**Specifications**

- **Current rating:**
  - Signal circuit: 1.0A AC, DC (AWG #26)
  - Power supply circuit: 15A AC, DC (AWG #14)

- **Voltage rating:**
  - Signal circuit: 50V AC, DC
  - Power supply circuit: 250V AC, DC

- **Temperature range:** -25˚C to +85˚C (including temperature rise in applying electrical current)

- **Contact resistance:**
  - Signal circuit:
    - Initial value: 40m Ω max.
    - After environmental testing: 60m Ω max.
  - Power supply circuit:
    - Initial value: 10m Ω max.
    - After environmental testing: 20m Ω max.

- **Insulation resistance:** 500M Ω min.

- **Withstanding voltage:**
  - Signal circuit: 500V AC
  - Power supply circuit: 1,500V AC

- **Applicable wire:**
  - Power supply circuit: Conductor AWG #24 to #14
  - Insulation O.D.: 1.4 to 3.6mm
  - Signal circuit: Applicable receptacle CZ, CZH

* Compliant with RoHS.
* Refer to “General Instruction and Notice when using Terminals and Connectors” at the end of this catalog.
* Contact JST for details.

**Standards**

- **Recognized E60389**
- **Certified LR20812**
- **R50157902**

**Assembly layout**

**Signal circuit type**

**Hybrid type**
Panel layout

Plug

Signal circuit type
Panel thickness: 1.2mm, 1.6mm, 2.0mm

When mounting from mating side

When mounting from socket side

Receptacle

Signal circuit type
Panel thickness: 2.0mm

Hybrid type
Panel thickness: 1.2mm, 1.6mm, 2.0mm

When mounting from mating side

When mounting from socket side

Note: 1. Punch holes in the panel according to the figures shown above. Burrs must be removed.
2. The strength of the panel must be considered when punching two or more holes.
3. The connector must be inserted from the same side as the hole is punched.

Plug contact for power supply circuit

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Insulation O.D. (mm)</th>
<th>Q'ty/ reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRWM-01GG-S0.6</td>
<td>0.2—0.5</td>
<td>24—20</td>
<td>1.4—1.9</td>
</tr>
<tr>
<td>SRWM-21GG-S0.6</td>
<td>0.3—0.75</td>
<td>22—18</td>
<td>1.55—3.1</td>
</tr>
<tr>
<td>SRWM-61GG-S0.6</td>
<td>0.75—2.0</td>
<td>18—14</td>
<td>2.0—3.6</td>
</tr>
</tbody>
</table>

Material and Finish
Copper alloy, nickel-undercoated, Mating part; gold-plated
Crimping part; tin-plated (reflow treatment)

RoHS compliance This product displays (LF)(SN) on a label.

Receptacle contact for power supply circuit

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Insulation O.D. (mm)</th>
<th>Q'ty/ reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRWF-01GG-M0.6</td>
<td>0.2—0.5</td>
<td>24—20</td>
<td>1.4—1.9</td>
</tr>
<tr>
<td>SRWF-21GG-M0.6</td>
<td>0.3—0.75</td>
<td>22—18</td>
<td>1.55—3.1</td>
</tr>
<tr>
<td>SRWF-61GG-M0.6</td>
<td>0.75—2.0</td>
<td>18—14</td>
<td>2.0—3.6</td>
</tr>
</tbody>
</table>

Material and Finish
Copper alloy, nickel-undercoated, Mating part; gold-plated
Crimping part; tin-plated (reflow treatment)

RoHS compliance This product displays (LF)(SN) on a label.

