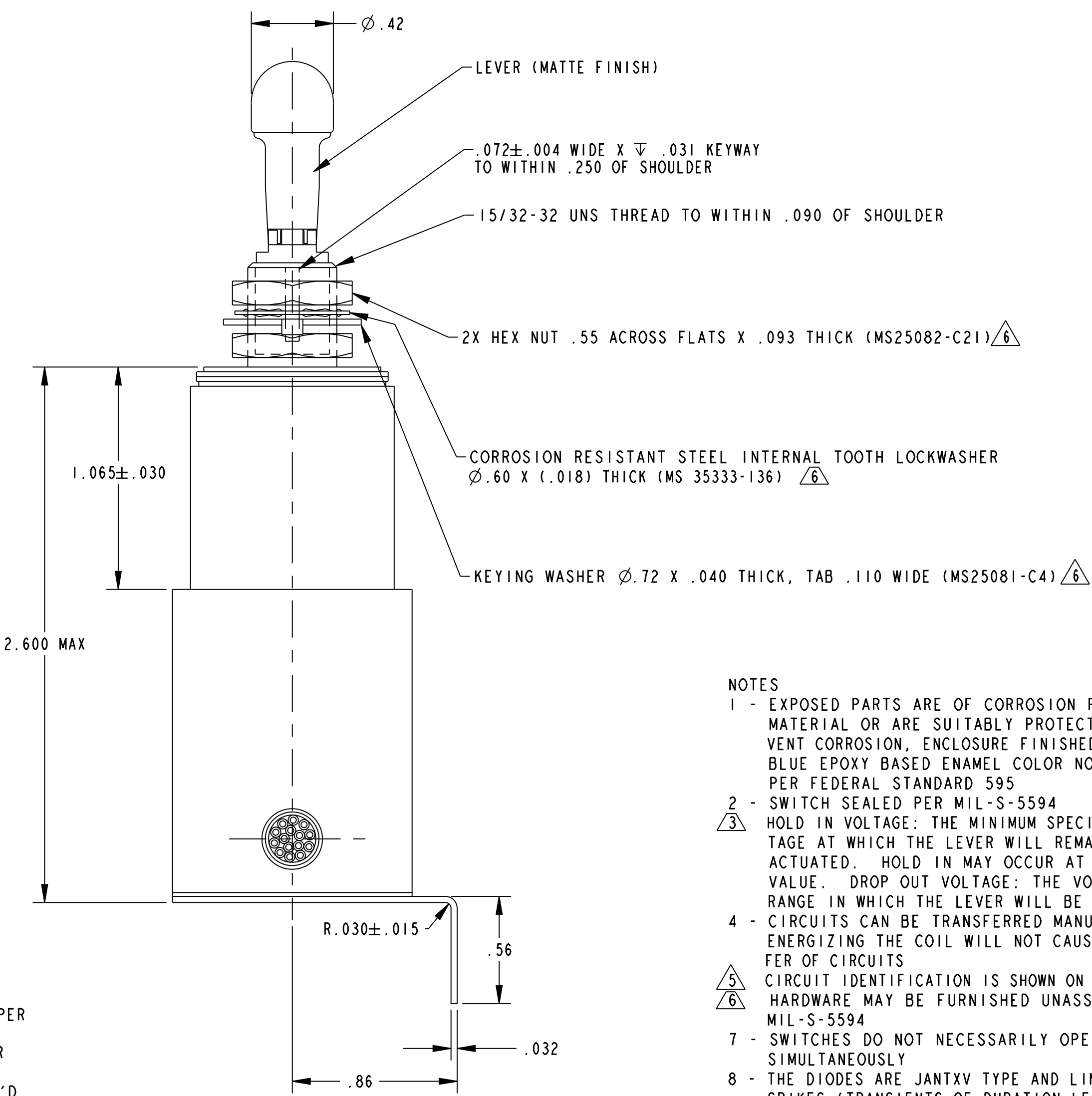
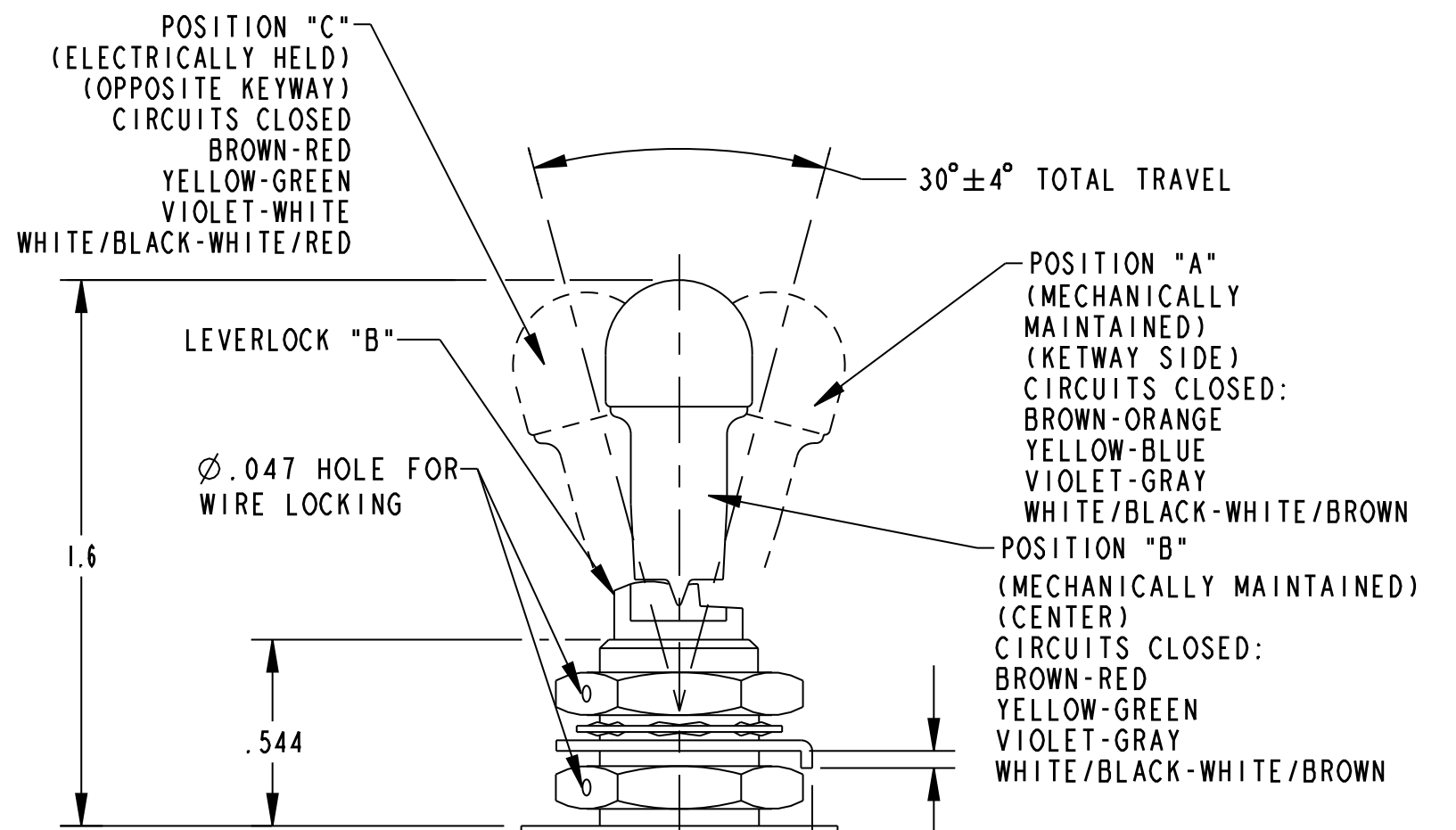
