8STA Series
Hermetic Feed-through

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.
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: \(<1 \times 10^{-7} \text{ atm.cm}^3/\text{s}\)

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: \(1 \times 10^{-7}\) cm³/s

Contact layouts (viewed from front face of male insulator)

Consult us for other layouts or shell sizes.
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>
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<td>7: Jam nut receptacle</td>
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<td>Y: Hermetic version</td>
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<td>199: #22 solder cup contacts on both sides</td>
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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>
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<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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<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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Note: All dimensions are in millimeters (mm)

For further information contact us at technical.emear@souriau.com (Europe - Asia - Africa)

technical.americas@souriau.com (North America)

or visit our web site www.souriau.com