**Standards**

Reg: Recognized E 60389

**Specifications**

- **Current rating:**
  - 5 A AC/DC, J1700M Series 2.0 mm pitch (Applying current to 3-circuit when AWG #20.)
  - 7 A AC/DC, J2700M Series 2.5 mm pitch (Applying current to 3-circuit when AWG #20.)
  - 10 A AC/DC, J3700M Series 3.8 mm pitch (Applying current to 3-circuit when AWG #16.)
- **Voltage rating:** 250 V AC/DC
- **Temperature range:** -55°C to +105°C (including temperature rise in applying electrical current)
- **Applicable cable O.D.:** φ7 ± 0.3 mm (J1700M/J2700M Series) φ8 ± 0.3 mm (J3700M Series)
- **Waterproof grade:** JIS C0920 Degree of protection 7 (Waterproof type) [IPX7 of IEC 60529]

* Please note that the above general specifications may differ from the safety standards.
* In using the products, refer to "Handling Precaution for Terminals and Connectors" described on our website (Technical documents of Product information page).
* Dimensional unit: mm
* RoHS2 Compliance
* Contact JST for details.
Receptacle contact

- J1000 Series
- J2000 Series
- J3000 Series

<table>
<thead>
<tr>
<th>Series</th>
<th>Strip contact Model No.</th>
<th>Wire range mark</th>
<th>Applicable wire range</th>
<th>Qty/reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1000</td>
<td>SJ1F-01GF-P0.8</td>
<td>M</td>
<td>0.20 to 0.50</td>
<td>6,000</td>
</tr>
<tr>
<td>J2000</td>
<td>SJ2F-01GF-P1.0</td>
<td>M</td>
<td>0.20 to 0.50</td>
<td>6,000</td>
</tr>
<tr>
<td>J3000</td>
<td>SJ3F-01GF-P1.8</td>
<td>M</td>
<td>0.20 to 0.50</td>
<td>3,500</td>
</tr>
</tbody>
</table>

Material and Finish
Copper alloy (superior conductivity), nickel-undercoated, selective gold-plated

RoHS2 compliance
Note: Please note that the above applicable wire range may differ from the safety standards.

Crimping machine, Applicator

<table>
<thead>
<tr>
<th>Series</th>
<th>Strip contact Model No.</th>
<th>Crimping machine</th>
<th>Applicator</th>
<th>Hand tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1000</td>
<td>SJ1F-01GF-P0.8</td>
<td></td>
<td>MK/SJF-M01-08</td>
<td>YRS-8841</td>
</tr>
<tr>
<td>J2000</td>
<td>SJ2F-01GF-P1.0</td>
<td>AP-XXN</td>
<td>MK/SJ2/M01-10</td>
<td>YRS-8861</td>
</tr>
<tr>
<td>J3000</td>
<td>SJ3F-01GF-P1.8</td>
<td></td>
<td>MK/SJF-M01-20</td>
<td>YRF-861</td>
</tr>
</tbody>
</table>

Assembly layout

- J1700M Series
- J2700M Series
- J3700M Series
JFA CONNECTOR J1700M/2700M/3700M SERIES

Connector kits

**J1700M Series**
- **Model No.**: J17M-06FMH-7KL-M
- **Q'ty/box**: 12
- **Part Name**
  - Receptacle contact (M type): 7
  - Receptacle housing: 1
  - Top cover: 1
  - Bottom cover: 1
  - Cover seal: 1
  - Seal rubber plate: 1
  - Seal ring: 1
  - Clamp ring: 1
  - Ring: 1
  - Clamp nut: 1
  - O ring: 2
  - M2X21 sems screw: 2
  - M1.8X10 sems screw: 2

**J2700M Series**
- **Model No.**: J27M-06FMH-7KL-M
- **Q'ty/box**: 12
- **Part Name**
  - Receptacle contact (M type): 7
  - Receptacle housing: 1
  - Top cover: 1
  - Bottom cover: 1
  - Cover seal: 1
  - Seal rubber plate: 1
  - Seal ring: 1
  - Clamp ring: 1
  - Ring: 1
  - Clamp nut: 1
  - O ring: 2
  - M2X21 sems screw: 2
  - M1.8X10 sems screw: 2

**J3700M Series**
- **Model No.**: J37M-06FMH-8KL-ML
- **Q'ty/box**: 12
- **Part Name**
  - Receptacle contact (M type): 7
  - Receptacle contact (L type): 7
  - Receptacle housing: 1
  - Top cover: 1
  - Bottom cover: 1
  - Cover seal: 1
  - Seal rubber plate: 1
  - Seal ring: 1
  - Clamp ring: 1
  - Ring: 1
  - Clamp nut: 1
  - O ring: 2
  - M2.5X23 sems screw: 2
  - M2X10 sems screw: 2

RoHS2 compliance
- This product displays (PF) on a label.

Model number allocation

**Receptacle contact**

- **Form**: S...Strip form
- **Series name**: J1...J1000, J2...J2000, J3...J3000
- **Type of terminal**: F...Receptacle contact
- **Applicable wire range**: 01...AWG #24 to #20
  - 41...AWG #20 to #16
- **Surface finish**: GF...Nickel-undercoated, 0.38 µm selective gold-plated
- **Material**: P...Copper alloy
- **Terminal size**: 0.8...J1000, 1.0...J2000, 1.8...J3000

**Kit**

- **Model No.**: J17M - 06 FMH - 7 K L - M
- **Series name**: J17M...J1700M, J27M...J2700M, J37M...J3700M
- **No. of circuits**: 6
- **Part name**
- **Applicable cable O.D.**: 7...φ7, 8...φ8
- **Color**: K...Black
- **Packaging form**: L...Tray for kit
- **Wire range mark**: M...M type, ML...M, L types (Same packing spec.)