RWZ CONNECTOR
Disconnectable Crimp style Wire-to-wire connectors

Specifications

- Current rating:
  - Signal circuit: 1.0 A AC, DC (AWG #26)
  - Power supply circuit: 15 A AC, DC (AWG #14)
- Voltage rating:
  - Signal circuit: 50 V AC, DC
  - Power supply circuit: 250 V AC, DC
- Temperature range: -25°C to +85°C
  (including temperature rise in applying electrical current)
- Contact resistance:
  - Signal circuit: Initial value/40 mΩ max.
  - After environmental tests/60 mΩ max.
  - Power supply circuit: Initial value/10 mΩ max.
  - After environmental tests/20 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage:
  - Signal circuit: 500 VAC
  - Power supply circuit: 1,500 VAC
- Applicable wire:
  - Power supply circuit: Conductor AWG #24 to #14
  - Insulation O.D: 1.4 to 3.6 mm
- Applicable receptacle: CZ, CZH
- Mounting method: Screw, Panel lock

* In using the products, refer to “Handling Precaution for Terminal and Connector” described on our website (Technical documents of Product information page).
* Contact JST for details.
* Compliant with RoHS.

Standards

- Recognized E60389
- Certified LR20812

In unit connection, this RWZ connector is a hybrid type double row drawer connector with combined signal and power supply circuits, absorbs misalignment between units, and excels durability.

- High durability
- Absorbed misalignment mechanism
- Space saving
- Hybrid type

Assembly layout
Panel layout

**Plug**

**Standard type**  
Panel thickness: 0.8 to 2.0 mm

**Panel lock type**  
Panel thickness: 2.0 mm

**Receptacle**

**Standard type**  
Panel thickness: 0.8 to 2.0 mm

**Panel lock type**  
Panel thickness: 1.2 mm, 1.6 mm, 2.0 mm

**Floating bushing type**  
Panel thickness: 0.8 to 2.0 mm

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**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.
**RWZ CONNECTOR**

**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>

**Crimping machine**

Contact: Crimping machine Crimp applicator with dies

**Contact Crimping machine Air applicator with dies**

- SRWM-01GG-S0.6: MKS-L, MK/SPRF/M-01-06, APLMK SPRF-M01-06
- SRWM-21GG-S0.6: MKS-L, MK/SPRF/M-21-06
- SRWM-61GG-S0.6: MKS-L, MK/SPRF/M-61-06, APLMK SPRF/M61-06

Note: Contact JST for fully automatic crimping applicator.

**Material and Finish**

Copper alloy, nickel-undercoated, Contacting part: gold-plated

Crimping part: tin-plated (reflow treatment)

**RoHS compliance**

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

**Standard/Signal circuit type**

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q’ty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>33P-RWJV-K4GG</td>
<td>A: 24.0, 59.3, B: 50.2, C: 34.2, D: 32.6, E: 37.2, F: 38.2, G: 336, H: 192</td>
<td></td>
</tr>
</tbody>
</table>

**Material and Finish**

Contact: Copper alloy, nickel-undercoated, selective gold-plated, 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>

**Crimping machine**

Contact: Crimping machine Crimp applicator with dies

**Contact Crimping machine Air applicator with dies**

- SRWF-01GG-M0.6: MKS-L, MK/SPRF/M-01-06, APLMK SPRF/M01-06
- SRWF-21GG-M0.6: MKS-L, MK/SPRF/M-21-06
- SRWF-61GG-M0.6: MKS-L, MK/SPRF/M-61-06, APLMK SPRF/M61-06

Note: Contact JST for fully automatic crimping applicator.

