This connector for air-bag has intelligent CPA, which allows locking the connector, incomplete mating detection and release of short-circuit at the same time.

Features

● Mating
Intelligent CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.

● Terminal construction
It is designed to prevent the deformation of the contact part when processing wire harness by protecting the contact part of each terminal with a box.

● Scooping (kojiri) preventive construction
Using a shunt ring with a countermeasure for scooping (kojiri), the resistance to scooping (kojiri) insertion and withdrawal is improved.

● Noise suppression
Ferrite core provides simple and reliable noise suppression characteristics.

● Two types of CPA housing
1A type: Normal type
2A type: CPA housing has the jig tool insertion part in a tail part in order to easily connector disassembly operation with a jig tool such as drivers.

* They are selectable by usage and installed place of connector.
* Contact JST for details.

Specifications

● Temperature range: -30°C to +80°C (including temperature rise in applying electrical current)
● Insulation resistance: 100 MΩ min.
● Applicable wire: 0.3 mm² to 0.5 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.
### Female terminal

**Model No.**
- SQS-A03GF-P-P
- SQS-A03GI-P-P

**Applicable wire range**
- Conductor (mm²): 0.3 to 0.5, 1.0 to 1.6
- Insulation O.D. (mm): 1.0 to 1.6

**Q ty/reel:** 6,500

**Material and Finish**
- GF: Copper alloy, nickel-undercoated, Contact area; gold-plated (0.4 µm min.)
- GI: Copper alloy, nickel-undercoated, Contact area; gold-plated (0.8 µm min.)

### Female housing

**Circuits**
- 2

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Keying figure</th>
<th>Q ty/box</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>SQS-02H-1A-K</td>
<td>A code</td>
<td>1,000</td>
<td>Black</td>
</tr>
<tr>
<td></td>
<td>SQS-02H-1B-M</td>
<td>B code</td>
<td>1,000</td>
<td>Green</td>
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<tr>
<td></td>
<td>SQS-02H-1C-D</td>
<td>C code</td>
<td>1,000</td>
<td>Orange</td>
</tr>
</tbody>
</table>

**Material**
- PBT

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**Keying figure**

- A code (black)
- B code (green)
- C code (orange)
### CPA housing

- **SQSC-02H-1A-Y**
  - 8.5
  - 11.6
  - 2
  - 12.65
  - 9.8
  - 12.3
  - Identification mark

- **SQSC-02H-2A-Y**
  - 8.5
  - 11.6
  - 2
  - 12.65
  - 9.8
  - 12.3
  - Identification mark

### Ferrite

- 8.4
- 4
- 4
- Identification mark

### Crimping machine, Applicator

<table>
<thead>
<tr>
<th>Strip terminal</th>
<th>Crimping machine</th>
<th>Crimp applicator MKS-L</th>
</tr>
</thead>
<tbody>
<tr>
<td>SQS-A03GF-P-P</td>
<td>AP-K2N</td>
<td>MK/SQS-A03-P</td>
</tr>
<tr>
<td>SQS-A03G1-P-P</td>
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<td>APLMK SQS-A03-P</td>
</tr>
</tbody>
</table>

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

### Table - CPA housing

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Q ty/box</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>SQSC-02H-1A-Y</td>
<td>2,000</td>
<td>Yellow</td>
</tr>
<tr>
<td>2</td>
<td>SQSC-02H-2A-Y</td>
<td>2,000</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass-filled PBT</td>
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</table>

### Table - Ferrite

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Q ty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>SQSF-02-1A</td>
<td>3,000</td>
</tr>
</tbody>
</table>