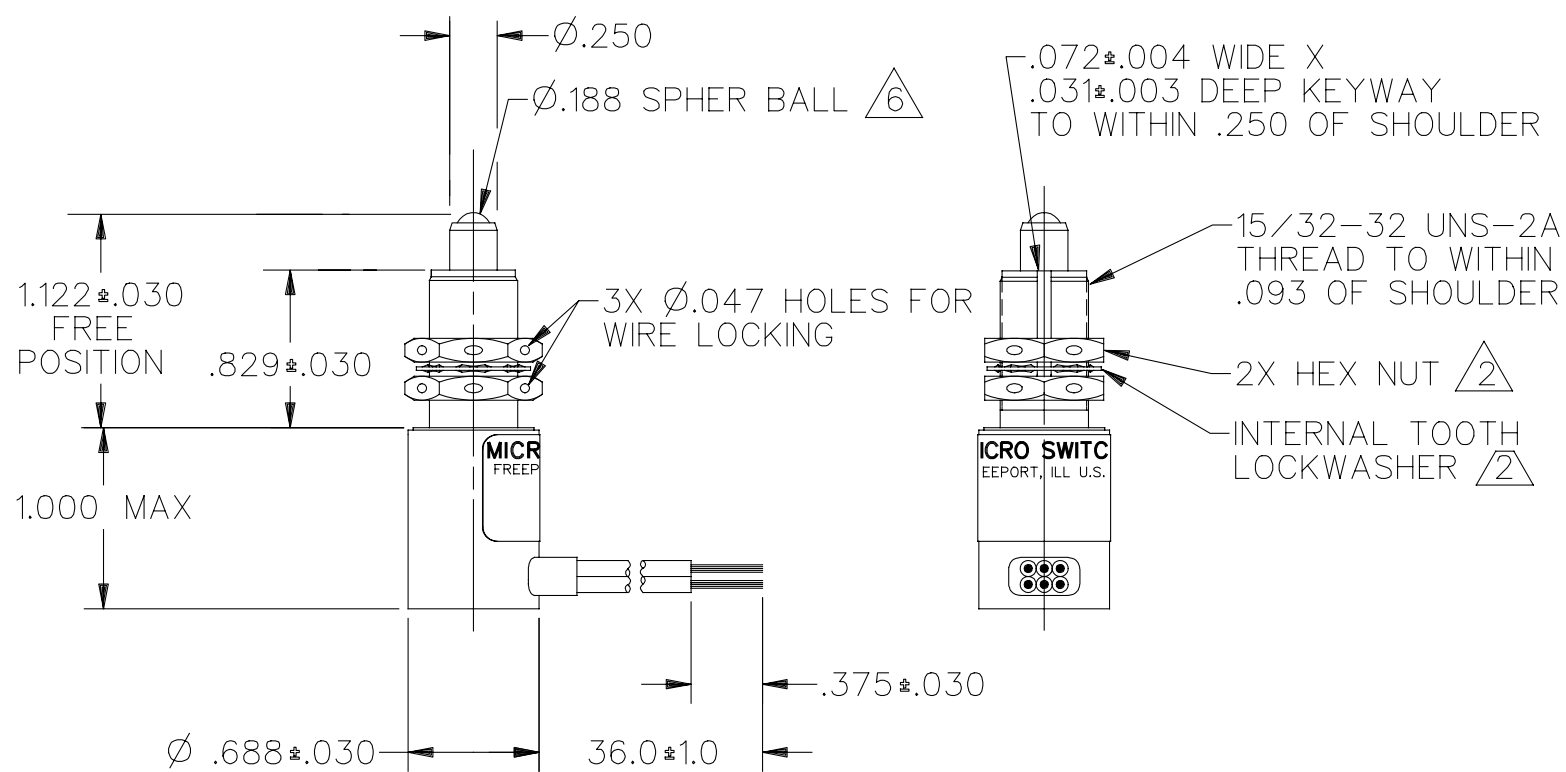
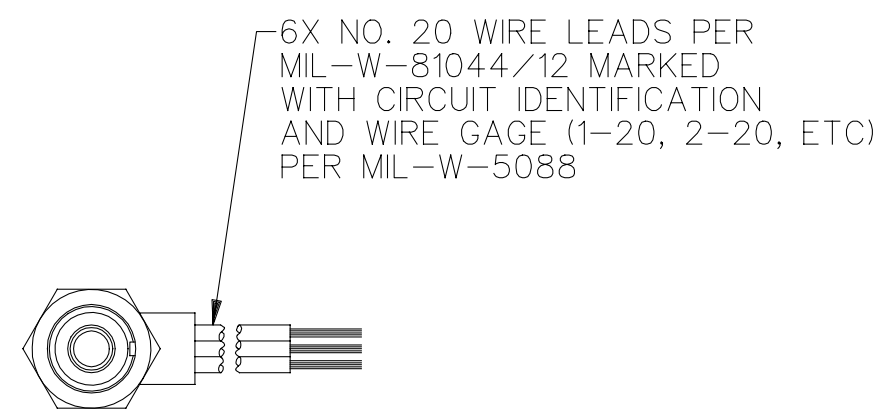
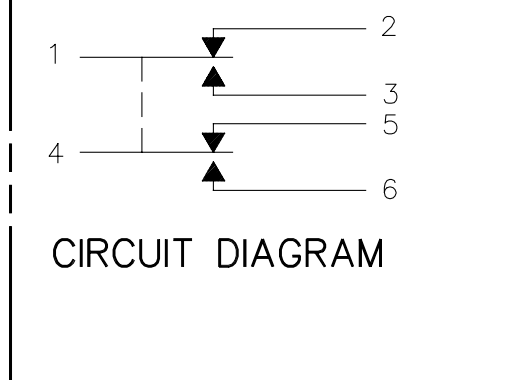


