NOTES:
1. HE LEAK TEST @ 1 ATM. 1X10^-6 CC/SEC OR LESS. A -012 O-RING IS USED FOR TESTING PURPOSES AND LUBRICATED WITH IPA ONLY. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
3. ALL PARTS MUST PASS ALL TESTS.
4. WIRE COLOR POSITIONING IS CRITICAL.
5. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL’S DIAMETER:
   - ≤ .5 [12.7] SEAL DIAMETER: .035 [.89] MAX ALLOWED VOID SIZE
   - > .5 [12.7] SEAL DIAMETER: .060 [1.5] MAX ALLOWED VOID SIZE
6. REF-OPERATING TEMPERATURE -60 C TO 150 C.
7. REF-INSTALL WITH RETENTION #4-40 FASTENER & A #4 TYPE B REGULAR WASHER PER ANSI/ASME B18.22.1-1965
8. #4-40 RETENTION OPTION
9. SCALE 2 : 1
10. WIRES TO EXIT WITHIN 2X 5° 0° PRIOR TO TWISTING
11. OPTIONAL PART RETENTION #4-40 TAPPED HOLE MUST NOT BREAK THRU
12. ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES. ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE:
   - 0.5 X.X DECIMAL
   - 0.1 X.XX DECIMAL
   - 0.02 X.XXX DECIMAL
   - 0.005
13. ALL DIMENSIONS ARE INCHES [millimeters].
14. PAVE-SEAL CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.
15. BLACK WIRE TO BE MARKED WITH PAVE 4740 & BATCH CODE.
16. LABELS ON THE OUTSIDE OF EACH BAG TO BE MARKED WITH PAVE 4740, CAGE CODE, EATON 11-0033-4031, & BATCH CODE.
17. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON VACUUM SIDE OF HOUSING & EPOXY BOSS ON ATMOSPHERE SIDE.
18. WIRES WILL BE TWISTED INTO PAIRS ON BOTH SIDES OF PART, 2 TO 3 TWISTS PER INCH, PAIR COLORS PER TABLE.

TWISTED PAIR TABLE

<table>
<thead>
<tr>
<th>PAIR#</th>
<th>COLOR (ITEM#)</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BLACK (ITEM 2) + BROWN (ITEM 3)</td>
<td>WIRE 22T5 M22759/33-22 19/#34 SPC</td>
</tr>
<tr>
<td>2</td>
<td>RED (ITEM 4) + YELLOW (ITEM 6)</td>
<td>WIRE 22T5 M22759/33-22 19/#34 SPC</td>
</tr>
<tr>
<td>3</td>
<td>ORANGE (ITEM 5) + GREEN (ITEM 7)</td>
<td>WIRE 22T5 M22759/33-22 19/#34 SPC</td>
</tr>
</tbody>
</table>

ITEM | QTY | PART NUMBER | DESCRIPTION
-----|-----|-------------|-----------------|
8    | 1   | 4819        | HOUSING SP8S-E   |
7    | 1   | T222/33 GREEN| WIRE 22T5 M22759/33-22 19/#34 SPC |
6    | 1   | T222/33 YELLOW| WIRE 22T5 M22759/33-22 19/#34 SPC |
5    | 1   | T222/33 ORANGE| WIRE 22T5 M22759/33-22 19/#34 SPC |
4    | 1   | T222/33 RED | WIRE 22T5 M22759/33-22 19/#34 SPC |
3    | 1   | T222/33 BROWN | WIRE 22T5 M22759/33-22 19/#34 SPC |
2    | 1   | T222/33 BLACK | WIRE 22T5 M22759/33-22 19/#34 SPC |
1    | A/R | PAVE-Seal 200 | EPOXY BLACK |

*SEE NOTE 13