ePower-Lite

The ePower-Lite is a plastic power connector series designed to be used in the hybrid electric vehicle market. The series offers 2-pole, 3-pole and 4-pole options. The robust plastic shell can withstand high temperatures up to 125°C and provides dielectric protection for the connector.

With patented RADSOK® technology, the connector features higher amperage, lower T-rise and voltage drop, and less resistance.

The compact, plastic shell structure is light weight with a small footprint, and is field installable and repairable. ePower-Lite also includes a CPA to provide connector position assurance that it is mated. All these attributes make ePower-Lite the interconnect of choice for the EV and Hybrid markets.

Features and Benefits:

- Plastic shell, light weight
- Compact design for space considerations with EVs
- Low mating/un-mating force
- Durability: 100 mating cycles minimum
- Water Proof: IP67
- Touch-Proof: IEC 60529
- Flammability: UL 94V-0
- EMC optional
- HVIL optional
- RoHS Compliant

www.amphenol-industrial.com
Technical Data

<table>
<thead>
<tr>
<th>Contact Test Current</th>
<th>Pole Number</th>
<th>Contact Size</th>
<th>Exposure</th>
<th>Protectant</th>
<th>Test Voltage (Sea Level)</th>
<th>Operating Temperature</th>
<th>Operating Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pole 70 Amps/7.5 Amps</td>
<td>2 &amp; 2</td>
<td>3.6mm²/20</td>
<td>Salt Spray</td>
<td>96H</td>
<td>3000 VAC RMS</td>
<td>-40°C to 125°C</td>
<td>800V VAC</td>
</tr>
<tr>
<td>3-Pole 70 Amps/7.5 Amps</td>
<td>3 &amp; 2</td>
<td>3.6mm²/20</td>
<td>HVIL</td>
<td>Optional</td>
<td>3000 VAC RMS</td>
<td>-40°C to 125°C</td>
<td>800V VAC</td>
</tr>
<tr>
<td>4-Pole 70 Amps/13 Amps</td>
<td>4 &amp; 2</td>
<td>3.6mm²/16</td>
<td>Recommended Torque</td>
<td>M4.4-6N.M</td>
<td>3000 VAC RMS</td>
<td>-40°C to 125°C</td>
<td>800V VAC</td>
</tr>
</tbody>
</table>

Key Marking

For further information on your individual application requirements, contact: Amphenol Corporation

For further information on your individual application requirements, contact: Amphenol Corporation

North America:
Amphenol Industrial Operations
180 N. Freeport Drive, Plant 4
Nogales, AZ 85621
Tel: (888) 364-9011
Fax: (520) 285-5134
Email: tech@amphenol-aio.com

Europe:
Amphenol Industrial Operations Europe
Via Barbariana 5
1-20020 Lainate (Mi) Italy
Tel.: +39 02 93254.204
Fax: +39 02 93254.444
Email: info@amphenol-aio.com

Middle East:
Amphenol Middle East Enterprises FZE
Office C-37 PO Box 21107
Ajman Free Zone, UAE
Tel: +9716-7422494
Fax: +9716-7422941
Email: jhussain@amphenol-industrial.com

Asia:
Amphenol Technology (Zhuhai) Co., Ltd.
No. 63 Xing Han Road, San Zao Town
Jin Wan District, Zhuhai City, China 519040
Tel: +86 799-399780
Fax: +86 755-3997876
Email: enquiry@amphenol-aio.com

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.