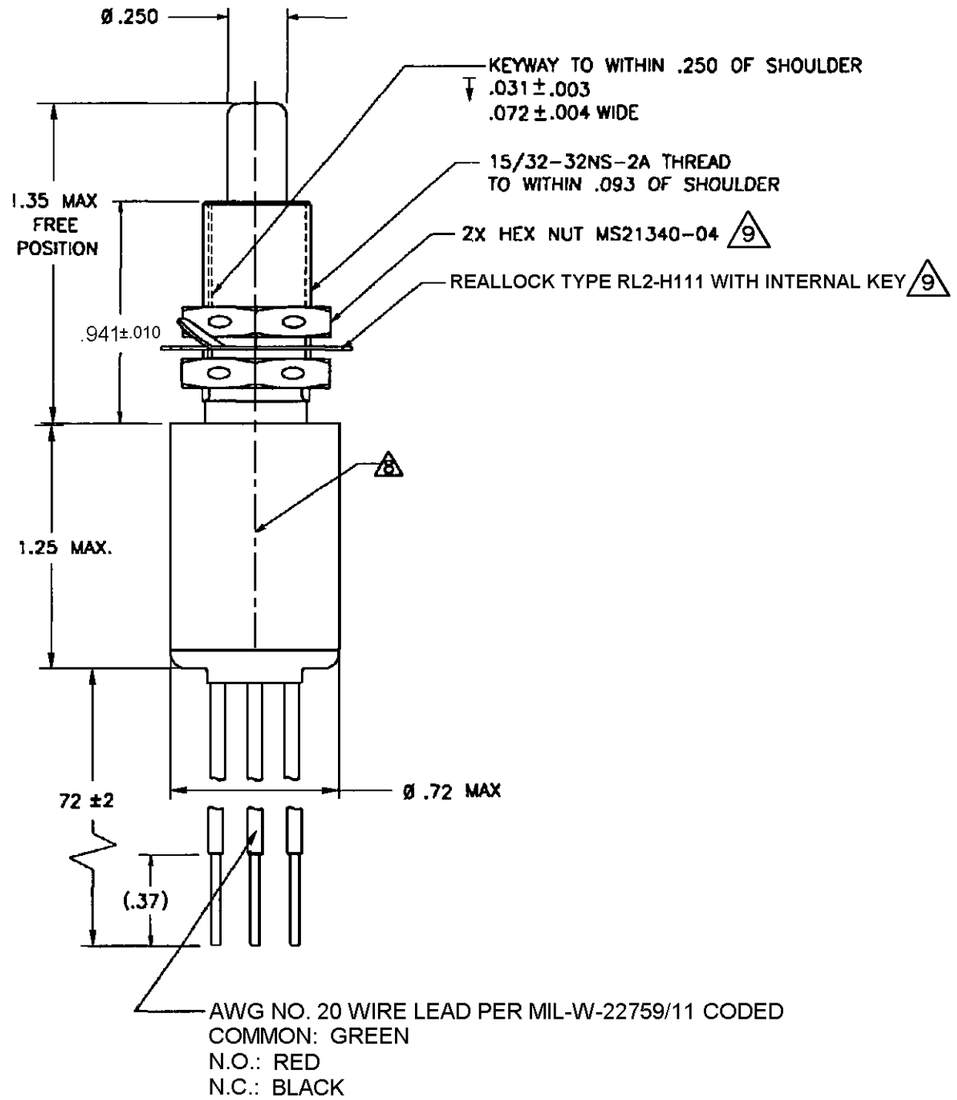
MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

SWITCH-ENCLOSED

CATALOG LISTING
HS-1067
CUSTOMER PART NUMBER
N531-5181



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 PRINT CIRCUIT DIAGRAM, FED. MFG. CODE, CATALOG LISTING, DATE CODE AND CUSTOMER PART NO. N531-5181
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

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACE	(.00)	±.015
THREE PLACE	(.000)	±.005
ANGLES		± 4°

WEIGHT

CHARACTERISTICS

PRETRAVEL ---------- .040 MAX
OPERATING FORCE -------- 3-17 LBS
TOTAL TRAVEL ---------- .300 MIN
CLICK DISTANCE ---------- .150 - .170
RELEASE FORCE ---------- 2 LB MIN
ACTUATOR FORCE ---------- 17 LB MAX

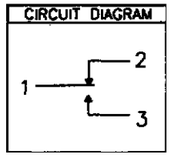
ELECTRICAL DATA

CONTACT ARRANGEMENT
SPDT

(SILVER CONTACTS)

LOAD (AMPS)	28 VDC SEA LEVEL	28 VDC 50,000 FT
RES	7	4
IND	4	2.5
LAMP	2	2

CIRCUIT DIAGRAM



CATALOG LISTING HS-1067
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ISSUE 5
REVISIONS
A CO-96052 CSL 22 FEB 00
B 202887 CSL 25 APR 01
C 0035333 BS 26NOV07
D 0047679 KNR 27JAN09
REPLACES
RELEASE NO. PR-24187
CHECK CMH 27JAN07
CHECK ASD 26NOV07
CHECK 2 OCT 99
CHECK SAV 2 OCT 99
DRAWN DLT 2 OCT 99
RASTER