Solder Contacts on Both Sides of Bulkhead

Designed for high vibration environment. Wire soldered on both sides of the feed-through: no plugs needed.

Cost and space saving  ■ Adapted to space-constrained area. No plugs necessary.

Easy to solder  ■ Contacts fully tin plated. Different contact sizes available.

High performance sealing  ■ <1.10^-7 atm.cm^3/s.

Heat shrink boot version  ■ AM44 connector with specific shell:

Specific shell development on demand, please consult us.
8STA Series | Hermetic Feedthrough

**Description**

- Solder contacts on both sides of bulkhead
- Designed for high vibration environment
- Wire soldered on both sides of the feed-through: no plugs needed
- Cost and space saving:
  - Adapted to space-constrained area
  - No plugs necessary
- Easy to solder:
  - Contacts fully tin plated
  - Different contact sizes available
- High performance sealing: \(<1.10^{-7}\) atm.cm³/s

**Technical features**

**Mechanical**

- **Shell**: Stainless steel
- **Shell plating**: Passivated
- **Insulator**: Glass bead
- **Contact**: Nickel iron, tin plated

**Electrical**

- **Test voltage**: Service M: 1300V
- **Contact resistance**: 2 mΩ
- **Insulation resistance**: \(\geq 5000\Omega\) (at 500Vdc)
- **Contact rating**: Size 22D: 3 A

**Environmental**

- **Operating temperature**: -55°C to +175°C
- **Sealing mated connectors**: IP67 (1 meter for 30 min minimum)
- **Salt spray**: 48 hours
- **Hermeticity**: \(1.10^{-7}\) cm³/s

**Contact layouts** *(viewed from front face of male insulator)*

<table>
<thead>
<tr>
<th>12</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>35</td>
</tr>
</tbody>
</table>

Consult us for other layouts or shell sizes.
8STA Series | Hermetic Feedthrough

Ordering information

<table>
<thead>
<tr>
<th>Basic series</th>
<th>8STA</th>
<th>7</th>
<th>Y</th>
<th>12</th>
<th>35</th>
<th>199</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shell type</td>
<td>7: Jam nut receptacle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>Y: Hermetic version</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shell size</td>
<td>12, 14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contact layout</td>
<td>35</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specification</td>
<td>199: #22 solder cup contacts on both sides</td>
<td></td>
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</tr>
</tbody>
</table>

Note: Delivery will contain the cup for potting and the jam nut receptacle not mounted. Consult us for other layouts or shell sizes.

Dimension

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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</thead>
<tbody>
<tr>
<td>12</td>
<td>21.70</td>
<td>12.90</td>
<td>23.70</td>
<td>30.85</td>
<td>33.00</td>
<td>22.70</td>
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<tr>
<td>14</td>
<td>23.70</td>
<td>16.42</td>
<td>26.90</td>
<td>34.00</td>
<td>36.30</td>
<td>25.70</td>
</tr>
</tbody>
</table>

Note: All dimensions are in millimeters (mm)

For further information contact us at contactmilaero@souriau.com or visit our web site www.souriau.com