SHIELD-PACK™ AK CLASS 1

**SHIELD-PACK™ AK FAMILY BENEFITS**

- Standard AK interface
- High vibrations and operating temperatures
- Multiple layouts & HVIL options in the same interface

**AK CLASS 1 FEATURES**

- Connector according to AK interface specification and LV215 latest revision
- Finger proof/touch safe
- Multicore shielded cable for wiring simplification
- Fully interchangeable with other AK supplier sources

**AVAILABLE CONFIGURATIONS**

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Wire-to-device</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Exit Orientation</td>
<td>180°</td>
</tr>
<tr>
<td>Cable Range</td>
<td>2.5 and 4.0 mm²</td>
</tr>
<tr>
<td>Terminal Type</td>
<td>2.8 mm</td>
</tr>
<tr>
<td>Shielding</td>
<td>Multicore</td>
</tr>
<tr>
<td>HVIL</td>
<td>Yes</td>
</tr>
<tr>
<td>Number of Indexes</td>
<td>5</td>
</tr>
</tbody>
</table>

**APPLICATIONS**

- Electric AC
- PTC Heaters
- Inverts
- On-board chargers

See back page for representative part numbers and packaging dimensions.

**TECHNICAL CHARACTERISTICS**

- **TEMP RANGE**
  - +140°C
  - -40°C

- **MAX CURRENT AT 85°C**
  - 32 A

- **MAX DC VOLTAGE**
  - 1000 V

- **ELECTRICAL PROTECTION**
  - IP2XB
  - IPXXD

- **VIBRATION LEVEL**
  - V2

- **SEALING CLASS**
  - IP67, IP6K9K

**APPLICATIONS**

- Electric AC
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**About Aptiv**

Aptiv is a global technology company that develops safer, greener and more connected solutions enabling the future of mobility. Headquartered in Dublin, Aptiv has approximately 150,000 employees and operates 14 technical centers, as well as manufacturing sites and customer support centers in 45 countries.

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<table>
<thead>
<tr>
<th>Part number</th>
<th># of ways</th>
<th>Gender</th>
<th>Description</th>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>33372017</td>
<td>2</td>
<td>Female</td>
<td>Connector outer housing</td>
<td>A</td>
</tr>
<tr>
<td>33372014</td>
<td>2</td>
<td>Female</td>
<td>Connector outer housing</td>
<td>B</td>
</tr>
<tr>
<td>33372016</td>
<td>2</td>
<td>Female</td>
<td>Connector outer housing</td>
<td>C</td>
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<tr>
<td>33372015</td>
<td>2</td>
<td>Female</td>
<td>Connector outer housing</td>
<td>D</td>
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<tr>
<td>35061103</td>
<td>2</td>
<td>Female</td>
<td>Connector outer housing</td>
<td>E</td>
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<td>35174511</td>
<td>2</td>
<td>Female</td>
<td>Inner housing</td>
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<td>35174509</td>
<td>2</td>
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<td>Inner housing with HVIL shunt</td>
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<td>35174448</td>
<td>3</td>
<td>Female</td>
<td>Inner housing</td>
<td>-</td>
</tr>
</tbody>
</table>

**COMPATIBLE WITH**

- DCK 2.8 female terminal 2.5 mm² and 4 mm²
- Duo twin 0.64 male terminal 0.5 mm² (HVIL pass-through version only)
- AK Class 1 Header

Part numbers, specifications, dimensions and performance data in this document are for general references only and are subject to change without notice. To verify product information, please contact an Aptiv representative.