Amphenol Industrial Operations now offers an 8.0mm SurLok Plus™ product with EMI protection.

The SurLok Plus™ compression lug is a field installable, highly reliable alternative to common compression lugs. Using industry standard crimp, screw, and busbar termination options, thus eliminating the need to purchase special torque tools.

Amphenol’s SurLok Plus™ is environmentally sealed and features a quick lock and press-to-release design. Incorporating the latest R4 RADSOK® Technology, SurLok Plus™ is a compact, quick mating, and robust product line.

The RADSOK® high amperage contact technology utilizes high tensile strength properties of a stamped and formed, high conductivity alloy grid to produce low insertion forces while maintaining a large conductive surface area.

The R4 version of the RADSOK® represents the culmination of three years of research and development in laser welding copper based alloys.

The SurLok Plus™ EMI version has all of the high performance of the original but features EMI shielding which lends itself well to the EV market and its applications.

Features:
- EMI shielding
- HVIL function
- Secondary locking system
- Flammability: UL 94 V-0
- Wide amperage range: Up to 250A
- RoHS compliant
For further information on your individual application requirements, contact: Amphenol Corporation

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The markets and applications for the SurLok Plus™ EMI Version series include but are not limited to the following:

- EV/HEV
- BMS/Energy Storage
- Process Control/Automation
- Heavy Equipment

### Technical Data

<table>
<thead>
<tr>
<th>Contact Size</th>
<th>8.0mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Rating</td>
<td>Up to 250A</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>1000V AC/DC</td>
</tr>
<tr>
<td>Operating Temp</td>
<td>-40°C to 125°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Right Angle Plug Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
</tr>
<tr>
<td>8.0mm</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Straight Plug Dimensions</th>
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<tbody>
<tr>
<td>Size</td>
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<tr>
<td>8.0mm</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Receptacle Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
</tr>
<tr>
<td>8.0mm</td>
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</tbody>
</table>

### Product Series: SurLok Plus™ EMI Version

**Plug**

- **RADSOK® Size**
  - B: 8.0mm
  - IP: Straight Plug
  - P: Right Angle Plug 90°

- **Applicable Cable Size**
  - 35: 35mm² : 150 Amps
  - 50: 50mm² : 200 Amps
  - 70: 70mm² : 250 Amps

- **Backshells**
  - B: W/ Backshells
  - S: IP67 Sealed (W/ Grommet & O-Rings)
  - N: W/O Backshells (For Overmolding Only)

- **Sealing**
  - Non-Sealed

- **Connector Color**
  - Black
  - Orange
  - Red

- **Keyway**
  - 0°: 90°
  - 1: 270°
  - 2: 60°
  - 3: 120°
  - 4: 150°

- **EMI HVIL**
  - Optional

**Receptacle**

- **RADSOK® Size**
  - B: 8.0mm
  - IR: Receptacle (W/ Keyway)

- **Termination Style**
  - P: Panel Mount W/ Flange

- **Panel Mount**
  - S: IP67 Sealed (W/ Grommet & O-Rings)

- **Sealing**
  - Non-Sealed

- **Connector Color**
  - Black
  - Orange
  - Red

- **Keyway**
  - 0°: 90°
  - 1: 270°
  - 2: 60°
  - 3: 120°
  - 4: 150°

- **EMI HVIL**
  - Optional

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