**T4 CONNECTOR**

**PRODUCT OVERVIEW**

T4 connectors use high quality materials that guarantee long-term reliability. Lower contact resistance and higher current transfer capability ensure high product efficiency. T4 connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 90 °C.

**CERTIFICATIONS**

UL 6703: CSA  
IEC 62852: TÜV-SÜD  
UKCA, RoHS, REACH, NEC, PAHS and Halogen-free compliant  
(no locking sleeve required)

**ELECTRICAL DATA**

| Rated Voltage | IEC 1500 V ac & UL1500 V dc  
| Rated Current | 41A (4 mm²) / 40A (12 AWG)  
|              | 48A (4 mm²) / 40A (12 AWG)  
|              | 50A (6 mm²) / 55A (10 AWG)  
|              | 54A (6 mm²) / 55A (10 AWG)  
| Contact Resistance | ≤ 0.25 mΩ  
| Pollution Degree | Class II  
| Protection Class | Class II  
| Protection Degree | IP68 (when mated)  
| Fire Resistance | UL 94-V0  
| Temperature Range | -40 °C ~ +90 °C  
| Rated Impulse Voltage | 16 kV

**MECHANICAL DATA**

| Conductor Cross Section | IEC: 4 mm² / 6mm²; UL:10AWG/12AWG  
| Connector System | Φ 4.0 mm  
| Contact Material | Copper, Tin-plated  
| Type of Termination | Crimping  
| Locking System (UL) | Locking type

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ACCESSORIES ORDER INFORMATION

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Packing Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>T4-TOOLKIT COMPONENTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wire stripper tool</td>
<td>1 piece</td>
<td></td>
</tr>
<tr>
<td>Wire crimping tool</td>
<td>1 piece</td>
<td></td>
</tr>
<tr>
<td>Cutting pliers</td>
<td>1 piece</td>
<td></td>
</tr>
<tr>
<td>T4 disconnect tool</td>
<td>2 pieces</td>
<td></td>
</tr>
<tr>
<td>Metal wrench</td>
<td>2 pieces</td>
<td></td>
</tr>
<tr>
<td>Crimping tool accessory</td>
<td>1 piece</td>
<td></td>
</tr>
<tr>
<td>T4 Spare connectors</td>
<td>2 pairs</td>
<td></td>
</tr>
<tr>
<td>Installation manual</td>
<td>1 copy</td>
<td></td>
</tr>
</tbody>
</table>

T4-TOOLKIT SIZE

<table>
<thead>
<tr>
<th>Size</th>
<th>360×345×75 mm (14.2×13.6×2.9 in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>3kg (6.6 lbs)</td>
</tr>
</tbody>
</table>

The specifications and features described in this datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, Tlian reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein. The connector must be isolated and disconnected from the power supply during the assembly or disassembly process. Do not disconnect under load. The use of a PV cable is recommended. Avoid any grease or oils contacting the body of the T4 PV connector. Please read the safety and installation instructions before using the connector.

CAUTION:
1. The exposure to or direct contact with chemicals or oils of T4 products may cause corrosion, degradation of performance, or cracking of the product, thus such exposure or direct contact should be strictly prohibited during the process of product manufacturing, transportation, installation and application. The chemicals that may come into contact with or be used in the process above. It is the user’s responsibility to validate that such chemical will not affect the performance of T4 products.
2. Any T4 family products can be intermated with each other.
3. Interconnection of different connector types/brands with T4 is not allowed.
4. Recycling and all other types of comparable disassembly of the above mentioned products have to be performed by a qualified waste management company, in compliance with national and local waste management regulations.

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