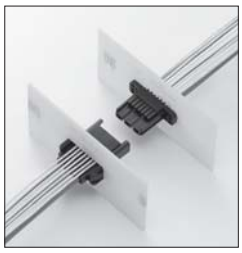
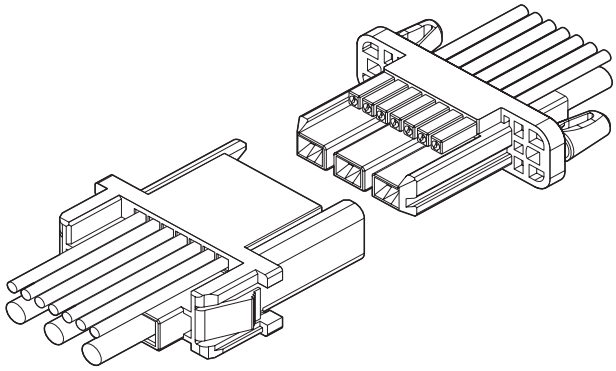


RIY CONNECTOR

Disconnectable Crimp style Wire-to-wire connectors



This connector is a hybrid type double-row drawer connector with combined signal and power supply circuits to connect the units. In the signal part, the number of parts reduced by connecting the crimping contact directly.

- ***Space saving***
- ***Panel locking device***
- ***Hybrid type***

Specifications

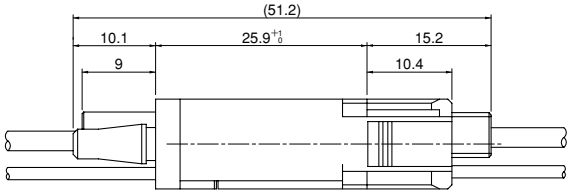
- Current rating: Signal circuit/ 2 A AC, DC (AWG #24)
  Power supply circuit/ 15 A AC, DC (AWG #14)
- Voltage rating: Signal circuit/ 50 V AC, DC
  Power supply circuit/ 250 V AC, DC
- Temperature range: -25˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance:
  Signal circuit Initial value/ 20 mΩ max.
  After environmental tests/ 40 mΩ max.
  Power supply circuit Initial value/ 10 mΩ max.
  After environmental tests/ 30 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: Signal circuit 500 VAC/minute
  Power supply circuit 1,500 VAC/minute
- Applicable wire: Signal circuit
  Conductor size/AWG #28 to #24
  Insulation O.D./0.9 to 1.5 mm
  Power supply circuit
  Conductor size/AWG #18 to #14
  Insulation O.D./2.0 to 3.6 mm

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

Standards

Recognized E 60389
Certified LR 20812
J50102230

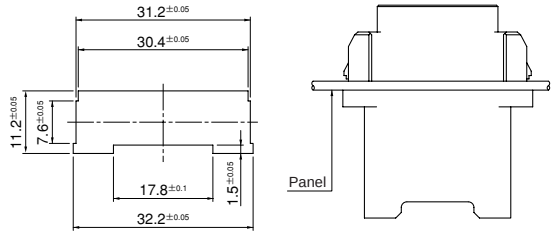
Assembly layout



Panel layout

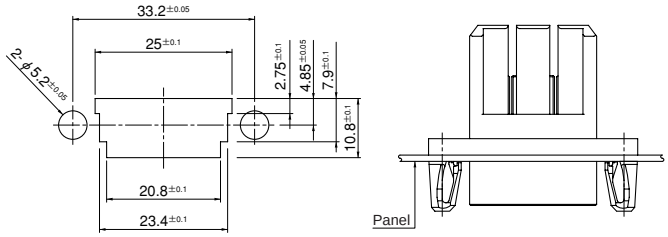
Plug

●Standard type
Panel thickness: 1.6, 2.0 mm



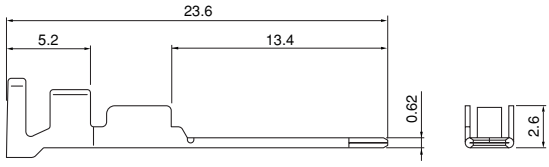
Receptacle

●Standard type
Panel thickness: 1.0 mm



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



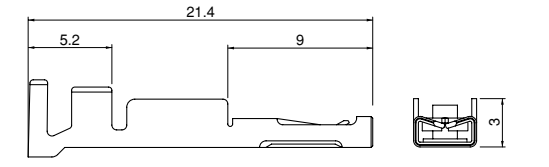
Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
	mm²	AWG#		
SRWM-61GG-S0.6	0.75～2.0	18～14	2.0～3.6	3,000

