



CIRCUIT DIAGRAM

SPECIFICATION DETAILS:

STANDARD:	SWITCH CONFORMS TO MS21321-1 EXCEPT AS NOTED	
CONSTRUCTION:	ENCLOSURE DESIGN RESILIENT SEAL PER MIL-PRF-8805, SYMBOL 4 CONTACT MATERIAL & CONFIGURATION PROJECTION SILVER CONTACTS WITH GOLD PLATE CIRCUIT CONFIGURATION 2X S P D T TERMINATION □ 6 WEIGHT 4.0 OZ MAX EXPOSED METALS □ 7	
ELECTRICAL CHARACTERISTICS:		
MAXIMUM ELECTRICAL RATINGS	VOLTAGE	RESISTIVE INDUCTIVE
-SEA LEVEL 28 VDC 7A 2.5A	28 VDC	7A 1.0A
-50,000 FT		
DIELECTRIC STRENGTH & INSULATION RESISTANCE	DIELECTRIC STRENGTH (60 Hz FOR 5 SECONDS)	INSULATION RESISTANCE (500 VDC ±10%)
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL 1000 V Rms, 500 μA (MAX LKG)		1000 MOEGOHM MIN
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS		
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE		
SWITCH RESISTANCE	5	
RECOMMENDATION FOR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts	NO □ 3	
MECHANICAL CHARACTERISTICS:		
CHARACTERISTICS:		
COINCIDENCE OF OPERATING AND RELEASING POINTS 6 - 12 LBS		
FULL OVERTRAVEL FORCE 30 LBS MAX		
RELEASE FORCE 4 LBS MIN		
PRETRAVEL .040 MAX		
DIFFERENTIAL TRAVEL .020 MAX		
OVERTRAVEL .250 MIN		
MOUNTING STRENGTH 15 IN-LBS		
ACTUATOR STRENGTH 30 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH ACTUATION		
LIFE:		
MECHANICAL LIFE PER MIL-PRF-8805/39 □ 4		
ELECTRICAL LIFE PER MIL-PRF-8805/39 □ 4		
ENVIRONMENTAL:		
TEMPERATURE RANGE -55° C TO +85° C		
ALTITUDE RANGE SEA LEVEL TO 50,000 FEET		
SHOCK PER MIL-PRF-8805 SYMBOL M - 100g		
VIBRATION PER MIL-PRF-8805 SYMBOL 2 - 10-2000 Hz & 15g PEAK		
MOISTURE RESISTANCE PER MIL-PRF-8805		
THERMAL SHOCK PER MIL-PRF-8805		
SALT SPRAY PER MIL-PRF-8805		

NOTES

1 - CIRCUIT DIAGRAM AND CATALOG LISTING SHOWN ON NAMEPLATE
 2 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
 2X NUT: .812 ACROSS FLATS X .125 THICK (MS 21340-05)
 INTERNAL TOOTH: Ø .87 X (.022) KEY

3 - CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS

4 - LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA

5 - SWITCH RESISTANCE EQUALS SWITCH CONTACT RESISTANCE PLUS WIRE LEAD LENGTH (OHMS/FT). SWITCH CONTACT RESISTANCE SHALL NOT EXCEED .025 OHMS INITIALLY AND .040 OHMS AFTER MECHANICAL ENDURANCE TEST. AFTER ELECTRICAL ENDURANCE, THE SWITCH CONTACT RESISTANCE SHALL NOT EXCEED 1% OF THE LOAD IMPEDANCE USING THE ELECTRICAL PARAMETERS OF THE ELECTRICAL ENDURANCE TEST LOAD. WIRE LEAD RESISTANCE EQUALS 16.2 OHMS/1000 FT MAX AT 20°C

6 - CABLE PER M2750022SD3T23
 CORROSION RESISTANT STAINLESS STEEL

THIRD ANGLE PROJECTION
 SCALE FULL
 DO NOT SCALE PRINT
 UNLESS OTHERWISE SPECIFIED
 TOLERANCES ARE
 ONE PLACE (.0) + .030
 TWO PLACE (.00) + .015
 THREE PLACE (.000) + .005
 ANGLES +
 WEIGHT

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