





<div>M</div>		34EN19-1																
SPECIFICATION DETAILS:																		
STANDARD:		SWITCH 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		SEE CIRCUIT DIAGRAM																
TERMINATION		SEE DRAWING																
WEIGHT		15.7 OZ MAX																
EXPOSED METALS		300 SERIES CORROSION RESISTANT STAINLESS STEEL 																
O-RING MATERIAL		SILICONE ELASTOMER																
ELECTRICAL CHARACTERISTICS:																		
CONTACT ARRANGEMENT		SEE CIRCUIT DIAGRAM																
ELECTRICAL RATINGS		<table><tr><td></td><td>VOLTAGE</td><td>LOAD RESISTIVE</td><td>LOAD INDUCTIVE</td><td>LOAD MOTOR</td></tr><tr><td>-SEA LEVEL</td><td>28 VDC</td><td>15 AMP</td><td>10 AMP</td><td>5 AMP</td></tr><tr><td>-50,000 FEET</td><td>28 VDC</td><td>15 AMP</td><td>10 AMP</td><td>5 AMP</td></tr></table>			VOLTAGE	LOAD RESISTIVE	LOAD INDUCTIVE	LOAD MOTOR	-SEA LEVEL	28 VDC	15 AMP	10 AMP	5 AMP	-50,000 FEET	28 VDC	15 AMP	10 AMP	5 AMP
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DIELECTRIC STRENGTH & INSULATION RESISTANCE		<table><tr><td></td><td>DIELECTRIC STRENGTH @ 60 Hz FOR 5 SECONDS)</td><td>INSULATION RESISTANCE (500 VDC ±10%)</td></tr><tr><td>-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL</td><td>1000 V Rms, 500 μA (MAX LKG)</td><td>1000 MEGOHM MIN</td></tr><tr><td>-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS</td><td>1000 V Rms, 500 μA (MAX LKG)</td><td>1000 MEGOHM MIN</td></tr><tr><td>-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE</td><td>1000 V Rms, 500 μA (MAX LKG)</td><td>1000 MEGOHM MIN</td></tr></table>			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 MEGOHM MIN	-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS	1000 V Rms, 500 μA (MAX LKG)	1000 MEGOHM MIN	-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000 V Rms, 500 μA (MAX LKG)	1000 MEGOHM MIN			
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SWITCH RESISTANCE		N/A																
RECOMMENDATION FOR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts		NO 																
MECHANICAL CHARACTERISTICS:																		
OPERATING TORQUE		12-25 IN-LBS																
RELEASE TORQUE		8 IN-LBS MIN																
FULL OVERTRAVEL TORQUE		40 IN-LBS MAX																
PRETRAVEL		SEE DETAIL																
DIFFERENTIAL TRAVEL		SEE DETAIL																
FREE POSITION		SEE DETAIL																
OVERTRAVEL		SEE DETAIL																
MOUNTING TORQUE		15 IN-LBS RECOMMENDED PER MIL-S-8805																
MOUNTING STRENGTH		30 IN-LBS MAX WILL NOT CAUSE SWITCH DAMAGE																
ACTUATOR STRENGTH		10 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION																
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°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 10-500 Hz, 10g PEAK																
MOISTURE RESISTANCE		PER MIL-PRF-8805 (10 DAY TEST)#																
THERMAL SHOCK		PER MIL-PRF-8805 (5 CYCLE TEST)																
SALT SPRAY		PER MIL-PRF-8805 (96 HR TEST)																

## NOTES

- UNLESS OTHERWISE NOTED  
CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION  
ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC  
APPLICATIONS
- LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE  
EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR  
ADDITIONAL DATA
- DO NOT APPLY MORE THAN 20-25 INCH-POUNDS OF TORQUE  
WHEN TIGHTENING LOCKING NUT
- CIRCUIT DIAGRAM, CATALOG LISTING, FED. MFG. CODE AND DATE  
CODE ARE SHOWN ON NAMEPLATE
- HARDWARE WILL BE PACKAGED UNASSEMBLED PER MIL-PRF-8805  
.050 WIDE X  $\nabla$ .050 SLOT
- $\varnothing$ .037 HOLE FOR WIRE LOCKING
- 8X NO 18 LEAD WIRE PER MIL-W-22759/7, MARKED WITH SWITCH  
CIRCUIT IDENTIFICATION AND WIRE GAUGE (1-18, 2-18 ETC) PER MIL-W-5088
- DIE CAST ALUMINUM WITH CHROMATE COAT
- CADMIUM PLATED
- REPLACEMENT MOUNTING HARDWARE - PACKET 19PA209-EN

13 - MOTOR LOAD, DC: THE DURATION OF THE INRUSH CURRENT SHALL BE NOT LESS THAN .05 SECOND. ONLY RESISTIVE COMPONENTS SHALL BE USED. SWITCHES SHALL MAKE 6 TIMES THE RATED LOAD, AND BREAK THE RATED LOAD.

 ZINC-NICKEL PLATED

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.			ONE PLACE ( .0 ) +.030
FED. MFG. CODE 91929			TWO PLACE ( .00 ) +.015
<b>MICRO SWITCH</b> a Honeywell Division	<b>SWITCH - ENCLOSED</b>	CATALOG LISTING	THREE PLACE ( .000 ) +.005
		34EN19-1	ANGLES +
			WEIGHT 15.7 OZ MAX