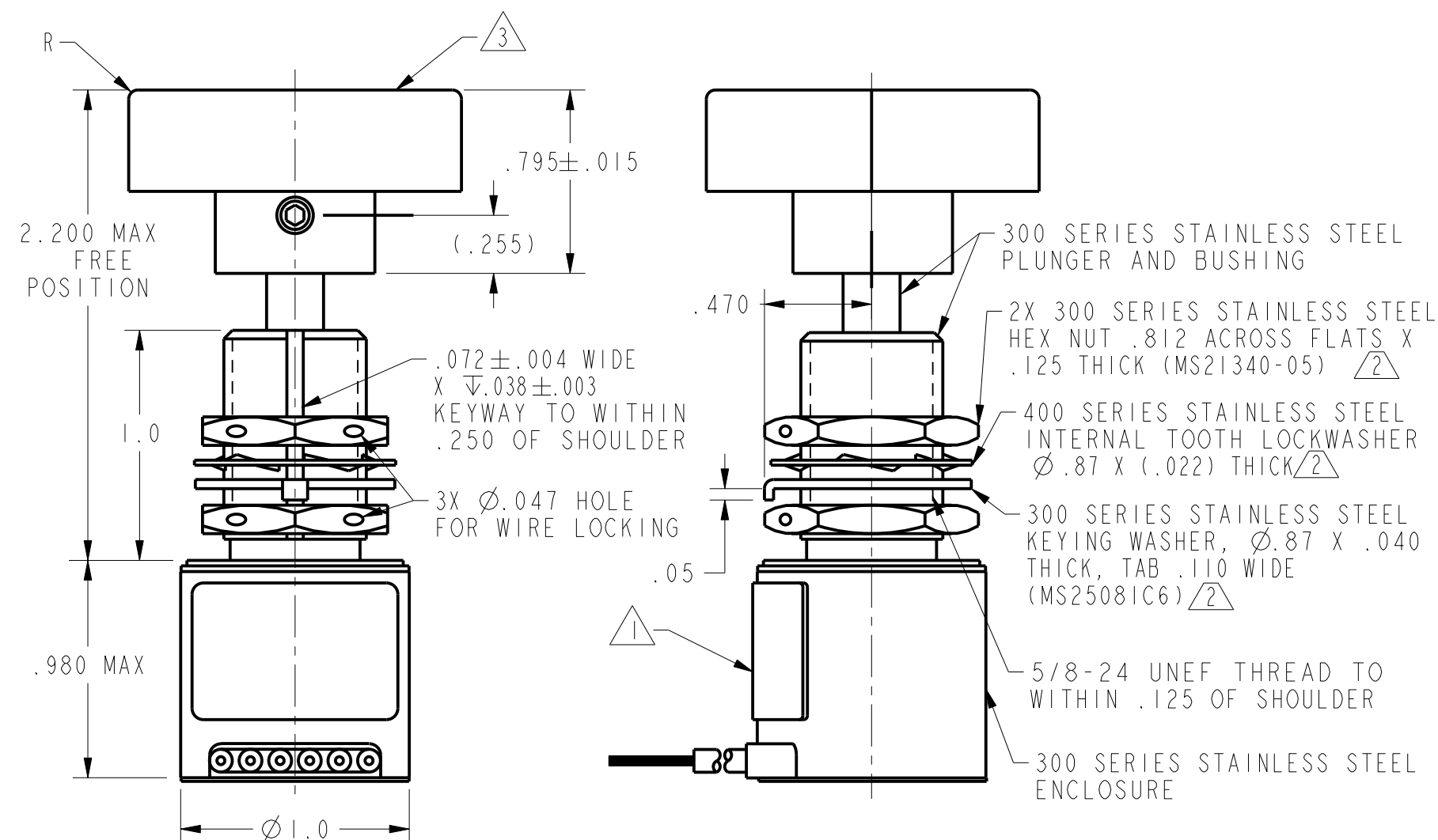
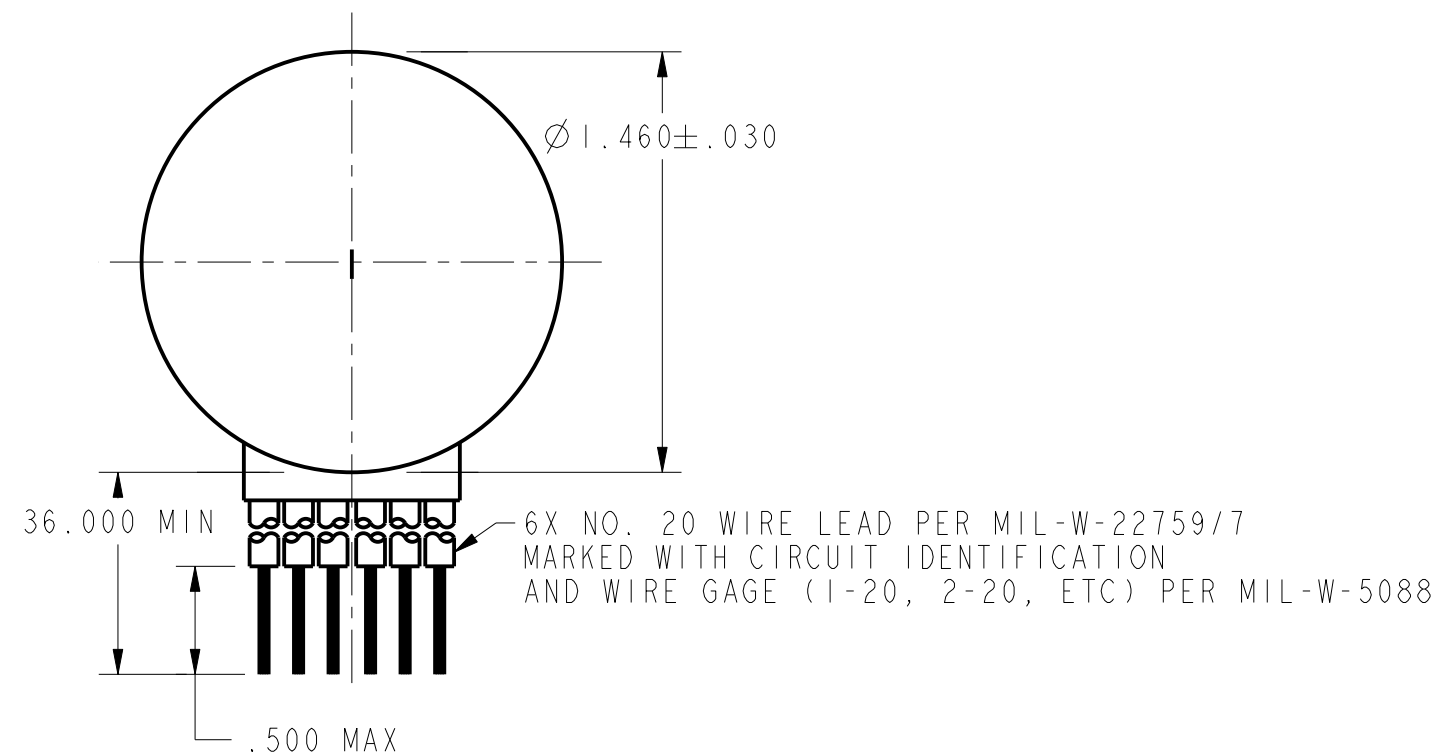


REV	DOCUMENT	CHANGED BY	CHECK
10	0006859	DVM 28JUL04	AK



①	CIRCUIT DIAGRAM, CATALOG LISTING, FSCM CODE, MICRO SWITCH, FAA-PMA AND DATE CODE SHOWN ON SWITCH
②	HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805, REPLACEMENT PACKAGE: 19PA8
③	BLACK NYLON BUTTON AND 8-32UNC-2A X (.125) ZINC-COBALT PLATED SET SCREW FURNISHED UNASSEMBLED. MAX SET SCREW TORQUE VALUE 2 IN-LBS. REPLACEMENT PACKAGE: 15PA292
④	FOR MANUFACTURING DETAIL SEE ASSEMBLY DRAWING IHE48 FOR FAA-PMA

SPECIFICATION DETAILS:				
STANDARD:	SWITCH CONFORMS TO MIL-PRF-8805/80-01 EXCEPT AS NOTED			
CONSTRUCTION:				
ENCLOSURE DESIGN	HERMETIC SEAL PER MIL-PRF-8805, SYMBOL 5			
CONTACT MATERIAL & CONFIGURATION	SMOOTH SILVER CONTACTS			
CIRCUIT CONFIGURATION	2X S P D T			
TERMINATION	LEADWIRES PER MIL-W-22759/7			
WEIGHT	9.1 OZ MAX			
ELECTRICAL CHARACTERISTICS:				
MAXIMUM ELECTRICAL RATINGS				
