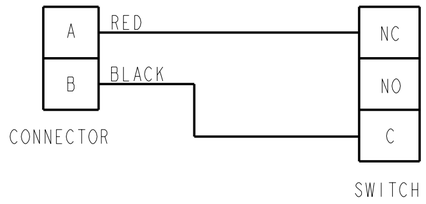
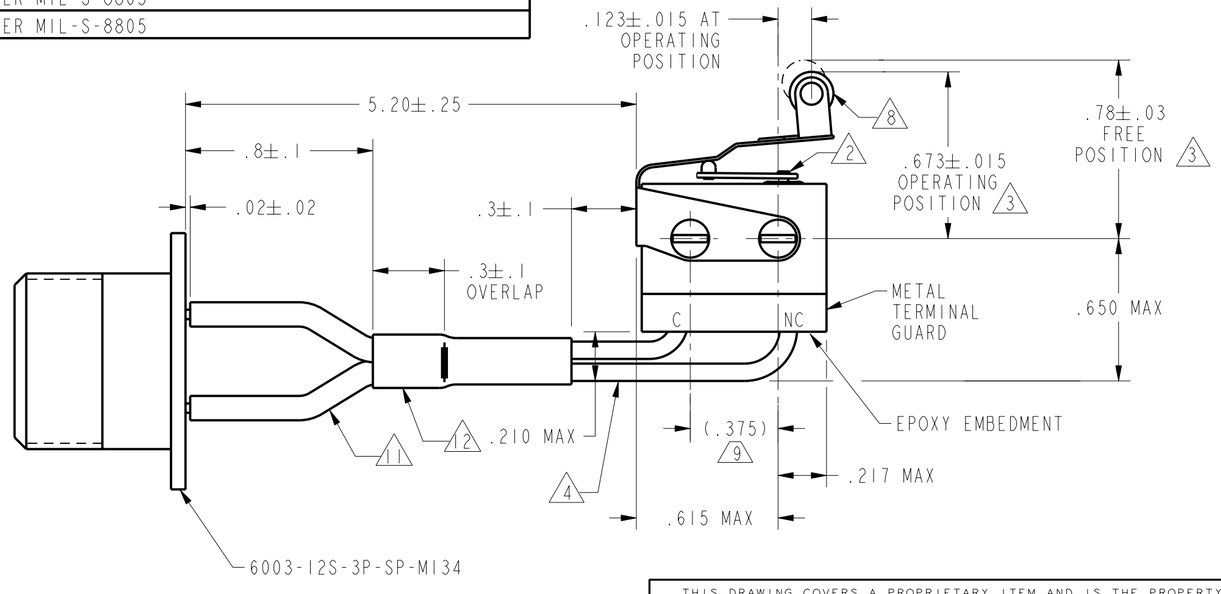
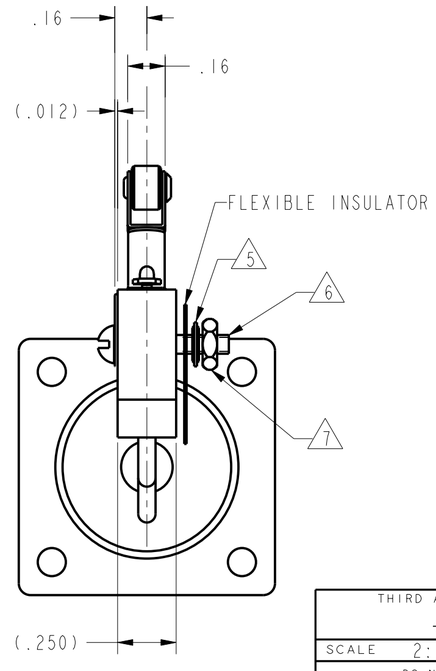
SPECIFICATION DETAILS:				
STANDARD:	△13			
CONSTRUCTION:				
ENCLOSURE DESIGN	HERMETIC SEAL			
CONTACT MATERIAL & CONFIGURATION	SILVER			
CIRCUIT CONFIGURATION	SEE CIRCUIT DIAGRAM			
TERMINATION	SEE DRAWING			
WEIGHT				
EXPOSED METALS	CORROSION RESISTANT STAINLESS STEEL			
ELECTRICAL CHARACTERISTICS:				
CONTACT ARRANGEMENT	S.P.N.C.			
ELECTRICAL RATINGS -SEA LEVEL -70,000 FEET	LOAD	SEA LEVEL 28 VDC	SEA LEVEL 115 VAC, 400 CPS	70,000 FT 28 VDC
	RESISTIVE	4 AMP	2 AMP	4 AMP
	INDUCTIVE	2 AMP	2 AMP	2 AMP
	LAMP	1 AMP	.5 AMP	1 AMP
DIELECTRIC STRENGTH & INSULATION RES (BASIC SWITCH) -BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL -BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS -BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	DIELECTRIC STRENGTH (≈ 60 Hz FOR 5 SECONDS)		INSULATION RESISTANCE (500 VDC ±10%)	
	1000 V Rms, 500 μ A (MAX LEAKAGE)		1000 Megohm MIN	
	1000 V Rms, 500 μ A (MAX LEAKAGE)		1000 Megohm MIN	
	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	N/A △14			
MECHANICAL CHARACTERISTICS:				
OPERATING FORCE	9 OZ MAX			
RELEASE FORCE	2 OZ MIN			
DIFFERENTIAL TRAVEL	.030 MAX			
OVERTRAVEL	.030 MIN			
MOUNTING STRENGTH	N/A			
LIFE:	△13			
MECHENICAL LIFE	25,000 MIN			
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN			
ENVIRONMENTAL:				
TEMPERATURE RANGE	-65°F TO +250°F			
ALTITUDE RANGE	SEA LEVEL TO 70,000 FT			
SHOCK △13	PER MIL-S-8805 SYMBOL M-100g			
VIBRATION △13	PER MIL-S-8805 SYMBOL 2 - 10-2000 Hz & 15g PEAK			
MOISTURE RESISTANCE △13	PER MIL-S-8805			
THERMAL SHOCK △13	PER MIL-S-8805			
SALT SPRAY △13	PER MIL-S-8805			



