

**MICRO SWITCH**  
a Honeywell Division  
FED. MFG. CODE 81929

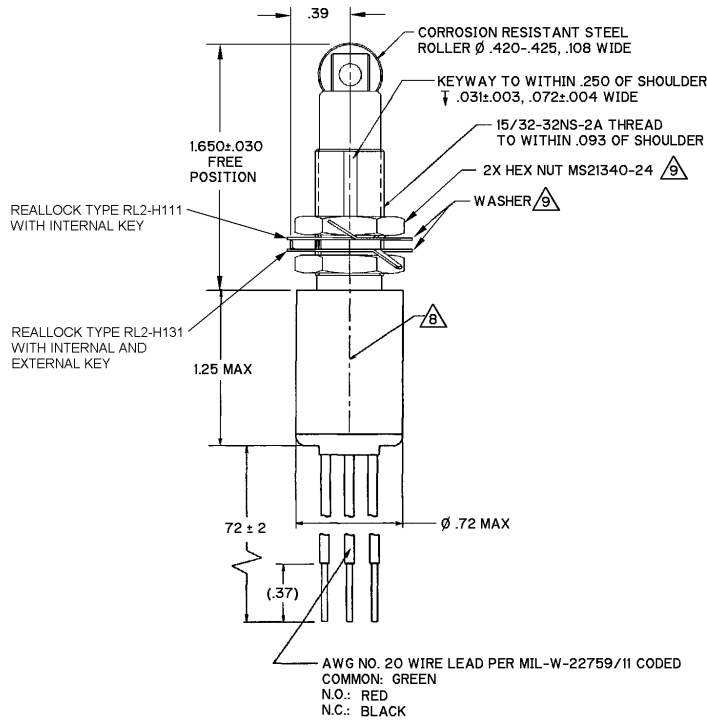
**SWITCH-ENCLOSED**

CATALOG LISTING

**HS-1066**

CUSTOMER PART NUMBER

**N531-12395**



**NOTES**

- 1 - THE SWITCH WILL SELF ADJUST TO THE PROPER RELATIONSHIP WITH THE ACTUATOR UPON COMPLETION OF THE FIRST CYCLE. THIS RELATIONSHIP WILL REMAIN CONSTANT UNTIL THE ACTUATOR HAS A GROSS CHANGE IN DISPLACEMENT. THE SWITCH MAY BE REINSTALLED TO THE NEW OR OLD ACTUATOR DISPLACEMENT AND ONCE AGAIN IT WILL SELF ADJUST TO THE PROPER RELATIONSHIP
- 2 - CORROSION RESISTANT STEEL ENCLOSURE, BUSHING AND PLUNGER
- 3 - SWITCH SEALED PER MIL-PRF-8805 SYMBOL 4
- 4 - SHOCK PER MIL-PRF-8805 SYMBOL M
- 5 - VIBRATION PER MIL-PRF-8805 GRADE 1
- 6 - MINIMUM MECHANICAL LIFE: 50,000 CYCLES
- 7 - MINIMUM ELECTRICAL LIFE: 25,000 CYCLES AT RATED LOAD
- 8 - CIRCUIT DIAGRAM, FED. MFG. CODE, CATALOG LISTING, DATE CODE AND CUSTOMER PART NO. N531-12395 PRINTED ON NAMEPLATE
- 9 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
- 10 - INITIAL OPERATION OF THE SWITCH WILL OCCUR WITHIN THE PRETRAVEL SPECIFICATION AND RELEASE PER THE CLICK DISTANCE SPECIFICATION. CLICK DISTANCE IS THE DISTANCE THE PLUNGER RETURNS FROM THE DOWNWARD STROKE TO THE POINT OF CIRCUIT TRANSFER
- 11 - INSTALLATION OF THE SWITCH SHOULD DEPRESS THE PLUNGER A MINIMUM OF THE SUM OF THE PRETRAVEL AND THE CLICK DISTANCE. IF THE PLUNGER TRAVEL IS LESS THAN THIS SUM, THE CLICK DISTANCE WILL BE EQUAL TO THE PLUNGER TRAVEL MINUS THE PRETRAVEL MINUS APPROXIMATELY .010 INCHES

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THIRD ANGLE PROJECTION



SCALE **NONE**

DO NOT SCALE PRINT

CHARACTERISTICS	ELECTRICAL DATA
PRETRAVEL----- .040 MAX	CONTACT ARRANGEMENT
OPERATING FORCE----- 3-17 LBS	SPDT
TOTAL TRAVEL----- .300 MIN	(SILVER CONTACTS)
CLICK DISTANCE----- .020-.050	LOAD (AMPS)
RELEASE FORCE----- 2 LB MIN	SEA LEVEL
ACTUATOR FORCE----- 17 LB MAX	50,000 FT
	RES
	IND

ONE PLACE	TWO PLACE	THREE PLACE
(.01) ±.030	(.01) ±.015	(.000) ±.005
ANGLES ± 4°		

WEIGHT

**CIRCUIT DIAGRAM**



ANSI Y14.5M-1982 APPLIES

CATALOG LISTING  
 HS-1066  
 ISSUE 5  
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 PAGE 1 OF 1  
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