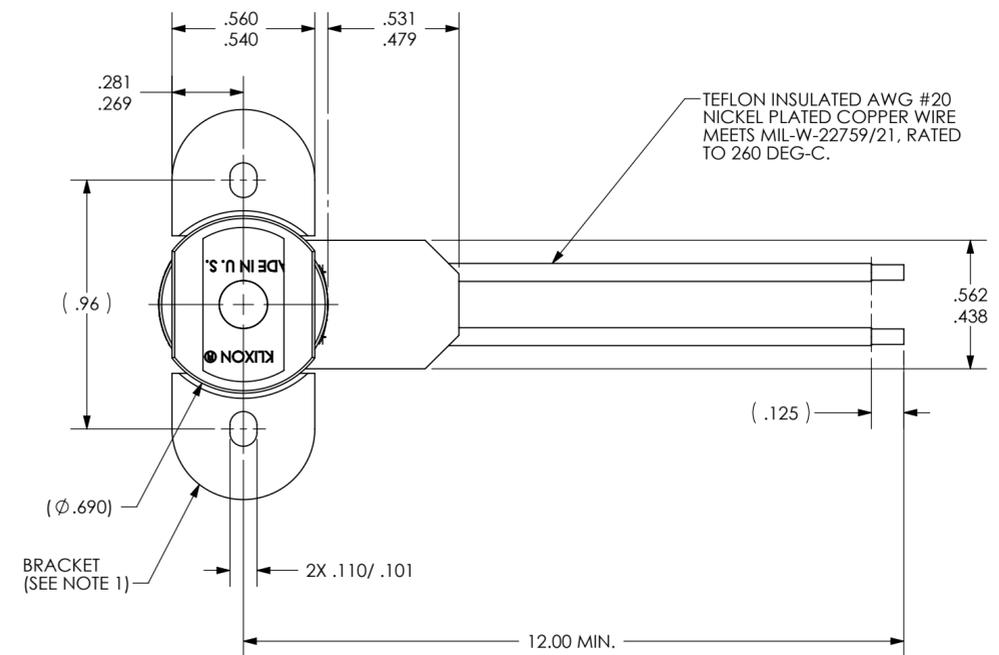
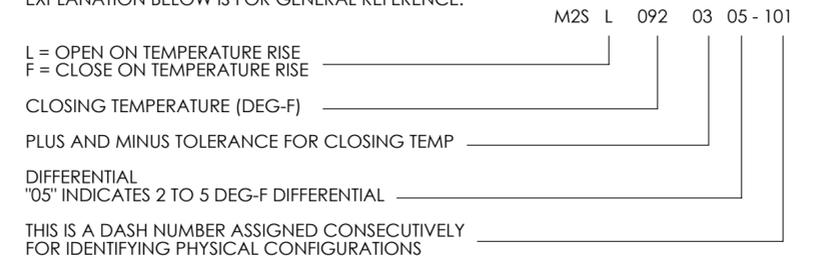


| ZONE | REV. | REVISION DESCRIPTION   | ECN NO.    | DATE        |
|------|------|--|------------|-------------|
| C2   | D    | NOTE 3 WAS "CONTACT RESISTANCE: 25 MILLIOHMS, MAXIMUM, AT BUILD, FOLLOWING ENDURANCE CYCLING TO 250,000 CYCLES, RESISTANCE TO BE 50 MILLIOHMS OR LESS."; | ECN0049460 | 09-MAR-2009 |
| B2   |      | NOTE 4 WAS "QUALIFICATION INFORMATION: SENSATA QUALIFICATION TEST PLAN, DOCUMENT #PDL01103989. ADDED "AFTER 161,000 CYCLES..." TO NOTE 5;                |            |             |
| B3   |      | NOTE 9 WAS "DEVICE TO MEET BOMBARDIER SPECIFICATION DRAWING CES-601R-984, DATED 6-6-2006.";  |            |             |
| C4   |      | ADDED "(TEMP. SIDE)" TO "TEMPERATURE SENSING SIDE" CALLOUT; DELETED DIMENSION .927-.947 & ADDED DIMENSION (.96); GML                                     |            |             |

