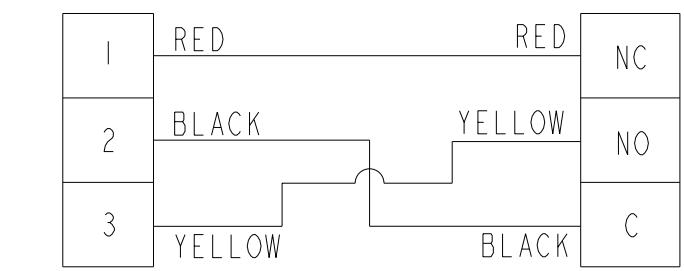


SPECIFICATION DETAILS:																
STANDARD:	13															
CONSTRUCTION:																
ENCLOSURE DESIGN	HERMETIC SEAL															
CONTACT MATERIAL & CONFIGURATION	SILVER															
CIRCUIT CONFIGURATION	SEE CIRCUIT DIAGRAM															
TERMINATION	SEE DRAWING															
WEIGHT																
EXPOSED METALS	CORROSION RESISTANT STAINLESS STEEL															
ELECTRICAL CHARACTERISTICS:																
CONTACT ARRANGEMENT	S.P.N.C.															
ELECTRICAL RATINGS	<table border="1"> <thead> <tr> <th>LOAD</th><th>SEA LEVEL</th><th>70,000 FT</th></tr> <tr> <th></th><th>28 VDC</th><th>115 VAC, 400 CPS</th></tr> </thead> <tbody> <tr> <td>RESISTIVE</td><td>4 AMP</td><td>2 AMP</td></tr> <tr> <td>INDUCTIVE</td><td>2 AMP</td><td>2 AMP</td></tr> <tr> <td>LAMP</td><td>1 AMP</td><td>.5 AMP</td></tr> </tbody> </table>	LOAD	SEA LEVEL	70,000 FT		28 VDC	115 VAC, 400 CPS	RESISTIVE	4 AMP	2 AMP	INDUCTIVE	2 AMP	2 AMP	LAMP	1 AMP	.5 AMP
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DIELECTRIC STRENGTH & INSULATION RES (BASIC SWITCH)	<table> <thead> <tr> <th>DIELECTRIC STRENGTH</th><th>INSULATION RESISTANCE</th></tr> </thead> <tbody> <tr> <td>(\approx 60 Hz FOR 5 SECONDS)</td><td>(500 VDC \pm10%)</td></tr> </tbody> </table>	DIELECTRIC STRENGTH	INSULATION RESISTANCE	(\approx 60 Hz FOR 5 SECONDS)	(500 VDC \pm 10%)											
DIELECTRIC STRENGTH	INSULATION RESISTANCE															
(\approx 60 Hz FOR 5 SECONDS)	(500 VDC \pm 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 14															
MECHANICAL CHARACTERISTICS:																
OPERATING FORCE	9 OZ MAX															
RELEASE FORCE	2 OZ MIN															
DIFFERENTIAL TRAVEL	.030 MAX															
OVERTAKE	.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															



CONNECTOR SWITCH CIRCUIT DIAGRAM

M

38HM45

NOTES

I - 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-22759/1I (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

