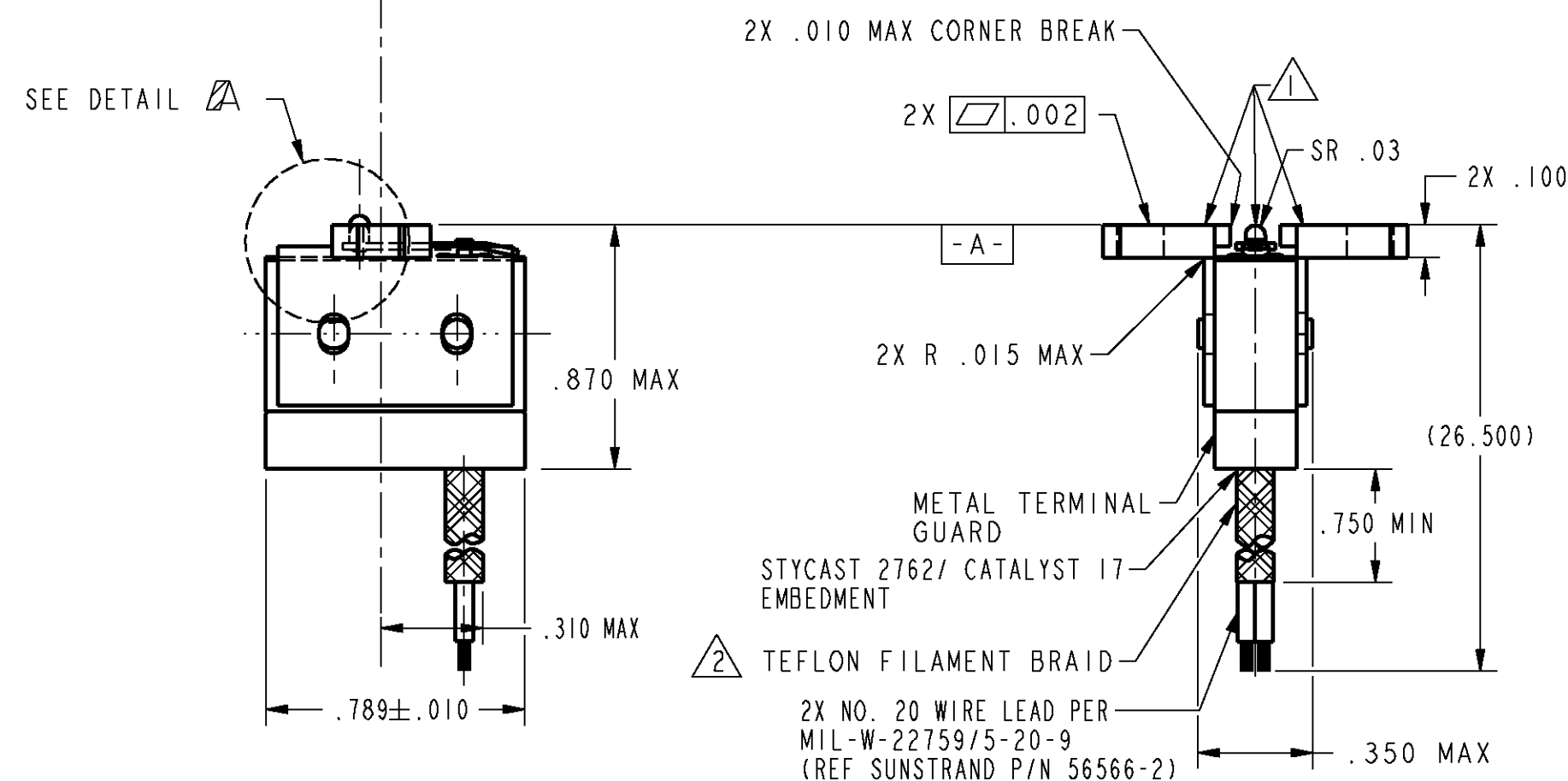
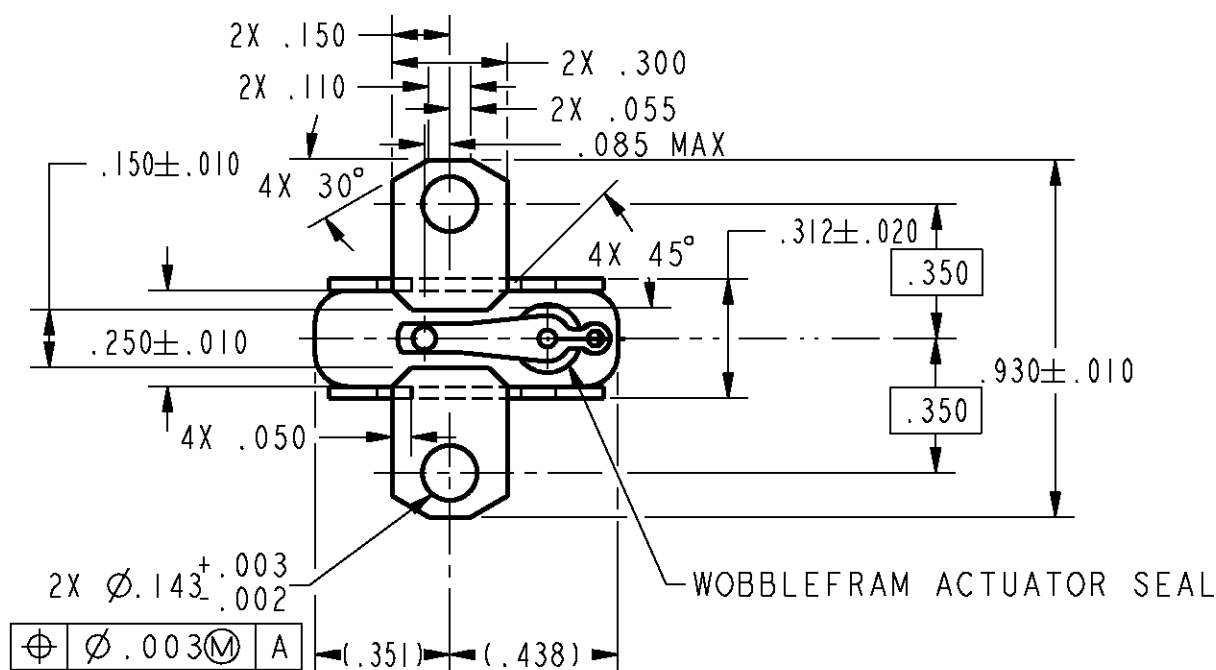