CIRCUIT DIAGRAM

NOTES
1 - UNIT INCLUDES 2HM SERIES TYPE BASIC SWITCH WITH ACTUATOR ASSEMBLED
△2 ADJUSTMENT CAUTION: DO NOT ALLOW ACTUATOR LEAF TO COME IN CONTACT WITH FIXED END OF HM LEVER, SEAL DAMAGE MAY OCCUR
△3 LEAF ACTUATOR ADJUSTED TO MEET SPECIFIED OPERATING POSITION PRIOR TO DELIVERY. DISASSEMBLY AND SUBSEQUENT REASSEMBLY MAY ALTER THIS CONDITION
△4 2X NO. 18 WIRE LEAD PER MIL-W-22759/11 (RED N.C., BLACK COM.)
△5 2X CORROSION RESISTANT STEEL LOCKWASHER
△6 2X 2-56 UNC X .500 CORROSION RESISTANT STEEL ROUND HEAD MACHINE SCREW
△7 2X 2-56 UNC CORROSION RESISTANT STEEL HEX NUT
△8 Ø.19 X .12 WIDE CORROSION RESISTANT STEEL ROLLER (CONCENTRICITY .005 FIM)
△9 HOLES THROUGH ACTUATOR WILL SIMULTANEOUS ACCEPT Ø.087 MIN PINS ON .375±.002 CENTERS
10 - INSULATION RESISTANCE BETWEEN EITHER PIN AND CONNECTOR SHELL MUST BE 100 MEGOHMS MIN AT 500 VDC
△11 2X HEAT SHRINK TUBING PER M23053/12-312-C OR EQUIVALENT
△12 HEAT SHRINK TUBING PER M23053/12-325-C OR EQUIVALENT
△13 BASIC SWITCH IS CATEGORY II DEVICE PER MIL-S-8805/8
△14 CONTACT HONEYWELL/MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS





ANSI Y14.5M-1982 APPLIES

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MICRO SWITCH a Honeywell Division
FED. MFG. CODE 91929

SWITCH AND CONNECTOR ASSEMBLY

CATALOG LISTING
38HM43

THIRD ANGLE PROJECTION
SCALE 2:1
DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

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

WEIGHT

38HM43
PAGE 1 OF 1
RELEASE NO. PR-22237
REPLACES X100581-HM
DRAWING NUMBER
ISSUE 6
DRAWN CSL 6 MAR 03
CHECK
SAV 6 MAR 03
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REVISIONS
A 207593 CSL 6 MAR 03
PTC/CAD 2D