SPECIFICATION DETAILS:

| | | | | |
|---|--|-----------|--|-------|
| STANDARD: | CONFORMS TO MS27240-3 (MIL-S-8805/43), EXCEPT AS NOTED | | | |
| CONSTRUCTION: | WATERTIGHT SEAL PER MIL-S-8805, SYMBOL 3 | | | |
| ENCLOSURE DESIGN | SMOOTH SILVER CONTACTS WITH GOLD PLATE | | | |
| CONTACT MATERIAL & CONFIGURATION | 2 SPDT | | | |
| CIRCUIT CONFIGURATION | LEADWIRE PER MIL-W-81044/12 | | | |
| TERMINATION | 4.0 OZS MAX | | | |
| WEIGHT | CORROSION RESISTANT STAINLESS STEEL | | | |
| EXPOSED METALS | | | | |
| ELECTRICAL CHARACTERISTICS: | | | | |
| ELECTRICAL RATINGS | VOLTAGE | RESISTIVE | LOAD INDUCTIVE | MOTOR |
| -SEA LEVEL | 28VDC | 7A | 4A | 4A |
| -50,000 FEET | 28VDC | 7A | 2.5A | |
| DIELECTRIC STRENGTH & INSULATION RESISTANCE | DIELECTRIC STRENGTH (\approx 60 Hz, FOR 5 SECONDS) | | INSULATION RESISTANCE (500 VDC \pm 10%) | |
| -BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL | 1000 V Rms, 500 μ A (MAX LEAKAGE) | | 1000 Megohm MIN | |
| -BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS | 1000 V Rms, 500 μ A (MAX LEAKAGE) | | 1000 Megohm MIN | |
| -BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE | 1000 V Rms, 500 μ A (MAX LEAKAGE) | | 1000 Megohm MIN | |
| SWITCH RESISTANCE | \triangle 5 | | | |
| RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5 AMPS AND/OR 12 VOLTS | NO \triangle 3 | | | |
| MECHANICAL CHARACTERISTICS: | | | | |
| CHARACTERISTICS: | | | | |
| COINCIDENCE OF OPERATING AND RELEASING POINTS | .010 OF PLUNGER TRAVEL | | | |
| OPERATING FORCE | 3-6 LBS | | | |
| FULL OVERTRAVEL FORCE | 17 LB MAX | | | |
| RELEASE FORCE | 2 LB MIN | | | |
| PRETRAVEL | .040 MAX | | | |
| DIFFERENTIAL TRAVEL | .020 MAX | | | |
| OVERTRAVEL | .125 MIN | | | |
| MOUNTING STRENGTH | 15 IN-LBS | | | |
| ACTUATOR STRENGTH | 30 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH ACTUATION | | | |
| LIFE: | | | | |
| MECHANICAL LIFE | PER MIL-S-8805/43 \triangle 4 | | | |
| ELECTRICAL LIFE AT FULL RATED LOAD | PER MIL-S-8805/43 \triangle 4 | | | |
| ENVIRONMENTAL: | | | | |
| TEMPERATURE RANGE | -55°C TO +85°C | | | |
| ALTITUDE RANGE | SEA LEVEL TO 50,000 FEET | | | |
| SHOCK | PER MIL-S-8805 SYMBOL M - 100 g | | | |
| VIBRATION | PER MIL-S-8805 SYMBOL 2 - 10-2000 Hz & 15 g PEAK | | | |
| MOISTURE RESISTANCE | PER MIL-S-8805 | | | |
| THERMAL SHOCK | PER MIL-S-8805 | | | |
| SALT SPRAY | PER MIL-S-8805 | | | |