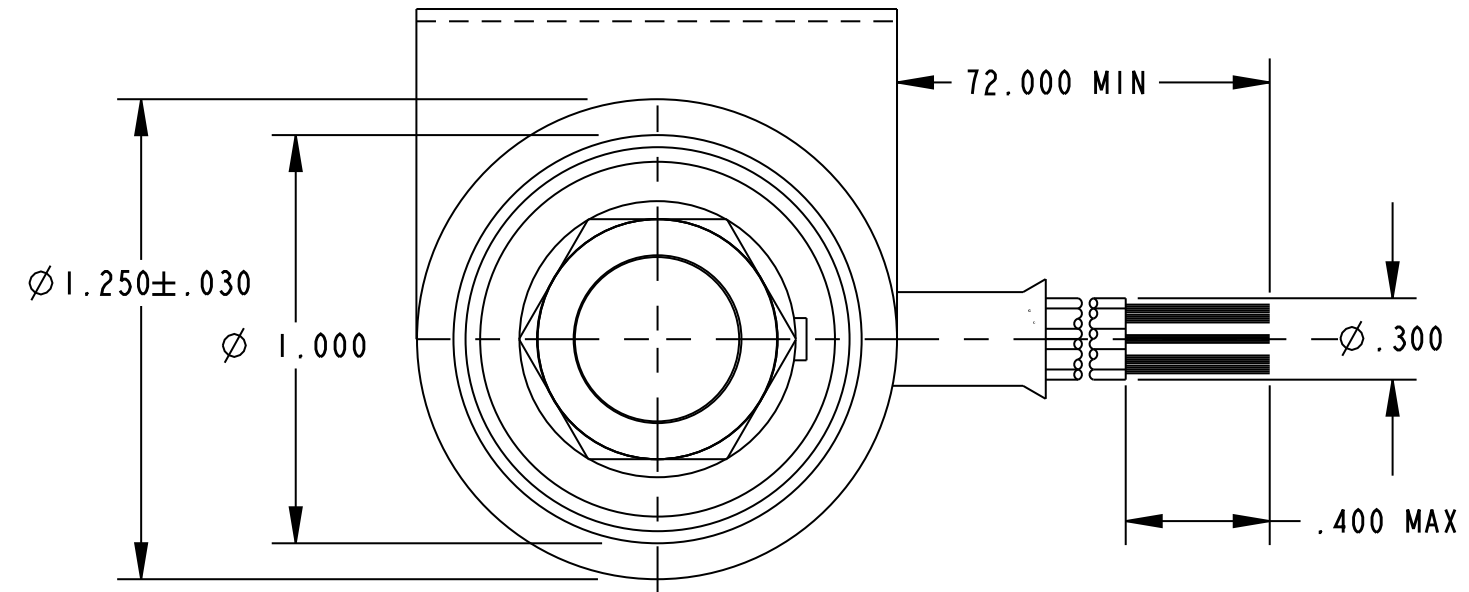
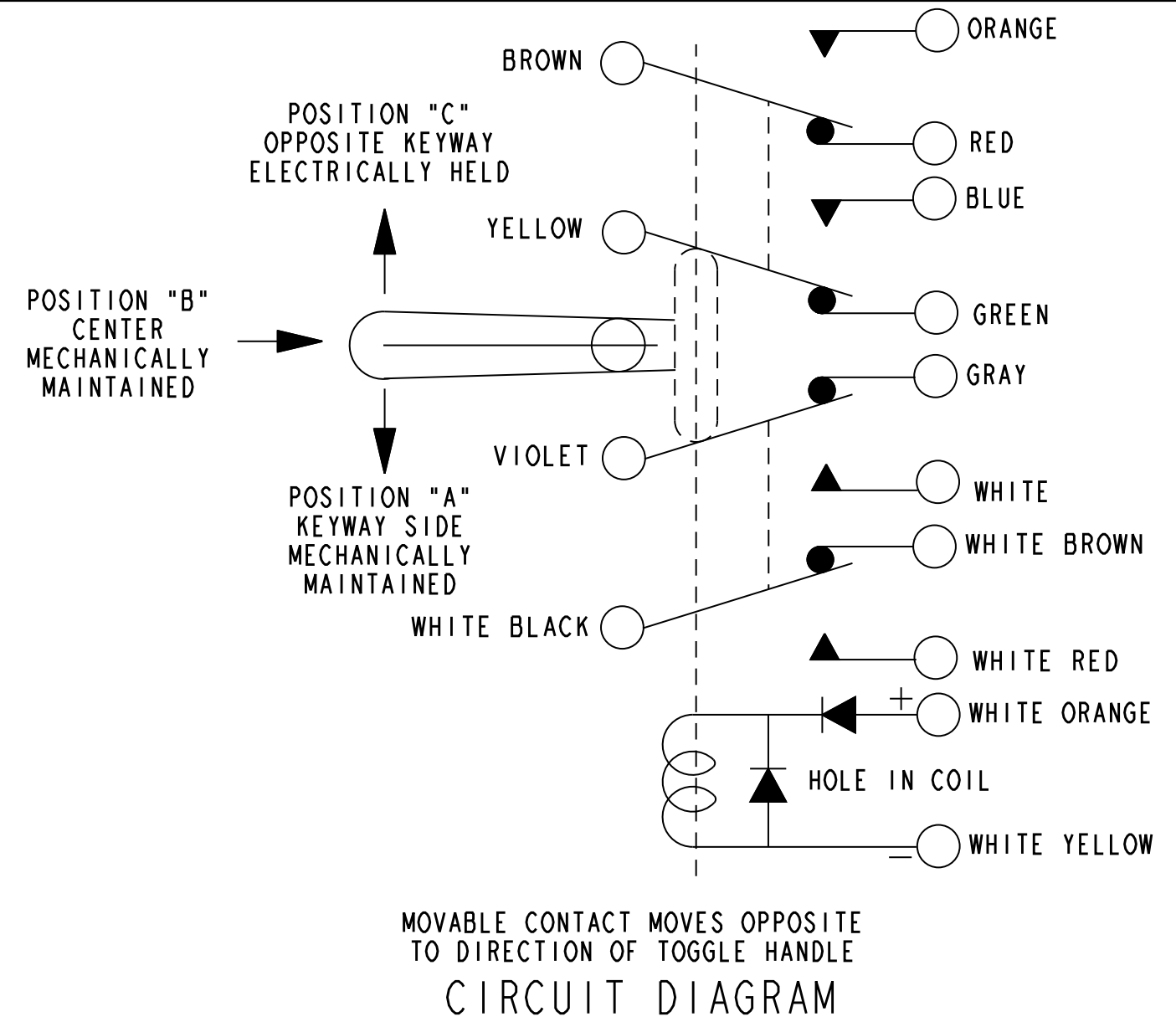