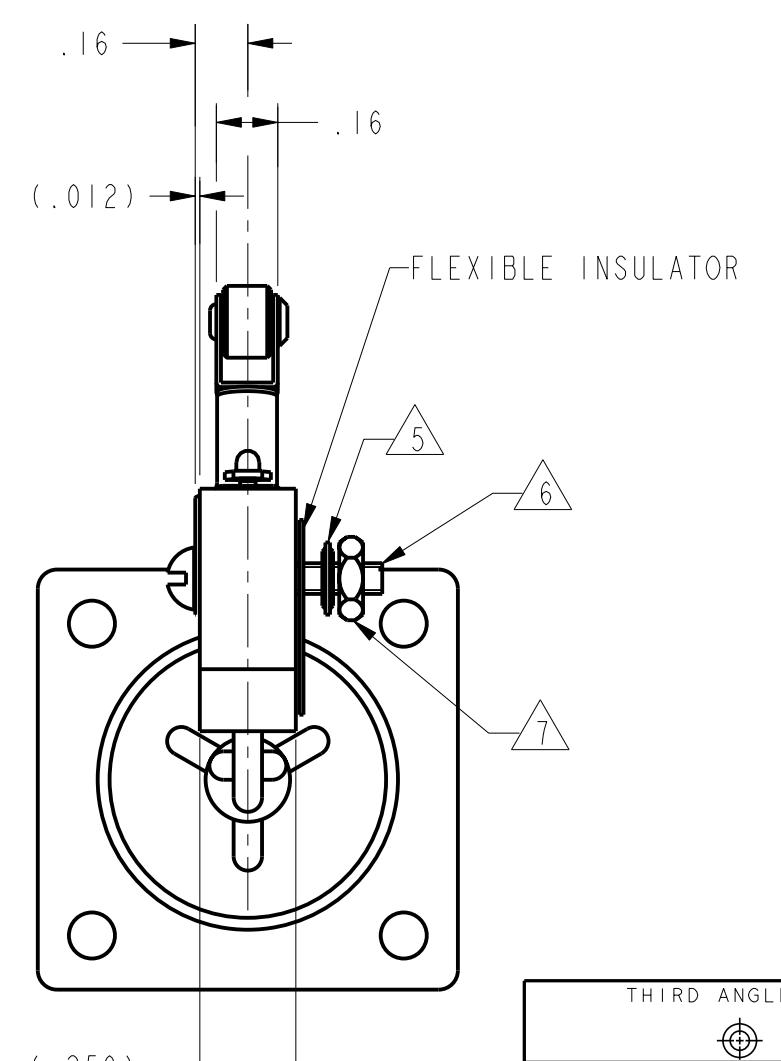
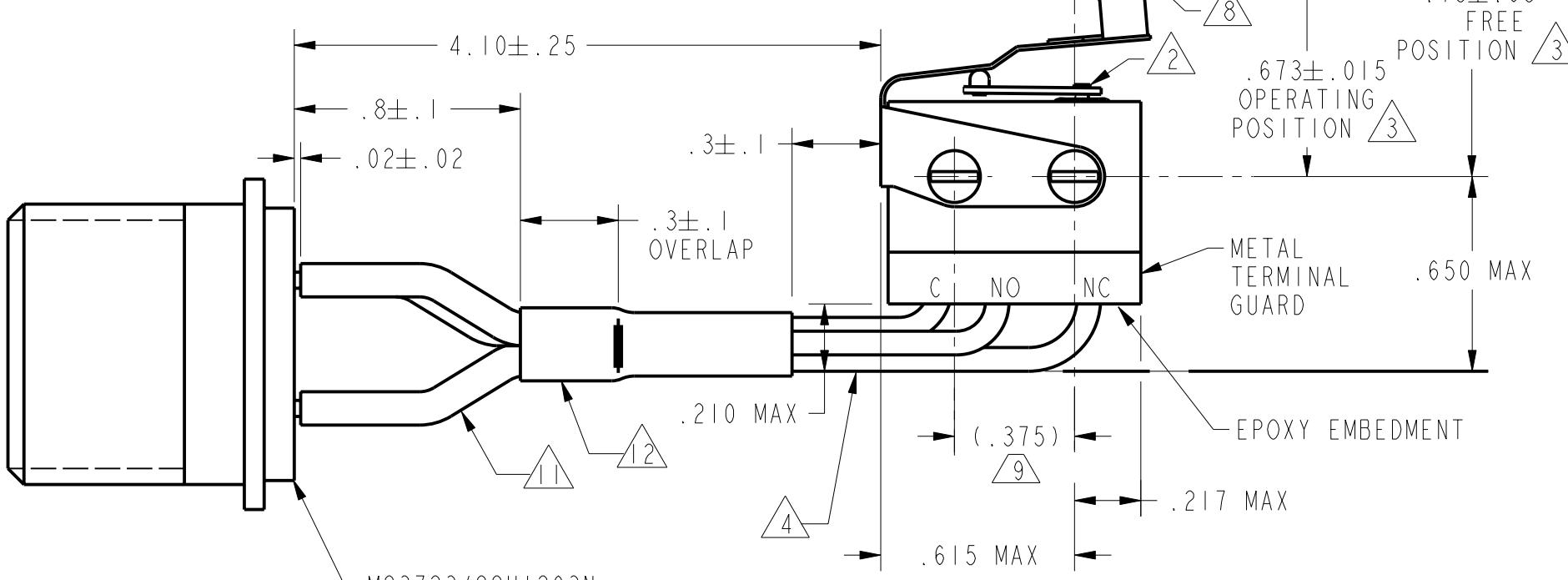
10 - INSULATION RESISTANCE BETWEEN EITHER PIN AND CONNECTOR SHELL MUST BE 100 MEGOHMS MIN AT 500 VDC

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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MICRO SWITCH a Honeywell Division

SWITCH AND CONNECTOR ASSEMBLY

CATALOG LISTING

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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