NOTES

- 1 - CIRCUIT DIAGRAM AND CATALOG LISTING SHOWN ON NAMEPLATE
- \triangle 2 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805. 2X NUT: .62 ACROSS FLATS X .125 THICK (MS 21340-04), INTERNAL TOOTH: Ø.60 X (.018) (MS 35333-136)
- \triangle 3 - CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
- \triangle 4 - LIFE RATINGS ARE PER MIL-S-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
- \triangle 5 - SWITCH RESISTANCE EQUALS SWITCH CONTACT RESISTANCE PLUS WIRE LEAD LENGTH (OHMS/FT). SWITCH CONTACT RESISTANCE SHALL NOT EXCEED .025 OHMS INITIALLY AND .040 OHMS AFTER MECHANICAL ENDURANCE TEST. AFTER ELECTRICAL ENDURANCE, THE SWITCH CONTACT RESISTANCE SHALL NOT EXCEED 1% OF THE LOAD IMPEDANCE USING THE ELECTRICAL PARAMETERS OF THE ELECTRICAL ENDURANCE TEST LOAD. WIRE LEAD RESISTANCE EQUALS 9.88 OHMS/1000 FT MAX AT 20° C
- \triangle 6 - ROLLER BALL BEARING PLUNGER FOR USE WITH 20° MAX RISE ON CAM OR SLIDE ACTUATION

DRAWING NUMBER 4602CH1-3

ISSUE 5

REVISIONS
A PR22143
MAM
10 SEP 96
B C083869
TSM
31 OCT 96

CHECK 16 SEP 96
CHECK TSM
CHECK TSM
DRAWN MAM
D.D.M./CAD

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES

| | | | |
|--|---------|--|------------|
| LIFE RATINGS BEYOND MIL-S-8805 REQUIREMENTS PER MICRO SWITCH TEST PLAN | | THIRD ANGLE PROJECTION | |
| MECHANICAL LIFE | 100,000 | SCALE FULL | |
| | | DO NOT SCALE PRINT | |
| | | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE | |
| | | ONE PLACE (.0) | \pm .030 |
| | | TWO PLACES (.00) | \pm .015 |
| | | THREE PLACES (.000) | \pm .005 |
| | | ANGLES | \pm |
| | | WEIGHT | |

| | | |
|---|-----------------|---|
| MICRO SWITCH a Honeywell Division <small>FED. MFG. CODE 91929</small> | SWITCH-ENCLOSED | CATALOG LISTING 4602CH1-3 |
| | | 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. |