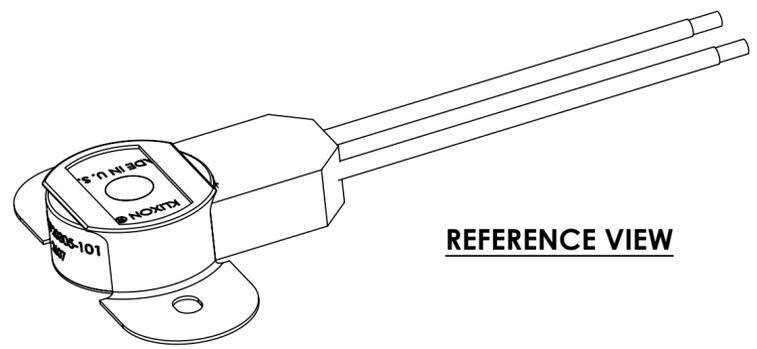
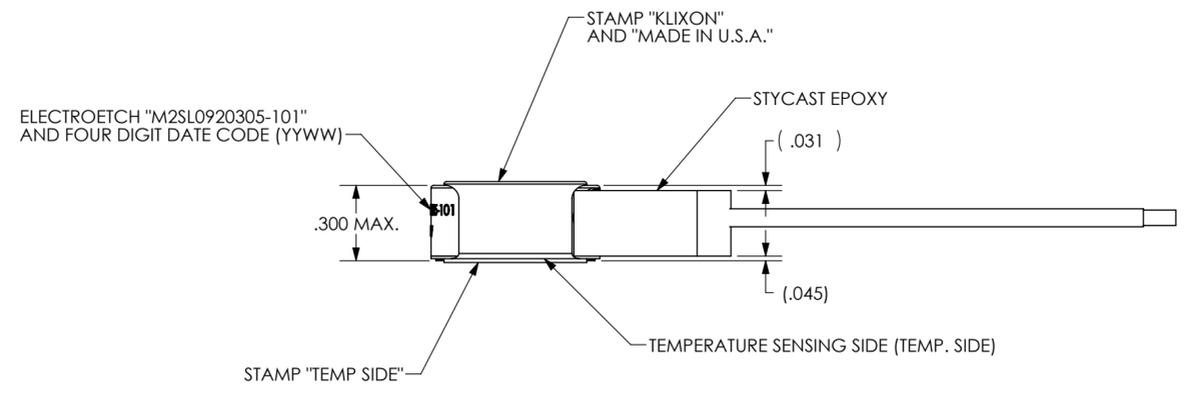


EACH PART NUMBER CONTAINS ELEVEN CHARACTERS WHICH CAN BE DIVIDED INTO FOUR SECTIONS OF SIGNIFICANCE, AND A DASH NUMBER WHICH INDICATES SPECIAL CHARACTERISTICS. THE EXPLANATION BELOW IS FOR GENERAL REFERENCE.



NOTES:

- #300 SERIES STAINLESS BRACKET (.021/.009 THICK) SHIPPED SEPARATE WITH THERMOSTAT.
- CONTACT MATERIAL: GOLD FLASHED SILVER.
- CONTACT RESISTANCE IS CHECKED PER PARAGRAPH 3.15 OF MIL-PRF-24236. RESISTANCE VALUES TO BE 50 MILLIOHMS, MAXIMUM, AT BUILD WHEN TESTED WITH 12 INCH TOTAL LENGTH) ATTACHED TO SWITCH AND TO BE 75 MILLIOHMS, MAXIMUM (PER ENGINEERING JUDGMENT) FOLLOWING ENDURANCE CYCLING OF 250,000 CYCLES AT RATED LOAD OF 28VDC 2.0A, WITH WIRE LEADS ATTACHED TO THE SWITCH.
- QUALIFICATION INFORMATION:  
 -QUALIFICATION TEST PLAN (QTP); DOC. #PDL01103989, REV. C -QUALIFICATION TEST REPORT (QTR); DOC. #PDL01108018, REV. C -QUALITY ASSURANCE SPECIFICATION (QAS) 982 -ACCEPTANCE TEST PROCEDURE FOR EQUIPMENT & TEST METHODS ON BOMBARDIER M2 THERMOSTAT PRODUCTS; DOC. #01115221, REV. A -CUSTOMER GUIDELINE - RECOMMENDED TEMPERATURE TEST PROCEDURE; DOC. #515371, REV. B.
- LIFE CYCLES AT RATED ELECTRICAL LOAD OF 28VDC 300 MILLIAMPS: 160,000 CYCLES. AFTER 161,000 CYCLES AT 28VDC 300 MILLIAMPS, THE SWITCH'S OPEN, CLOSE OR DIFFERENTIAL TEMPERATURES SHOULD NOT CHANGE BY MORE THAN 1.0 °F. AFTER 250,000 CYCLES AT 28VDC 2.0A, THE SWITCH OPEN, CLOSE OR DIFFERENTIAL TEMPERATURES SHOULD NOT CHANGE BY MORE THAN 2.0 °F. GUARANTEED LIFE CYCLES AND MTBF ARE THEN 250,000 CYCLES AT 28VDC 2.0A.
- ELECTRICAL RATING OF GOLD FLASHED SILVER CONTACTS: 28VDC 500 MILLIAMPS, MAXIMUM.
- WEIGHT (INCLUDING WIRES AND BRACKET): MAXIMUM 25 GRAMS.
- DEVICE TO BE COLD SOAKED DURING PRODUCTION TO ELIMINATE TEMPERATURE SETPOINT SHIFTING WHEN SUBJECTED TO COLD TEMPERATURE IN THE APPLICATION OF MINUS 67 DEG-F.
- DEVICE TO MEET BOMBARDIER SPECIFICATION DRAWING CES-601R-984, REVISION NC, DATED 3/17/2009.
- DIELECTRIC WITHSTAND VOLTAGE: 1500VAC FOR 5 SECONDS, TERMINAL TO CASE OR 1250VAC FOR 1 MINUTE, TERMINAL TO CASE, ELECTRICAL CURRENT LEAKAGE NOT TO EXCEED 500 MICROAMPS AT AMBIENT ATMOSPHERIC PRESSURE.
- INSULATION RESISTANCE: 500 MEGOHMS, MINIMUM @ 500VDC, TERMINAL TO CASE AT AMBIENT ATMOSPHERIC PRESSURE.



REFERENCE VIEW

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|--|--|---|---|
| FOR REFERENCE ONLY, CHECK LATEST REVISION BEFORE USE. PARTS MADE TO THIS PRINT MUST CONFORM TO E9898 REV. E. |  | 529 PLEASANT STREET<br>P.O. BOX 2964<br>ATTLEBORO, MA 02703 |   |
| DRAWN<br>DAN FREEDMAN<br>DATE 12-JUN-2007  | SENSATA TECHNOLOGIES PROPRIETARY AND CONFIDENTIAL. NEITHER THIS PRINT NOR THE INFORMATION CONTAINED HEREON IS TO BE USED AGAINST THE INTERESTS OF SENSATA TECHNOLOGIES OR AGAINST THE INTERESTS OF ANY OF ITS AFFILIATED COMPANIES OR WHOLLY OWNED SUBSIDIARIES. |   |   |
| ENGINEER<br>STEVEN MARQUIS<br>DATE 12-JUN-2007   | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES<br>TOLERANCES<br>DECIMALS                      ANGLES  |   |   |
| APPROVED<br>P. BERG<br>DATE 12-JUN-2007  | TITLE<br><b>THERMOSTAT<br/>         SPST AUTO RESET SEALED<br/>         ENVELOPE DRAWING</b>   |   |   |
| APPROVED<br>D. PETRIE<br>DATE 12-JUN-2007  | DO NOT SCALE DRAWING   | THIRD ANGLE PROJECTION                                      | SIZE DWG NO. REV.<br><b>C M2SL0920305-101 D</b> |
| SCALE 2:1 SOLIDWORKS SHEET 1 OF 1  |  | DEVICE: SPST PROJECT: 788 1                                 |   |