Contact Crimping machine Applicator
SRWM-01GG-S0.6 MKS-L MK/SRPF/M-01-06 APLMK SRPF/M01-06
SRWM-21GG-S0.6 MKS-L MK/SRPF/M-21-06 APLMK SRPF/M21-06
SRWM-61GG-S0.6 MKS-L MK/SRPF/M-61-06 APLMK SRPF/M61-06

AP-K2N

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### RIZ CONNECTOR

**Plug**

**Signal circuit type**

![Signal circuit type diagram]

**Hybrid type** (Connector with integrated signal and power)

![Hybrid type diagram]

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q’ty / box</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>04R-RIZ-K4GG-RL</td>
<td>4.5</td>
<td>14.1</td>
</tr>
<tr>
<td>6</td>
<td>06R-RIZ-K4GG-RL</td>
<td>7.5</td>
<td>27.7</td>
</tr>
<tr>
<td>8</td>
<td>08R-RIZ-K4GG-RL</td>
<td>10.5</td>
<td>35.7</td>
</tr>
<tr>
<td>10</td>
<td>10R-RIZ-K4GG-RL</td>
<td>13.5</td>
<td>43.7</td>
</tr>
<tr>
<td>14</td>
<td>14R-RIZ-K4GG-RL</td>
<td>19.5</td>
<td>59.7</td>
</tr>
</tbody>
</table>

Contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow-treatment)
Housing: PBT, UL94V-0, black

**RoHS compliance** This product displays (LF)(SN) on a label.

**Receptacle**

**Signal circuit type**

![Signal circuit type diagram]

**Hybrid type** (Connector with integrated signal and power)

![Hybrid type diagram]

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q’ty / box</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>07R-RIZ-K4GG-SQ3FL</td>
<td>9.0</td>
<td>20.3</td>
</tr>
<tr>
<td>8</td>
<td>08R-RIZ-K4GG-SQ3FL</td>
<td>10.5</td>
<td>35.7</td>
</tr>
<tr>
<td>13</td>
<td>13R-RIZ-K4GG-SQ3FL</td>
<td>18.0</td>
<td>59.7</td>
</tr>
</tbody>
</table>

Contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow-treatment)
Housing: PBT, UL94V-0, black

**RoHS compliance** This product displays (LF)(SN) on a label.

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**Material and Finish**

Contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow-treatment)
Housing: PBT, UL94V-0, black
CZ connector socket

CZH connector contact

CZH connector housing

RIZ CONNECTOR

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q'ty / box</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>04CZ-6H</td>
<td>Gray 4.5, Yellow 7.5</td>
<td>2,000</td>
</tr>
<tr>
<td>6</td>
<td>06CZ-6H</td>
<td>Gray 7.5, Yellow 10.5</td>
<td>2,000</td>
</tr>
<tr>
<td>7</td>
<td>07CZ-6H</td>
<td>Gray 9.0, Yellow 12.0</td>
<td>2,000</td>
</tr>
<tr>
<td>8</td>
<td>08CZ-6H</td>
<td>Gray 10.5, Yellow 13.5</td>
<td>2,000</td>
</tr>
<tr>
<td>10</td>
<td>10CZ-6H</td>
<td>Gray 13.5, Yellow 16.5</td>
<td>1,000</td>
</tr>
<tr>
<td>13</td>
<td>13CZ-6H</td>
<td>Gray 18.0, Yellow 21.0</td>
<td>1,000</td>
</tr>
<tr>
<td>14</td>
<td>14CZ-6H</td>
<td>Gray 19.5, Yellow 22.5</td>
<td>1,000</td>
</tr>
</tbody>
</table>

Material and Finish

Contact: Copper alloy, tin-plated (reflow treatment)
Housing: Glass-filled PA 66, UL94V-0

RoHS compliance

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Insulation O.D.</th>
<th>Q'ty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCZH-002T-P0.5</td>
<td>0.08—0.13</td>
<td>28—26</td>
<td>0.8—1.1</td>
</tr>
</tbody>
</table>

Material and Finish

Copper alloy, tin-plated (reflow treatment)

RoHS compliance

<table>
<thead>
<tr>
<th>Contact</th>
<th>Crimping machine</th>
<th>Applicator</th>
<th>Crimp applicator</th>
<th>Dies</th>
<th>Crimp applicator with dies</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCZH-002T-P0.5</td>
<td>AP-K2N</td>
<td>MKS-L</td>
<td>MK-SCZH-002-05</td>
<td>APLMK SCZH002-05</td>
<td></td>
</tr>
</tbody>
</table>

Material

PBT, UL94V-0, natural (white)

RoHS compliance