INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5-2009

OPERATING CHARACTERISTICS

OPERATING FORCE @ 0.005 IN-LB 0.5 LB

NOTES:
1. EACH LOAD MUST NOT FALL OFF FROM SWITCH ASSEMBLY
2. WITH AN 1 LB FULL FORCE APPLIED FOR ONE SECOND
3. UNLESS OTHERWISE SPECIFIED, ALL MUTUALLY CO-AXIAL FEATURES
4. MUST BE IN TOE POSITION OPPOSITE 0.005 IN-LB
5. CIRCUIT NORMALLY OPEN OPERATION
6. MATERIAL: SWITCH BODY - UL STABILE ACETYL COPOLYMER WITH 12% GLASS FILL
7. BLACK PLUNGER - 12% GLASS FILLED ACETAL
8. WIRE LEADS ARE NOT OF EQUAL LENGTH

WIRING SPECIFICATIONS:
9. INSULATED WIRE MUST MEET SAE J1129
10. AWG-4 STRANDS OF #4 TWISTED COPPER WIRE
11. CEIII RMF, INSULATION, 190/210/210/210/210 PHR SAE J789

WATERPROOF:
12. THE TEST MUST BE DONE WITH DEIONIZED WATER WITH THE
13. ADDITION OF TERYlene T35 WETTING AGENT (ONE DROP PER
14. PINT OF WATER) TO ELIMINATE SURFACE TENSION (BUBBLES
15. THAT FORM). THE CONTINUITY TEST SHALL BE PERFORMED
16. WITHIN 1 MINUTE AFTER INSTALLATION. THE CONTINUITY
17. TEST SHALL MEASURE A RESISTANCE NOT EXCEEDING 100 MICROOHMS.

CONTINUITY TEST:
18. SWITCH SHALL PASS CONTINUITY TEST BEFORE AND AFTER WATERPROOF
19. AND CYCLE TESTS
20. CURRENT LEAKAGE AT 10VDC SHALL NOT EXCEED 10 MICROAMPS. TEST
21. SHALL BE PERFORMED WITH THE PLUNGER AT REST
22. VOLTAGE DROP AT 3 AMP (12-15 VDC) SHALL NOT EXCEED 100 MILLIVOLTS
23. WHEN MEASURED BETWEEN LEADS WITHIN ONE INCH OF SWITCH BODY
24. TEST SHALL BE PERFORMED WITH THE PLUNGER DEPRESSED

WATERPROOF TEST:
25. SWITCH MUST PASS WATERPROOF TEST & CONTINUITY TEST BEFORE AND
26. AFTER 100 CYCLES OF DISASSEMBLING AND ASSEMBLING A 4 MICROFARAD CAPACITOR
27. CHARGED TO 100 VOLTS THROUGH A 10 OHM RESISTOR AT THE RATE
28. OF 1.5 SECONDS ON AND 1.5 SECONDS OFF

SWITCH:
29. INTERNAL WIP CONTACT AND TERMINALS TO BE FINE SILVER PLATED TO 0.001-0.003 MILLI