NOTES: UNLESS OTHERWISE SPECIFIED

1. SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL:
   HOUSING: THERMOPLASTIC
   SEAL: SILICONE RUBBER, COLOR: YELLOW

3. MODIFICATIONS: IN LINE
   REDUCED DIAMETER WIRE SEAL

4. SPECIFICATIONS:
   4.1 CURRENT RATING: 13 AMPS
   4.2 OPERATING TEMPERATURE: -55°C TO +125°C
   4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MLLIAMS CURRENT LEAKAGE @ 1500 VOLTS AC
   4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C
   4.5 MOISTURE RESISTANCE: IP67/IP69K (MATED CONDITION)
   4.6 MATING CYCLE DURABILITY: 100 CYCLES
   4.7 RoHS COMPLIANT

5. MATING PART: ATV06-18SX* PLUG
   (X = A,B,C,D KEYS ; * = MODIFICATIONS AND COLORS)

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

CONTACT SIZE AND REAR SEAL WIRE RANGE:

<table>
<thead>
<tr>
<th>CONTACT SIZE</th>
<th>MIN. INSUL. O.D.</th>
<th>MAX. INSUL. O.D.</th>
<th>TYPICAL WIRE RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>1.12 mm (.044 in)</td>
<td>2.31 mm (.090 in)</td>
<td>16 - 22 AWG</td>
</tr>
</tbody>
</table>
### Revisions

<table>
<thead>
<tr>
<th>REV</th>
<th>ECO</th>
<th>Description</th>
<th>Date</th>
<th>By</th>
<th>Approve By</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>-</td>
<td>RELEASE DRAWING</td>
<td>03MAY18</td>
<td>RMOR</td>
<td>TOMMY</td>
</tr>
<tr>
<td>A2</td>
<td>-</td>
<td>UPDATE NOTES</td>
<td>19FEB19</td>
<td>SULLEN</td>
<td>TOMMY</td>
</tr>
</tbody>
</table>

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**Process Specifications:**

**Material Specifications:**

**Quantity:**

**Appr By:**

**Engineer:**

**Checked:**

**Drawn:**

**Scale:**

**Part Number**

**Description**

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**Keyway (1)place**

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**Configuration Chart**

<table>
<thead>
<tr>
<th>Color</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>GREY</td>
<td>ATV04-18PA-RR01</td>
</tr>
<tr>
<td>BLACK</td>
<td>ATV04-18PB-RR01</td>
</tr>
<tr>
<td>GREEN</td>
<td>ATV04-18PC-RR01</td>
</tr>
<tr>
<td>BROWN</td>
<td>ATV04-18PD-RR01</td>
</tr>
</tbody>
</table>

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**Materials List**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ATV04-18PX-RR01</td>
<td>RECEPTACLE, IN LINE, 18 PIN, ATV SERIES REDUCED DIAMETER WIRE SEAL</td>
</tr>
</tbody>
</table>

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**Amphenol**

Site Systems - wwww.amphenol-sine.com
41924 Morley Drive
Clinton Township, MI 48036