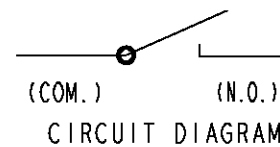
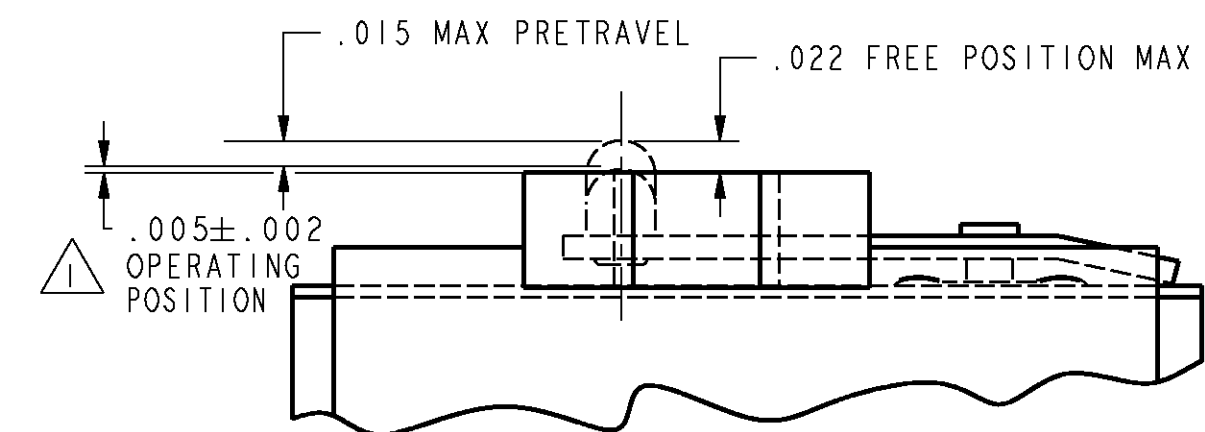




