SHIELD-PACK™ HV280/630 SPLICE

SHIELD-PACK™ FAMILY BENEFITS

- Removes splices from the wiring harness and integrates splicing capabilities into connector
- No mechanical assist needed for mating

HV280/630 SPLICE FEATURES

- Tool-less unmating system
- Finger proof/touch safe
- Panel mount to device with face seal
- Aluminum compression bushings
- Internal HVIL (shunted in harness connector)
- ISO cable compatible

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>3 - 5 mm²</td>
</tr>
<tr>
<td>Terminal type</td>
<td>CTS 2.8(2) / 6.3(2)</td>
</tr>
<tr>
<td># of Terminals</td>
<td>4</td>
</tr>
<tr>
<td>Shielding</td>
<td>Individual</td>
</tr>
<tr>
<td>HVIL</td>
<td>Shunt on female</td>
</tr>
<tr>
<td>Assembly Assurance</td>
<td>CPA</td>
</tr>
<tr>
<td>Number of Indexes</td>
<td>4</td>
</tr>
<tr>
<td>Header Footprint</td>
<td>48 x 48 mm</td>
</tr>
</tbody>
</table>

APPLICATIONS

Splicing accessory loads

See back page for representative part numbers and packaging dimensions.

TECHNICAL CHARACTERISTICS

- MAX CURRENT AT 85°C: 40 A
- MAX DC VOLTAGE: 1000 V
- VIBRATION SPEC: SAE/USCAR 2 R6 2013-02
- ELECTRICAL PROTECTION: IP2XB
- VIBRATION LEVEL: V1
- SEALING CLASS: IP67, IP6K9K
- TEMP RANGE: +125°C to -40°C

APPLICATIONS

Splicing accessory loads

See back page for representative part numbers and packaging dimensions.

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.

Visit aptiv.com
**PART NUMBERS**

<table>
<thead>
<tr>
<th>Index</th>
<th>Header Outer</th>
<th>Header Inner</th>
<th>Mating Device Print Detail</th>
<th>Harness Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>33300632</td>
<td>33311166</td>
<td>35016237</td>
<td>33300634</td>
</tr>
<tr>
<td>102</td>
<td>33300633</td>
<td>33311167</td>
<td></td>
<td>33300635</td>
</tr>
</tbody>
</table>

**COMPATIBLE WITH**

- CTS 2.8 Series Terminals
- CTS 6.3 Series Terminals

---

**APPLICATION GUIDE**

Power circuits shown, two sets of 2 in x 1 out

Application Guide for Aptiv 4W CTS 630/280 Shilded Connection

Typical Application – * Load Current Guidance

Input from DC power supply: 40 - 45 A
Current to Device #1: ≤ 40 A
Current to Device #2: ≤ 30 A

*Connector current ratings in vehicle applications will be affected by multiple factors including device heating, harness coverings, and device duty cycles. Please review application details with Aptiv Product Engineering for verification of current carrying capability.

---

**DIMENSION MEASUREMENT SAMPLE**

Terminal crimp wings are shown un-crimped.

---

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.