UTL Series

SOURIAU
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The UTL series is a sealed plastic connector range able to carry up to 16A 277V.

- Key shape coupling with latching retention system ✓ Easy mating
- Designed to be overmolded ✓ Secure against unwanted tampering.
- UV resistant. F1 material + IP68 ✓ Suitable for outdoor use
- Fire & smoke: UL 94 5VA ✓ Can be used in public environment
- Compliant with luminaires standard UL 1598, IEC 60598 ✓ Easy qualification of your system by regulation authorities

The reliable connector to power up your device
## Specifications

<table>
<thead>
<tr>
<th>Contact type</th>
<th>Connector type</th>
<th>Male insert</th>
<th>Female insert</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crimp contacts supplied</td>
<td>Square flange receptacle</td>
<td>UTL0103G1P</td>
<td>UTL0103G1P03</td>
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<tr>
<td></td>
<td>Plug</td>
<td>UTL6103G1P</td>
<td>UTL6103G1P03</td>
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<td>Jam nut receptacle</td>
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<td>Inline receptacle</td>
<td>UTL1103G1P</td>
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## Contacts

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<tr>
<th># 16</th>
<th>Contact type</th>
<th>AWG</th>
<th>Part number</th>
<th>Max wire Ø</th>
<th>Max insulator Ø</th>
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<td></td>
<td>Male</td>
<td>Female</td>
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<tr>
<td></td>
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<td>30-28</td>
<td>RM28M1K(1)</td>
<td>RC28M1K(1)</td>
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<td>26-24</td>
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<td>22-20</td>
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<td>RC20M13K(1)</td>
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<td>RM16M23K(1)</td>
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<td>RM16M25K(3)</td>
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<td>RM14M30K(1)</td>
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<td>26-24</td>
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<td>SC24M1TK6(1)(2)</td>
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<td>SC14M1TK6(1)(2)</td>
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### Notes
- (1): Example of plating
- (2): Loose piece contact available if putting L. Example: SM20M1TK6
- (3): Sealed contacts

## Technical features

### Mechanical
- Durability: 1000 cycles (with stamped & formed contacts & S18 plating)
- Vibration resistance: Sinusoidal vibrations per IEC 60512-4 - from 10 to 2000 Hz
- Body connector + Backshell: Thermoplastic
- Insert: Thermoplastic
- Nut: Metal

### Electrical
- Working voltage: 277VAC per UL 1977
- 277/480VAC per UL 1977
- Rated current: 16A
- Connector for breaking circuit

### Environmental
- Operating temperature: from -40°C to +105°C
- Flammability rating: UL 94 5VA
- Salt spray: ≥1000 hours
- UV resistant: F1material per the UL 746C
- Sealing:
  - IP68/69K - IP6X mated & unmated
  - IPX8: mated (10m. underwater during 1 week)
  - IPX8: unmated with sealed contact (1m. underwater during 1 week)
Assembly instruction

**UTS 0 assembly (mounting suggestion)**
- Strip wires, crimp contacts
- Insert contacts into connector cavities (insert manually or use tool RTM205 crimp contacts)
- Place receptacle in the panel cut-out
- Secure receptacle with screws (not supplied)

**UTS 7 assembly (mounting suggestion)**
- Strip wires, crimp contacts
- Insert contacts into connector cavities (insert manually or use tool RTM205 crimp contacts)
- Seat o-ring, place receptacle in the panel cut-out
- Tighten jam nut
- Jam nut torque: 4 Nm, tool tightening: 22.25

**UTS 6 assembly**
- Strip external cable jacket
- Strip wires, crimp contacts
- Insert contacts into connector cavities (insert manually or use tool RTM205 crimp contacts)
- Overmold the cable and the plug