NOTES

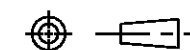
- ① SWITCH LEVER ARM IS COINCIDENT WITH DATUM -A-
 ② AT FULL OVERTRAVEL POSITION
 ③ TEFLON FILAMENT PIGTAIL EMBEDDED IN POTTING
 (REF SUNSTRAND P/N 56566-2)
 ④ CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON
 LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
 LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE
 EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL
 DATA

④ LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS PER MICRO SWITCH TEST PLAN (95% SURVIVAL)	
MECHANICAL LIFE	100,000
ELECTRICAL LIFE AT FULL RATED LOAD	25,000

SPECIFICATION DETAILS:

STANDARD:	CONFORMS TO MS27216-5 (MIL-PRF-8805/8), EXCEPT AS NOTED			
CONSTRUCTION:				
ENCLOSURE DESIGN	HERMETIC SEAL PER MIL-PRF-8805 SYMBOL 5			
CONTACT MATERIAL & CONFIGURATION	SMOOTH SILVER CONTACTS (GOLD PLATED)			
CIRCUIT CONFIGURATION	SPNO			
TERMINATION	LEADWIRE PER MIL-W-22759/5-20-9			
WEIGHT				
O-RING MATERIAL				
EXPOSED METALS	CORROSION RESISTANT STAINLESS STEEL			
ELECTRICAL CHARACTERISTICS:				
ELECTRICAL RATINGS				
-SEA LEVEL TO 70,000 FT	<u>VOLTAGE</u> 28 VDC 115VAC(400Hz)	<u>RESISTIVE</u> 3A 1A	<u>LOAD INDUCTIVE</u> 1A 1A	<u>LAMP</u> 0.2A 0.2A
DIELECTRIC STRENGTH & INSULATION RESISTANCE	<u>DIELECTRIC STRENGTH</u> ≈ 60 Hz. FOR 5 SECONDS)		<u>INSULATION RESISTANCE</u> (500 VDC ±10%)	
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL	1000 V Rms, 500 A (MAX LEAKAGE)		1000 Megohms MIN	
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS	1000 V Rms, 500 A (MAX LEAKAGE)		1000 Megohms MIN	
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000 V Rms, 500 A (MAX LEAKAGE)		1000 Megohms MIN	
SWITCH RESISTANCE	N/A			
RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts <u>3</u>	ACCEPTABLE			
MECHANICAL CHARACTERISTICS:				
CHARACTERISTICS:				
OPERATING FORCE	7 OZ MAX			
RELEASE FORCE	1 OZ MIN			
PRETRAVEL	.015 MAX			
DIFFERENTIAL TRAVEL	.006 MAX			
OVERTRAVEL	.003 MIN			
MOUNTING STRENGTH	N/A			
ACTUATOR STRENGTH	3 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH ACTUATION			
LIFE:				
MECHANICAL LIFE	25,000 MIN. PER MIL-PRF-8805/8 <u>4</u>			
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN. PER MIL-PRF-8805/8 <u>4</u>			
ENVIRONMENTAL:				
TEMPERATURE RANGE	-85° F TO + 400° F (65°C TO +204°C)			
ALTITUDE RANGE	SEA LEVEL TO 70,000 FEET			
SHOCK	BASIC SWITCH PER MIL-PRF-8805/8 SYMBOL M (100g)			
VIBRATION	BASIC SWITCH PER MIL-8805-PRF-8805/8 SYMBOL 2 (10-2000 Hz, 15g PEAK			
MOISTURE RESISTANCE	PER MIL-PRF-8805/8 (10 DAY TEST)			
THERMAL SHOCK	PER MIL-PRF-8805/8 (5 CYCLE TEST, -65°C TO 125°C)			
SALT SPRAY	PER MIL-PRF-8805/8 (96 HOUR TEST)			

THIRD ANGLE PROJECTION



SCALE 2 : 1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE

ONE PLACE (. 0) $\pm .030$

TWO PLACES (.00) $\pm .015$

THREE PLACES (.000) $\pm .005$

ANGLES	$\pm 2^\circ$
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CATALOG LISTING

MICRO SWITCH
a Honeywell Division

SWITCH-ASSEMBLY

38HM74

FED MEG CODE 81839

ANSI Y14.5M-1982 APPLIES

WEIGHT

Mouser Electronics

Authorized Distributor

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