

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.D.T.			
ELECTRICAL RATINGS		LOAD	SEA LEVEL	70,000 FT	
			28 VDC	28 VDC	
			115 VAC, 400 CPS		
-SEA LEVEL		RESISTIVE	4 AMP	2 AMP	4 AMP
-70,000 FEET		INDUCTIVE	2 AMP	2 AMP	2 AMP
		LAMP	1 AMP	.5 AMP	1 AMP
DIELECTRIC STRENGTH & INSULATION RES (BASIC SWITCH)		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	
SWITCH RESISTANCE		N/A			
RECOMMENDATION OR USE IN APPL LESS THAN .5 amps AND/OR 12 volts		N/A		4	
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			
MECHANICAL 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			

38HM46

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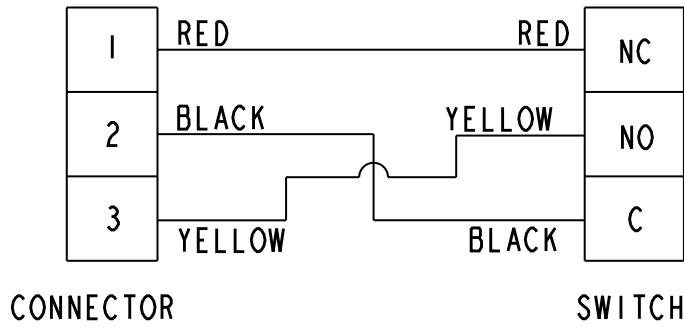
REPLACES

OF

PR-2227

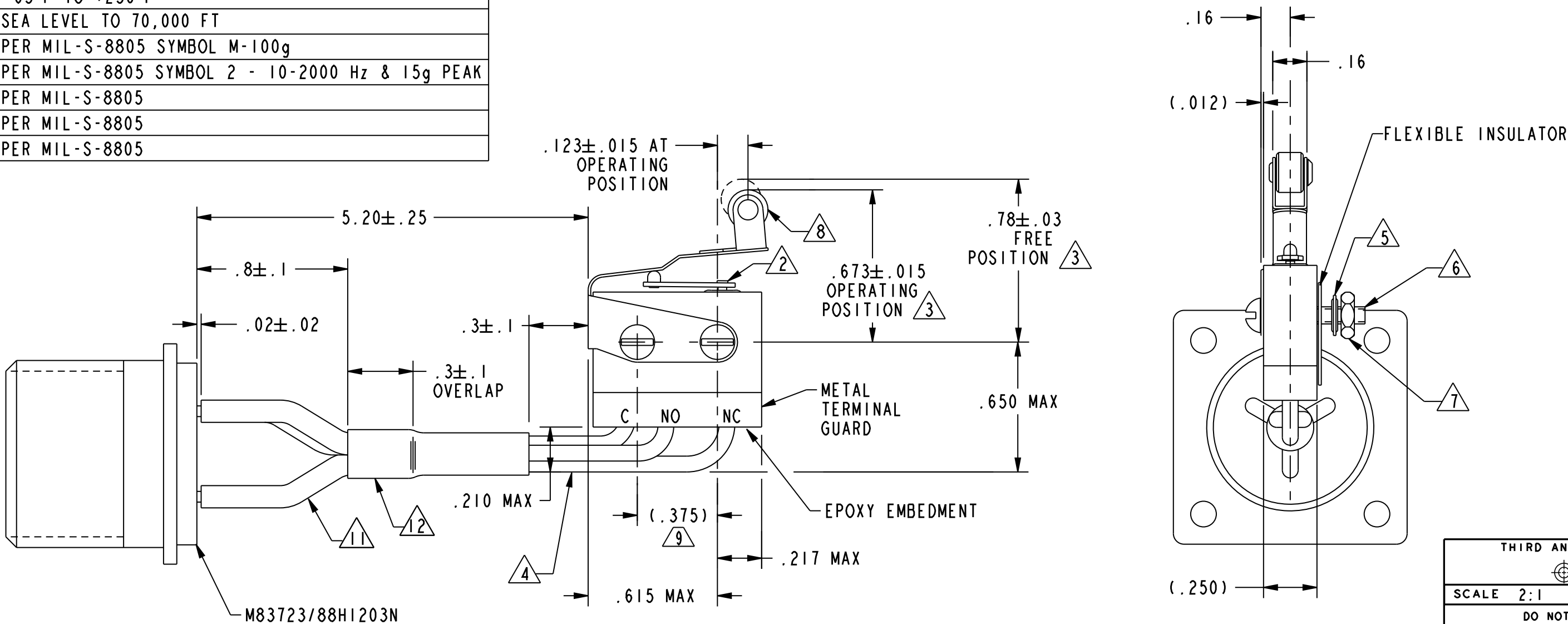
RELEASE

X100923-HM



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 - 3X NO. 18 WIRE LEAD PER MIL-W-22759/11 (RED N.C., BLACK COM. YELLOW N.O.)
 - 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 - 3X 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



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SWITCH AND
CONNECTOR ASSEMBLY

FED. MFG. CODE 91929

CATALOG LISTING
38HM46

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			

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