Assembly Instructions:

1. Remove 20mm of the outer insulation from one end of cable POS3.
2. Remove 4mm insulation from each of the two wires as shown in Fig.1.
3. Now insert the ends of the wires into the crimps POS2 (including approximately 2mm of the insulation) and crimp securely using ONLY the correct crimping tool.
4. Insert the crimps into the connector housing POS1 as shown in Fig.3.
5. Repeat steps 1 to 5 for the other end of the cable POS3.
6. Now carefully roll the cable assembly into a loop and place inside plastic bag POS4.

QC instructions:
Only use the crimping tool designed for the crimps POS2. Make sure that the insulation on each wire is firmly held by the crimp. Use the red wire as a reference to check polarity.

TRACOPOWER Order Code: TSP-JC
Remote link cable for current sharing: 2 cables 0.5 m included with REM module
Remote link cable for battery control: 1 cable 0.5 m included with BCM module
Remote control input cable: not included
FEATURES AND SPECIFICATIONS

Features and Benefits
- Sizes 1 to 25 circuits
- 6471 is end-to-end stackable (2 housings only)
- 2695 version with or without locking ramp and polarizing ribs

Reference Information
Product Specification: PS-10-07
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: Molex KK 2.54mm (.100") pitch headers and 0.04mm (.025") pins
Use With: 2695—2759, 6459 or 41572 terminals
6471—4809 terminals

Designed In: Inches

Electrical*
- Voltage: 250V
- Current: Phosphor Bronze—4.0A max.
- Brass—2.5A max.
- Contact Resistance: 20mΩ max.
- Dielectric Withstanding Voltage: 1500V AC
- Insulation Resistance: 50K MΩ min.

Mechanical*
- Contact Insertion Force: 681g (1.5 lb) max.
- Contact Retention to Housing: 3.63kg (8 lb) min.
- Mating Force: 199g max.
- Unmating Force: 57g min.
- Normal Force: 200g min.

Physical
- Housing: 2695—Red nylon, UL 94V-0
- 6471—White nylon, UL 94V-0
- Temperature: 0 to +75˚C

2.54mm (.100") Pitch
K™ Crimp Terminal Housing
2695/6471

ORDERING INFORMATION AND DIMENSIONS

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Dimension</th>
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<td>2695</td>
<td>6471</td>
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<td>22-01-2071</td>
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<td>22-01-2124</td>
<td>22-01-2125</td>
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</table>

Note: 2695 shown

- US Standard Product, available through Molex franchised distributors
- * When mated with Molex product only
- † For circuits 19-28, contact factory
2.54mm (.100”) Pitch
KK®
Crimp Terminal
4809
Anti-Fishhooking

Features and Benefits
- Avoids tangling at pre-assembly
- Available with cat ears

Reference Information
Product Specification: PS-10-07
Packaging: Reel or bag
Tooling Information: See crimp tooling section
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5051-NM and 6471 housings
Designed In: Inches

Electrical
Voltage: 250V
Current: 2.5A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 500K Megohms min.

Mechanical
Contact Insertion Force: 681g max.
Contact Retention to Housing: 27.21g min.
Wire Pull-Out Force: 3 lb min.
Mating Force: 199g max.
Unmating Force: 57g min.
Normal Force: 300g
Durability: 50 cycles Gold and 25 cycles Tin

Physical
Contact: Brass
Plating: Gold, select Gold and Tin
Operating Temperature: Storage—-40 to +105˚C
Operating——0 to +75˚C
Wire Accommodation: 22 to 30 AWG

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Bag</th>
<th>Reel</th>
<th>Plating</th>
<th>Crimp Wire Size</th>
<th>Insulation Diameter</th>
<th>Engineering No.</th>
<th>Lead-free</th>
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<tbody>
<tr>
<td>08-50-0032</td>
<td>08-50-0031</td>
<td>0.38mm Gold in contact area only</td>
<td>22-30</td>
<td>1.57 (.062) max.</td>
<td>4809</td>
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<td>08-55-0111</td>
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<td>0.38mm Gold in contact area, Gold flash overall</td>
<td>22-30</td>
<td>1.57 (.062) max.</td>
<td>4809</td>
<td>Yes</td>
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</table>

2.54mm (.100”) Pitch
KK®
Crimp Terminal
7879
High Pressure

Features and Benefits
- Multiple contacting points
- Patented triple cantilever with box shroud
- Suitable for high vibration requirements
- Box shroud prevents contamination to the contact surface
- Crimping die or hand tool available

Reference Information
Product Specification: PS-7879
Packaging: Reel or bag
Tooling Information: See crimp tooling section
UL File No.: E29179
CSA File No.: LR19980
Use With: 7880 housings
Designed In: Inches

Electrical
Voltage: 250V
Current: 2.5A
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 50K Megohms min.

Mechanical
Wire Pull-Out Force:

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<th>Wire Gauge (AWG)</th>
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<th>20</th>
<th>18</th>
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<td>Pull-Out Force (lb)</td>
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<td>8</td>
<td>6</td>
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Mating Force: 475g max.
Unmating Force: 90g min.
Normal Force: 430g min.

Physical
Contact: Brass
Plating: See Table
Wire Accommodation: 22 to 30 AWG
Insulation Range: 1.58mm (.062") diameter max.

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<th>Order No.</th>
<th>Reel</th>
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<th>Plating</th>
<th>Wire Gauge (AWG)</th>
<th>Insulation Diameter</th>
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<td>Tin/Copper</td>
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<td>08-55-0124</td>
<td>08-55-0129</td>
<td>Select Gold</td>
<td>22-30</td>
<td>1.57 (.062) max.</td>
<td>Yes</td>
<td></td>
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</tbody>
</table>

www.molex.com/product/kk/kk.html