DATE CODE ONE SIDE PER DSI SPEC #1635
BLACK WIRE
BLACK WIRE WITH YELLOW STRIPE

1.000 - 900 OPERATING POINT

1.25 : .07
.43
.41
.14
.18
.14
.20
.40
.90
.63

1.019 : .020

.015

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

MATERIAL
SWITCH BODY AND PLUNGER ARE UV STABLE ACRYLIC COPOLYMER
WITH 12% GLASS FILL.

OPERATING CHARACTERISTICS
CIRCUIT NORMALLY OPEN OPERATION
OPERATING FORCE @ .050 IS 1.60 - 0.5 LBS

NOTE
EACH LEAD MUST NOT PULL OFF FROM SWITCH ASSEMBLY
WITH AN 18 LB PULL FORCE APPLIED FOR ONE SECOND

WIRE SPECIFICATIONS
INSULATED WIRE MUST MEET SAE J1126
18 AWG 41 STRANDS OF #34 TINNED COPPER WIRE
125°C MIN IXL INSULATION .110 -.010 I.A. PER SAE J328

WATERPROOF
THIS TEST MUST BE DONE WITH DEIONIZED WATER WITH THE
ADITION OF TRITON 100 WETTING AGENT, ONE DROP PER
PINT OF WATER TO ELIMINATE SURFACE TENSION BUBBLES.
1. WITH THE PLUNGER AT REST, BUBBLES THAT ORIGINATE WITHIN THE SWITCH SHALL NOT BE RELEASED
WHEN THE SWITCH EXCLUDING THE LEAD WIRE ENDS, IS SUBMERGED IN A CONTAINER OF WATER SUBJECTED TO 20 INCHES 1g VACUUM FOR ONE MINUTE.
2. WITH THE PLUNGER DEPRESSED,
REPEAT AS ABOVE EXCEPT USE 10 INCHES Hg VACUUM

CONTINUITY TEST
SWITCH SHALL PASS CONTINUITY TEST BEFORE AND AFTER WATERPROOF
AND CYCLE TESTS
1. CURRENT LEAKAGE AT 50VDC SHALL NOT EXCEED 50 MICROAMPS, TEST
SHALL BE PERFORMED WITH THE PLUNGER AT REST.
2. VOLTAGE DROP AT 3 AMPS (12.13 VDC) SHALL NOT EXCEED 150 MILLIVOLTS
WHEN MEASURED BETWEEN LEADS WITHIN ONE INCH OF SWITCH BODY
TEST SHALL BE PERFORMED WITH THE PLUNGER DEPRESSED

CYCLE TEST
SWITCH MUST PASS WATERPROOF TEST & CONTINUITY TEST BEFORE AND
AFTER 50,000 CYCLES OF DISCHARGING A MICRO FARAD CAPACITOR
CHARGE TO 300 VOLTS THROUGH A 10 OHM RESISTOR AT THE RATE OF
1.5 SECONDS "ON" AND 1.5 SECONDS "OFF"

SWITCH
INTERNAL RING CONTACT AND TERMINALS TO BE FINE SILVER PLATED TO .0001-.0003 THICK