**SUMMARY**

### # Wires

| Low voltage | 14 |

<table>
<thead>
<tr>
<th>Series</th>
<th>1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Termination type</td>
<td>Male solder</td>
</tr>
<tr>
<td>IP rating</td>
<td>50</td>
</tr>
<tr>
<td>AWG wire size</td>
<td>34.00 - 28.00</td>
</tr>
<tr>
<td>Cable Ø</td>
<td>6.30 - 7.20 mm</td>
</tr>
<tr>
<td>Status</td>
<td>active</td>
</tr>
<tr>
<td>Matching parts</td>
<td>FGG.1B.314.GLL</td>
</tr>
</tbody>
</table>

**Download**
- Request a quote
- Catalog
- See video assembly instructions

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**TECHNICAL DETAILS**

**Mechanics**
- **Shell Style/Model**: FG*: Straight plug, cable collet, PEEK outer shell
- **Keying**: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
- **Housing Material**: PEEK (Polyetheretherketone) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve+mid pieces (if plug)
- **Weight**: 12.15 g

**Performance**
- **Configuration**: 1B.314 : 14 Low Voltage
- **Insulator**: L: PEEK (UL 94 / V-0/1.5)
- **Rated Current**: 2 Amps

**Specifications**
- **Contact Type**: Solder
- **Contact Dia.**: 0.5 mm (0.02in)
- **Bucket Dia.**: 0.45 mm (0.018in)
- **Max. Solid Conductor**: 0.09 mm² (AWG 28)
- **Max. Stranded Conductor**: 0.09 mm² (AWG 28)
- **R (max)**: 8.7 mOhm
- **Vtest (contact-shell)**: 1200 V (AC), 1700 V (DC)
- **Vtest (contact-contact)**: 800 V (AC), 1130 V (DC)

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Others

Endurance (Shell): 5000
Temp (min / max): -50 °C / +250 °C
Humidity (max): <=95% [at 60 deg C / 140 F]
Vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [6 ms]
Climatical Category: 50/175/21
Shielding (min): 75 dB (10 MHz)
Shielding (min): 40 dB (1 GHz)

**DRAWINGS**

**Dimensions**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>L</th>
<th>M</th>
<th>S2</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm.</td>
<td>13.5</td>
<td>43</td>
<td>32</td>
<td>10</td>
</tr>
<tr>
<td>in.</td>
<td>0.53</td>
<td>1.69</td>
<td>1.26</td>
<td>0.39</td>
</tr>
</tbody>
</table>

**RECOMMENDED BY LEMO**

**Tools**

Spanner wrench: [DCD.1B.ZZZ.PA090](#)
Caps: [BFG.1B.100.PCSG](#)

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