SPECIFICATION DETAILS:	
STANDARD:	CONFORMS TO MIL-S-5594
CONSTRUCTION:	
ENCLOSURE DESIGN:	SEALED TO 1 X 10 ⁻⁶ ATM*CC/S PER MIL-S-5594 PARA. 3.12 & 4.9.8
SEAL MATERIAL:	SILICONE RUBBER
CONTACT MATERIAL & CONFIGURATION:	SMOOTH GOLD PLATED SILVER CONTACTS ∇ 5
CIRCUIT CONFIGURATION:	4X S P D T
TERMINATION:	SIDE EXIT LEADWIRES
WEIGHT:	
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 1 A
-65,000 FEET	28 VDC .5 A 1 A
DIELECTRIC STRENGTH & INSULATION RES	DIELECTRIC STRENGTH INSULATION RESISTANCE
-BETWEEN ALL TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL OR GROUNDED PARTS	\approx 60 Hz FOR 5 SEC) 1000V RMS, 1000 μ A (MAX LKG) N/A
-BETWEEN ALL TERMINALS OF MUTUALLY INSULATED CIRCUITS, INCLUDING BETWEEN POLES	1000V RMS, 1000 μ A (MAX LKG) N/A
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000V RMS, 1000 μ 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	15 VDC
DROP OUT VOLTAGE	0-15 VDC
OPERATING FORCE AT 30 VDC	2-7 lb
OVERRIDE FORCE AT 30 VDC	2.5-10 lb
SOLENOID RESISTANCE AT 30 VDC AND 68° F (20° C)	220 OHMS MIN
MOUNTING STRENGTH	15 lbf-IN (1.7 NM) MAX
ACTUATING STRENGTH	25 lbf (111.2N) PER MIL-S-5594 PARA. 3.8 & 4.9.4.A 15 lbf (66.7N) PER MIL-S-5594 PARA. 3.8 & 4.9.4.B
LIFE:	
MECHANICAL LIFE	40,000 CYCLES MIN PER MIL-S-5594 PARA. 3.10 & 4.9.6
ELECTRICAL LIFE AT FULL RATED LOAD	20,000 CYCLES MIN PER MIL-S-5594 PARA. 3.11 & 4.9.7
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 & 4.9.13
ACCELERATION	PER MIL-S-5594 PARA. 3.15 & 4.9.11
SALT SPRAY	PER MIL-S-5594 PARA. 3.16 & 4.9.12
SAND AND DUST	PER MIL-S-5594 PARA. 3.18 & 4.9.14
EXPLOSION	PER MIL-S-5594 PARA. 3.19 & 4.9.15