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		
		Crimp applicator	Dies	Crimp applicator with dies
SRWM-61GG-S0.6	AP-K2N	MKS-L	MK/SRPF/M-61-06	APLMK SRPF/M61-06

Receptacle contact for power supply circuit



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
	mm²	AWG#		
SRWF-61GG-M0.6	0.75～2.0	18～14	2.0～3.6	3,000

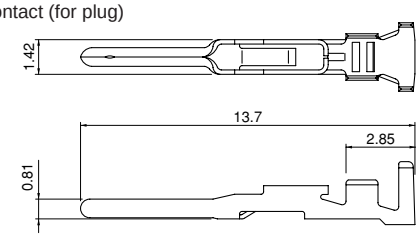
Material and Finish
Copper alloy, nickel-undercoated, Mating part; gold-plated Crimping part; tin-plated (reflow treatment)

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

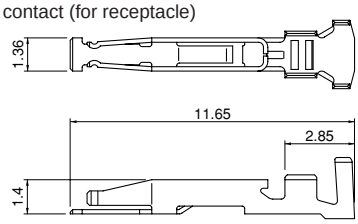
Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SRWF-61GG-M0.6	AP-K2N	MKS-L	MK/SRPF/M-61-06	APLMK SRPF/M61-06

Contact for signal circuit

●Pin contact (for plug)



●Socket contact (for receptacle)



Model No.		Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
Pin contact	Socket contact	mm²	AWG #		
RPJ-SP2331	**RPJ-SS2331**	0.08～0.22	28～24	0.9～1.5	10,000

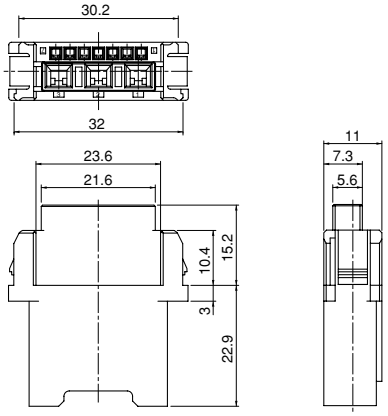
Material and Finish
Phosphor bronze, nickel-undercoated, gold-plated

RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
RPJ-SP2331	AP-K2N	MKS-L	MK/RPJ-SP/SS2	APLMK RPJ-SP/SS2
RPJ-SS2331		—	—	—

Plug

Hybrid type
(Connector with integrated signal and power)



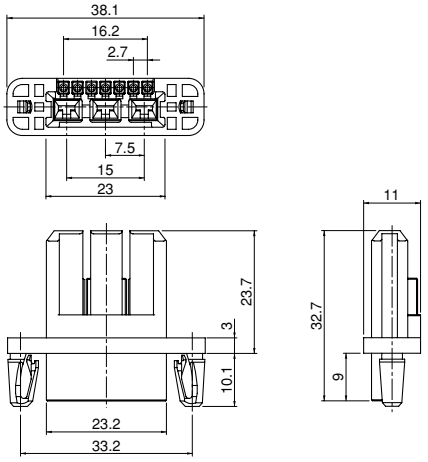
Circuits		Model No.	Q'ty/ box
Power supply	Signal		
3	7	**07P-RIY-K-3RL**	880

Material
PBT・UL94V-0, black

RoHS compliance

Receptacle

Hybrid type
(Connector with integrated signal and power)



Circuits		Model No.	Q'ty/ box
Power supply	Signal		
3	7	**07R-RIY-K-R3FI**	880

Material
PBT・UL94V-0, black

RoHS compliance