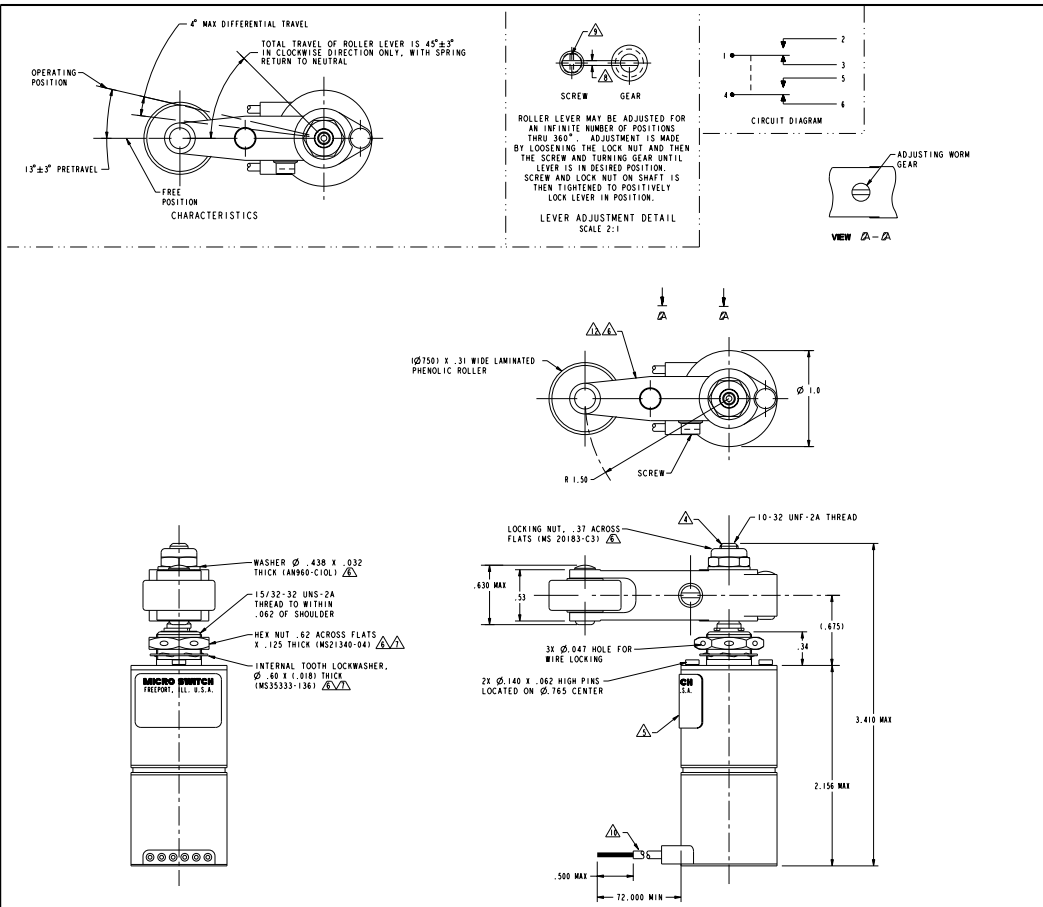

SPECIFICATION DETAILS:

M 31EN11-6

STANDARD:	CONFORMS TO MS21320-1 (MIL-PRF-8805/48), EXCEPT AS NOTED
CONSTRUCTION:	
ENCLOSURE DESIGN	RESILIENT SEAL PER MIL-PRF-8805, SYMBOL 4
CONTACT MATERIAL & CONFIGURATION	SMOOTH SILVER CONTACTS
CIRCUIT CONFIGURATION	2 SPDT
TERMINATION	LEADWIRE PER MIL-W-22759/7
WEIGHT	9.5 OZ MAX
EXPOSED METALS	CORROSION RESISTANT STAINLESS STEEL △1
ELECTRICAL CHARACTERISTICS:	
ELECTRICAL RATINGS -SEA LEVEL -50,000 FEET	VOLTAGE / RESISTIVE / LOAD INDUCTIVE / MOTOR 28 VDC / 5A / 3A / 4A 28 VDC / 5A / 2A
DIELECTRIC STRENGTH & INSULATION RESISTANCE -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, 500µA (MAX. LEAKAGE) / 1000 Megohms MIN " / " " / "
SWITCH RESISTANCE	N/A
RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts	NO △3
MECHANICAL CHARACTERISTICS:	
CHARACTERISTICS: OPERATING TORQUE FULL OVERTRAVEL TORQUE RELEASE TORQUE FREE POSITION PRETRAVEL DIFFERENTIAL TRAVEL OVERTRAVEL	 12-25 IN-LBS 40 IN-LBS MAX 9 IN-LBS MIN SEE DETAIL
MOUNTING STRENGTH	15 IN-LBS
ACTUATOR STRENGTH	10 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION
LIFE:	
MECHANICAL LIFE	25,000 MIN. PER MIL-PRF-8805/48 △1
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN. PER MIL-PRF-8805/48 △1
ENVIRONMENTAL:	
TEMPERATURE RANGE	-55 C TO +85 C
ALTITUDE RANGE	SEA LEVEL TO 50,000 FEET
SHOCK	PER MIL-PRF-8805 SYMBOL M - 100 g
VIBRATION	PER MIL-PRF-8805 SYMBOL I - 10-500 Hz. & 10 g peak
MOISTURE RESISTANCE	PER MIL-PRF-8805
THERMAL SHOCK	PER MIL-PRF-8805
SALT SPRAY	PER MIL-PRF-8805

NOTES
△1 UNLESS OTHERWISE NOTED
2 - SWITCH SEALED PER MIL-PRF-8805, SYMBOL 4
△3 CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
△4 DO NOT APPLY MORE THAN 20-25 INCH-POUNDS OF TORQUE WHEN TIGHTENING LOCKING NUT
△5 CIRCUIT DIAGRAM, CATALOG LISTING AND MILITARY STANDARD NO. MS 21320-1 ARE SHOWN ON NAMEPLATE
△6 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
△7 REPLACEMENT MOUNTING HARDWARE - PACKET 19PA10
△8 .050 WIDE X .050 DEEP SLOT
△9 Ø.037 HOLE FOR WIRE LOCKING
△10 6X NO 20 LEAD WIRE PER MIL-W-22759/7 MARKED WITH CIRCUIT IDENTIFICATION AND WIRE GAUGE (1-20, 2-20 ETC) PER MIL-W-5088
△11 LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
△12 DIE CAST ALUMINUM

ANSI Y14.5M-1982 APPLIES

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FED. MFG. CODE 01929
MICRO SWITCH a Honeywell Division

SWITCH - ENCLOSED

CATALOG LISTING 31EN11-6
MILITARY STD PART NUMBER MS21320-1

THIRD ANGLE PROJECTION
SCALE 2 : 1
DO NOT SCALE PRINT
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

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

WEIGHT -

PTC/CAD 20 | TSN 880V01 | DRAWN SAV 880V01 | CHECK | ISSUE DG | DRAWING NUMBER 3EN11-6 | SHEET 1 OF 1 | RELEASE NO. SB-5323 | REVISIONS A DRAWN DR

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