NOTES: UNLESS OTHERWISE SPECIFIED
1. SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.
2. MATERIAL:
   HOUSING: THERMOPLASTIC
   SEAL: SILICONE RUBBER, COLOR: YELLOW
3. MODIFICATIONS: FLANGE MOUNT
   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 MILLIAMPS 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.

<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>

RECOMMENDED PANEL CUTOUT

INTERNAL SEALING SURFACE FINISH TO BE 30 OR BETTER

RECOMMENDED TORQUE VALUES: 1.5-2.0 N.m

- M5 x 0.8-6H THREAD SCREWS
- REQUIRES CONTACT RETENTION WEDGE AWS-18P

**MATERIALS LIST**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

**SINE SYSTEMS - www.amphenol-sine.com**

Clinton Township, MI 48036

**RECEPTACLE, FLANGE, 18 PIN, ATV SERIES**

**REDUCED DIA. WIRE SEAL**

**Dimensions:**
- 64.1
- 68.4 x 0.5
- 28.9
- 13.6
- 45.4
- 31.4

**Recommended Panel Cutout:**
- 64.1
- 46.8
- 28.5
- 8.7
- 32.6
- 18.8
- 32.1

**Referred to:** Sheet 2
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**Configuration Chart**

**Color** | **Part Number**
---|---
Grey | ATV02-18PA-RR01
Black | ATV02-18PB-RR01
Green | ATV02-18PC-RR01
Brown | ATV02-18PD-RR01

**Materials List**

**Part Number** | **Description**
---|---
ATV02-18PX-RR01 | Receptacle, flange, 18 pin, ATV series reduced dia wire seal

**Signatures**

- **Date**: 03/05/18
- **Reviser**: RMOR
- **Appr By**: TOMMY

**Update Notes**

- A1 - Release Drawing 03/05/18 RIMON TOMMY
- A2 - Update Notes 19/02/19 SULLEN TOMMY