**Material and Finish**

Copper alloy, nickel-undercoated, Contacting part: gold-plated

Crimping part: tin-plated (reflow treatment)

**RoHS compliance**

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

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

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q’ty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>25P-RWJV-K4GG-P2</td>
<td>A: 16.5, 59.7, B: 44.7, C: 43.1, D: 40.7, E: 44.1, F: 168</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>13P-RWJV-K4GG-P4</td>
<td>A: 9.0, 57.7, B: 48.7, C: 33.1, D: 35.7, E: 32.1, F: 216</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>21P-RWJV-K4GG-P4</td>
<td>A: 15.0, 53.7, B: 54.7, C: 38.7, D: 37.1, E: 41.7, F: 38.1, G: 192</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>19P-RWJV-K4GG-P6</td>
<td>A: 12.5, 69.7, B: 60.7, C: 44.7, D: 43.1, E: 47.7, F: 44.1, G: 168</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>23P-RWJV-K4GG-P6</td>
<td>A: 16.5, 72.7, B: 63.7, C: 47.7, D: 46.1, E: 50.7, F: 47.1, G: 144</td>
<td></td>
</tr>
</tbody>
</table>

**Material and Finish**

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.
**RWZ CONNECTOR**

**Plug**

Panel lock/
Hybrid type (Connector with integrated signal and power)

![Panel lock diagram](image1)

**Receptacle**

Standard/Signal circuit type

![Standard/Signal circuit type diagram](image2)

Standard/ Hybrid type (Connector with integrated signal and power)

![Standard/Hybrid type diagram](image3)

**Material and Finish**

Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (yellow treatment).

Housing: PBT, UL94V-0, black.

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

**Table 1:**

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Qty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>4</td>
<td>13P-RWZV-K4GG-P4FL</td>
<td>9.0</td>
<td>45.5</td>
</tr>
</tbody>
</table>

**Table 2:**

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Qty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>25</td>
<td>25R-RWZV-K2GG</td>
<td>18.0</td>
<td>53.2</td>
</tr>
<tr>
<td>31</td>
<td>31R-RWZV-K2GG</td>
<td>22.5</td>
<td>57.7</td>
</tr>
<tr>
<td>33</td>
<td>33R-RWZV-K2GG-P2</td>
<td>24.0</td>
<td>59.1</td>
</tr>
</tbody>
</table>

**Table 3:**

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Qty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>5</td>
<td>25R-RWZV-K2GG-P2</td>
<td>28.5</td>
<td>63.2</td>
</tr>
<tr>
<td>9</td>
<td>9R-RWZV-K2GG-P4</td>
<td>6.0</td>
<td>54.5</td>
</tr>
<tr>
<td>13</td>
<td>13R-RWZV-K2GG-P4</td>
<td>9.0</td>
<td>57.7</td>
</tr>
<tr>
<td>21</td>
<td>21R-RWZV-K2GG-P4</td>
<td>15.0</td>
<td>63.7</td>
</tr>
<tr>
<td>19</td>
<td>19R-RWZV-K2GG-P8</td>
<td>13.5</td>
<td>63.7</td>
</tr>
<tr>
<td>23</td>
<td>23R-RWZV-K2GG-P6</td>
<td>16.5</td>
<td>77.7</td>
</tr>
</tbody>
</table>

**Material and Finish**

Contact: Copper alloy, nickel undercoated, selective gold-plated, tin-plated (yellow treatment).

Housing: PBT, UL94V-0, black.

RoHS compliance: This product displays (LF)/(SN) on a label.
### Receptacle

**Floating bushing/ Hybrid type (Connector with integrated signal and power)**

**Panel lock/ Hybrid type (Connector with integrated signal and power)**

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Qty/ box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>A   B   C   D   E   F   G</td>
<td>09R-RWZV-K2GG-P4BM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A   B   C   D   E   F   G</td>
<td>21R-RWZV-K2GG-P4BM</td>
</tr>
</tbody>
</table>

**Material and Finish**

- Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment)
- Housing: PBT, UL94V-0, black
- Washer: Copper alloy, nickel-plated
- Floating rivet: Copper alloy, nickel-plated

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

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Qty/ box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>A   B   C   D   E   F</td>
<td>13R-RWZV-K2GG-P4RL</td>
</tr>
</tbody>
</table>

**Material and Finish**

- Signal 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.
## CZ connector socket

![CZ connector socket diagram]

### CZH connector housing

![CZH connector housing diagram]

### CZH connector contact

![CZH connector contact diagram]

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### Material and Finish

Contact: Copper alloy, tin-plated (reflow treatment)

Housing: Glass-filled PA 66, UL94V-0

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### RoHS compliance

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