- NOTES
- EXPOSED PARTS ARE OF CORROSION RESISTANT MATERIAL OR ARE SUITABLY PROTECTED TO PREVENT CORROSION. ENCLOSURE FINISHED WITH BLUE EPOXY BASED ENAMEL COLOR NO. 25184 PER FEDERAL STANDARD 595
 - SWITCH SEALED PER MIL-S-5594
 - HOLD IN VOLTAGE: THE MINIMUM SPECIFIED VOLTAGE AT WHICH THE LEVER WILL REMAIN ACTUATED. HOLD IN MAY OCCUR AT A LOWER VALUE. DROP OUT VOLTAGE: THE VOLTAGE RANGE IN WHICH THE LEVER WILL BE RELEASED
 - CIRCUITS CAN BE TRANSFERRED MANUALLY. ENERGIZING THE COIL WILL NOT CAUSE TRANSFER OF CIRCUITS
 - CIRCUIT IDENTIFICATION IS SHOWN ON SWITCH
 - HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594
 - SWITCHES DO NOT NECESSARILY OPERATE SIMULTANEOUSLY
 - 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 OR 14 VOLTS ABSOLUTE
 - CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
 - WEIGHT OF SWITCH ONLY IS 8 OZ MAX AND WEIGHT OF SWITCH WITH WIRE LEADS IS 13 OZ MAX

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.

FED. MFG. CODE 91929

MICRO SWITCH
a Honeywell Division

SWITCH - TOGGLE
(MAGNETIC HOLD - IN)

CATALOG LISTING
29ET28-6-B

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

WEIGHT ∇ 10

PTC/CAD 20
GRT 30 JAN 02 check CMH

REVISIONS
A 18137
B 32133
C 205489
D 800021
E 805973

ISSUE 6
DRAWING NUMBER 29ET28-6-B
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