



- NOTES
- UNLESS OTHERWISE NOTED
 - ALUMINUM DIE CAST LEVER
 - CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS.
 - DO NOT APPLY MORE THAN 20-25 INCH-POUNDS OF TORQUE WHEN TIGHTENING LOCKING NUT
 - CIRCUIT DIAGRAM, CATALOG LISTING AND DATE CODE ARE SHOWN ON NAMEPLATE
 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
 - REPLACEMENT MOUNTING HARDWARE - PACKET 19PA10
 - WORM GEAR TO TURN WITH 6 IN-LBS MAX TORQUE WITH SCREWS LOCKED OUT TIGHT
 - 6X NO. 18 LEAD WIRE IN ACCORDANCE WITH MIL-W-22759/7, MARKED W/SWITCH CIRCUIT IDENTIFICATION & WIRE GAGE (1-18,2-18,ETC) PER MIL-W-5088
 - LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
 - REPLACEMENT LEVER 6PA205
 - TOTAL TRAVEL OF ROLLER LEVER IS 45°±3° IN CLOCKWISE DIRECTION ONLY, WITH SPRING RETURN TO NEUTRAL
 - LOCKWASHER IS CADMIUM PLATED STEEL
 - MICRO SWITCH RECOMMENDS MEASURING SWITCH RESISTANCE WITH THE 4-WIRE (VOLTAGE DROP) METHOD. SWITCH RESISTANCE NOT TO EXCEED 1% OF LOAD IMPEDENCE (600 mΩ FOR 6VDC, 100mA)

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FED. MFG. CODE 91929		32EN21-4	
MICRO SWITCH a Honeywell Division		SWITCH - ENCLOSED	
		WEIGHT	

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	+

SPECIFICATION DETAILS:			
STANDARD:	CONFORMS TO MS21320-7 (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 S.P.D.T.		
TERMINATION	LEADWIRES PER MIL-W-22759/7		
WEIGHT	11.8 OZ. MAX		
EXPOSED METALS	CORROSION RESISTANT STAINLESS STEEL 1		
O-RING MATERIAL	SILICONE		
ELECTRICAL CHARACTERISTICS:			
ELECTRICAL RATINGS	LOAD	SEA LEVEL	50,000 FT
-SEA LEVEL	RESISTIVE	28 VDC	28 VDC
-50,000 FEET	INDUCTIVE	10 AMP	10 AMP
	MOTOR	6 AMP	3 AMP
DIELECTRIC STRENGTH & INSULATION RES (BASIC SWITCH)	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 LEAKAGE)		1000 Megohms MIN
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS	1000 V Rms, 500 μA (MAX LEAKAGE)		1000 Megohms MIN
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000 V Rms, 500 μA (MAX LEAKAGE)		1000 Megohms MIN
SWITCH RESISTANCE	N/A		
RECOMMENDATION OR USE IN APPL LESS THAN .5 amps AND/OR 12 volts	NO		
MECHANICAL CHARACTERISTICS:			
OPERATING TORQUE	12-25 IN-LBS		
RELEASE TORQUE	9 IN-LBS MIN (AS ADJUSTED)		
DIFFERENTIAL TRAVEL	SEE LEVER DETAIL		
OVERTRAVEL	SEE LEVER DETAIL		
FULL OVERTRAVEL TORQUE	40 IN-LBS MAX		
FREE POSITION	4 IN-LBS MIN (AFTER 25K OPS)		
PRETRAVEL	SEE LEVER DETAIL		
MOUNTING STRENGTH	15 IN-LBS		
ACTUATOR STRENGTH	10 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH TO ACTUATE		
LIFE:			
MECHANICAL LIFE	25,000 MIN PER MIL-PRF-8805/48		
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN PER MIL-PRF-8805/48		
ENVIRONMENTAL:			
TEMPERATURE RANGE	-55° F TO +85° F		
ALTITUDE RANGE	SEA LEVEL TO 50,000 FT		
SHOCK	PER MIL-PRF-8805 SYMBOL M-100g		
VIBRATION	PER MIL-PRF-8805 SYMBOL I - 10-500 Hz & 10g PEAK		
MOISTURE RESISTANCE	PER MIL-PRF-8805		
THERMAL SHOCK	PER MIL-PRF-8805		
SALT SPRAY	PER MIL-PRF-8805		

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