-SEA LEVEL	<u>VOLTAGE</u> 30 VDC	<u>RESISTIVE</u> 5.0 AMP	<u>INDUCTIVE</u> 3.0 AMP	<u>MOTOR</u> 4.0 AMP
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 μA (MAX LKG)		1000 MEGOHM MIN	
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS	.		.	
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	.		.	
SWITCH RESISTANCE	N/A			
RECOMMENDATION FOR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts	NO			
MECHANICAL CHARACTERISTICS:				
OPERATING FORCE	6-12 LBS			
RELEASE FORCE	4 LBS MIN			
FULL OVERTRAVEL FORCE	30 LB MAX			
PRETRAVEL	.040 MAX			
DIFFERENTIAL TRAVEL	.030 MAX			
FREE POSITION	2.200 MAX			
COINCIDENCE OF OP & REL POINT	.010 MAX OF PLUNGER TRAVEL			
OVERTRAVEL	.250 MIN			
TOTAL TRAVEL	.265 MIN			
MOUNTING STRENGTH	30 IN-LBS MAX WILL NOT CAUSE SWITCH DAMAGE			
ACTUATOR STRENGTH	30 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION			
LIFE:				
MECHANICAL LIFE	100,000 MIN PER MIL-PRF-8805/80			
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN PER MIL-PRF-8805/80			
ENVIRONMENTAL: (BUTTON NOT INCLUDED)				
TEMPERATURE RANGE	-55° C (-65° F) TO +125° C (257° F)			
ALTITUDE RANGE	SEA LEVEL TO 100,000 FEET			
SHOCK	PER MIL-PRF-8805 (200g)			
VIBRATION	PER MIL-PRF-8805 SYMBOL 2 (10-2000 Hz, 20g)			
MOISTURE RESISTANCE	PER MIL-PRF-8805 (10 DAY TEST)			
THERMAL SHOCK	PER MIL-PRF-8805 (5 CYCLE TEST)			
SALT SPRAY	PER MIL-PRF-8805 (96 HOUR TEST)			

DESIGN UNITS: INCH TOLERANCES UNLESS NOTED:			DRAWN		TSM		01NOV00		Honeywell				
			CHECK		SAV		01NOV00						
NO PLACE			X		±				TITLE SWITCH - ENCLOSED				
ONE PLACE			.X		±		.030						
TWO PLACE			.XX		±		.015						
THREE PLACE			.XXX		±		.005						
FOUR PLACE			.XXXX		±								
ANGLES			X		±								
THIRD ANGLE PROJECTION			INTERPRET PER ANSI Y14.5M-1982 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY						SIZE	TYPE	DRAWING NAME		REV
									C	I	1HE48		10
			Pro/ENGINEER			2D		SCALE 1:5:1		SHEET 1 OF 1			