Description
IP68 rated sealed circular connectors, plugs and sockets designed to deliver safe, secure and reliable connections for harsh environment applications. Soldered terminals available in 2, 3, 4, 5 and 6 pin variants | Screw Terminal available in 2, 3 and 4 pin variants.

Application
Rated at up to 250V and 12A the Grafter connectors are suitable for lighting, audio, nav kit and many other electrical accessories. They are small and unobtrusive, and come with waterproof caps to keep the water out when they are disconnected.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solder cable connection pin-count</td>
<td>2, 3, 4, 5 and 6 pin variants</td>
</tr>
<tr>
<td>Screw cable connection pin-count</td>
<td>2, 3 and 4 pin variants</td>
</tr>
<tr>
<td>Environmental certification</td>
<td>IP68</td>
</tr>
<tr>
<td>Rated Voltage</td>
<td>250V</td>
</tr>
<tr>
<td>Rated Current</td>
<td>12A</td>
</tr>
<tr>
<td>Cable size</td>
<td>Cable seals for different diameter cables included</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part No</th>
<th>Description</th>
<th>Fitted</th>
<th>Rating</th>
<th>Suitable For Cable Size</th>
<th>Dimensions L x Dia mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>22AM02PL</td>
<td>2-Pin In-line connector</td>
<td>Male</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
<tr>
<td>22PF03F</td>
<td>2-Pin panel-mount socket with protective cap</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>24 x 31</td>
</tr>
<tr>
<td>22AF02PL</td>
<td>2-Pin In-line connector</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
<tr>
<td>22AM03PL</td>
<td>3-Pin In-line connector</td>
<td>Male</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
<tr>
<td>22PF03F</td>
<td>3-Pin panel-mount socket with protective cap</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>24 x 31</td>
</tr>
<tr>
<td>22AF03PL</td>
<td>3-Pin In-line connector</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
<tr>
<td>22AM04PL</td>
<td>4-Pin In-line connector</td>
<td>Male</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
<tr>
<td>22PF04F</td>
<td>4-Pin panel-mount socket with protective cap</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>24 x 3</td>
</tr>
<tr>
<td>22AF04PL</td>
<td>4-Pin In-line connector</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
<tr>
<td>22AM05PL</td>
<td>5-Pin In-line connector</td>
<td>Male</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
<tr>
<td>22PF05F</td>
<td>5-Pin panel-mount socket with protective cap</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>24 x 31</td>
</tr>
<tr>
<td>22AF05PL</td>
<td>5-Pin In-line connector</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
<tr>
<td>22AM06PL</td>
<td>6-Pin In-line connector</td>
<td>Male</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
<tr>
<td>22PF06F</td>
<td>6-Pin panel-mount socket with protective cap</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>24 x 31</td>
</tr>
<tr>
<td>22AF06PL</td>
<td>6-Pin In-line connector</td>
<td>Female</td>
<td>250V 12A</td>
<td>5 - 8.5mm</td>
<td>54 x 26</td>
</tr>
</tbody>
</table>

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## Value Range
### IP68 Grafter™ Connector Series
#### Technical Data Sheet

<table>
<thead>
<tr>
<th>Part No</th>
<th>Description</th>
<th>Fitted</th>
<th>Rating</th>
<th>Suitable For Cable Size</th>
<th>Dimensions L x Dia mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>22PCFA</td>
<td>Protective cap Male (Aluminium)</td>
<td>-</td>
<td>-</td>
<td></td>
<td>13 x 26mm</td>
</tr>
<tr>
<td>22PCMP</td>
<td>Protective cap Female (Plastic)</td>
<td>-</td>
<td>-</td>
<td></td>
<td>13 x 26mm</td>
</tr>
</tbody>
</table>

### Technical Specifications

- **Part No**: 23AM02PL
- **Description**: 2-Pin In-line connector Screw cable connection
- **Fitted**: Male
- **Rating**: 250V 12A
- **Dimensions**: 54 x 26mm

- **Part No**: 23PF02F
- **Description**: 2-Pin panel-mount socket with protective cap Screw cable connection
- **Fitted**: Female
- **Rating**: 250V 12A
- **Dimensions**: 24 x 31mm

- **Part No**: 23AF02PL
- **Description**: 2-Pin In-line connector Screw cable connection
- **Fitted**: Female
- **Rating**: 250V 12A
- **Dimensions**: 54 x 26mm

- **Part No**: 23AM03PL
- **Description**: 3-Pin In-line connector Screw cable connection
- **Fitted**: Male
- **Rating**: 250V 12A
- **Dimensions**: 54 x 26mm

- **Part No**: 23PF03F
- **Description**: 3-Pin panel-mount socket with protective cap Screw cable connection
- **Fitted**: Female
- **Rating**: 250V 12A
- **Dimensions**: 24 x 31mm

- **Part No**: 23AF03PL
- **Description**: 3-Pin In-line connector Screw cable connection
- **Fitted**: Female
- **Rating**: 250V 12A
- **Dimensions**: 54 x 26mm

- **Part No**: 23AM04PL
- **Description**: 4-Pin In-line connector Screw cable connection
- **Fitted**: Male
- **Rating**: 250V 12A
- **Dimensions**: 54 x 26mm

- **Part No**: 23PF04F
- **Description**: 4-Pin panel-mount socket with protective cap Screw cable connection
- **Fitted**: Female
- **Rating**: 250V 12A
- **Dimensions**: 24 x 33mm

- **Part No**: 23AF04PL
- **Description**: 4-Pin In-line connector Screw cable connection
- **Fitted**: Female
- **Rating**: 250V 12A
- **Dimensions**: 54 x 26mm

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**Through Panel**
- **Deck/Bulkhead Mount**
- **Male/Female Plug Socket Pair**
- **Protective Male Cap**
- **Protective Female Cap**

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