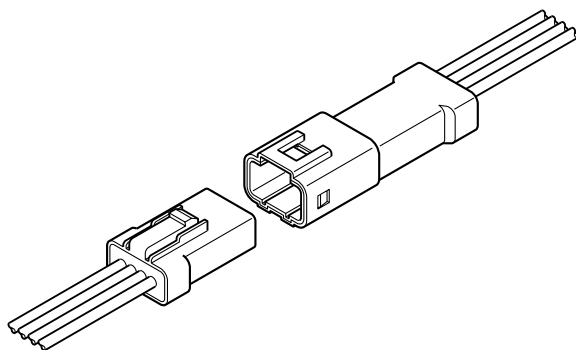


# JWPF CONNECTOR

*Crimp style wire-to-wire connectors*



**Applicable for water-proof usage. This is the wire-to-wire connector that is more than grade 7 ingress protection of JIS C 0920.**



## Features

- **Water-proof grade**

More than grade 7 ingress protection of JIS C 0920.

- **Contained seal ring**

Seal ring is applied for complete sealing at mating side that is contained in the tab housing which protects from dust, scratch & etc.

- **Solid rubber seal**

Solid rubber seal is used for wire side sealing that makes the size compact.

- **Double-spring construction**

Contact has double-spring construction, main spring and assist spring, that ensures superior contact force.

- **Housing-to-terminal locks**

Spring action housing-to-terminal locks are an inherent part of the housing, and assure smooth contact insertion and firm contact retention yet with low insertion force.

- **Inter-housing lock**

This inter-housing lock secures the plug to the receptacles and prevents accidental disconnection. The lock with protector on both sides is protected and is not affected by external forces that might result from the routing of wires.

## Specifications

- Current rating: 3A AC, DC (AWG #22)
  - Voltage rating: 100V AC, DC
  - Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/5m Ω max.  
After environmental testing/10m Ω max.
  - Insulation resistance: 800M Ω min.
  - Withstanding voltage: 1,000V AC/minute
  - Applicable wire: AWG #26 to #22  
0.13 to 0.33mm<sup>2</sup>
  - Applicable panel thickness: 1.4 to 1.74mm(.055" to .069")
  - Water-proof grade: More than grade 7 ingress protection of JIS C 0920
- \* Contact JST if Lead-Free product is required.  
\* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.  
\* Contact JST for details.

# JWPF CONNECTOR

## Contact



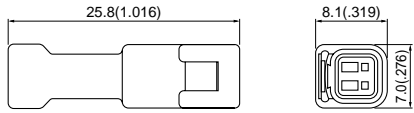
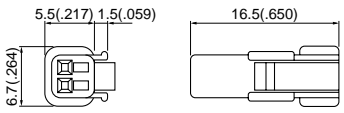
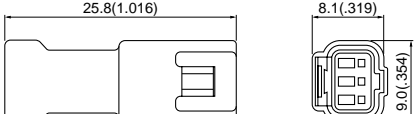
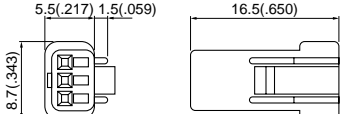
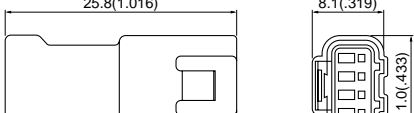
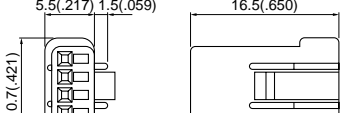
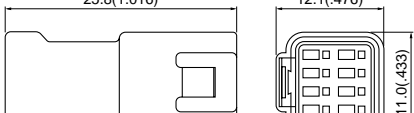
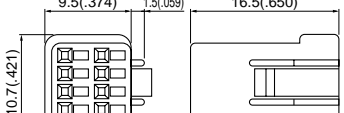
| Model No.            |                       | Applicable wire |          | Insulation O.D.mm(in.)    | Q'ty / reel |
|----------------------|-----------------------|-----------------|----------|---------------------------|-------------|
| Tab contact          | Receptacle contact    | mm <sup>2</sup> | AWG #    |                           |             |
| <b>SWPT-001T-025</b> | <b>SWPR-001T-P025</b> | 0.13 to 0.33    | 26 to 22 | 1.4 to 1.68(.055 to .066) | 8,200       |

### Material and Finish

Tab contact: Brass, tin-plated  
 Receptacle contact: Copper alloy, tin-plated

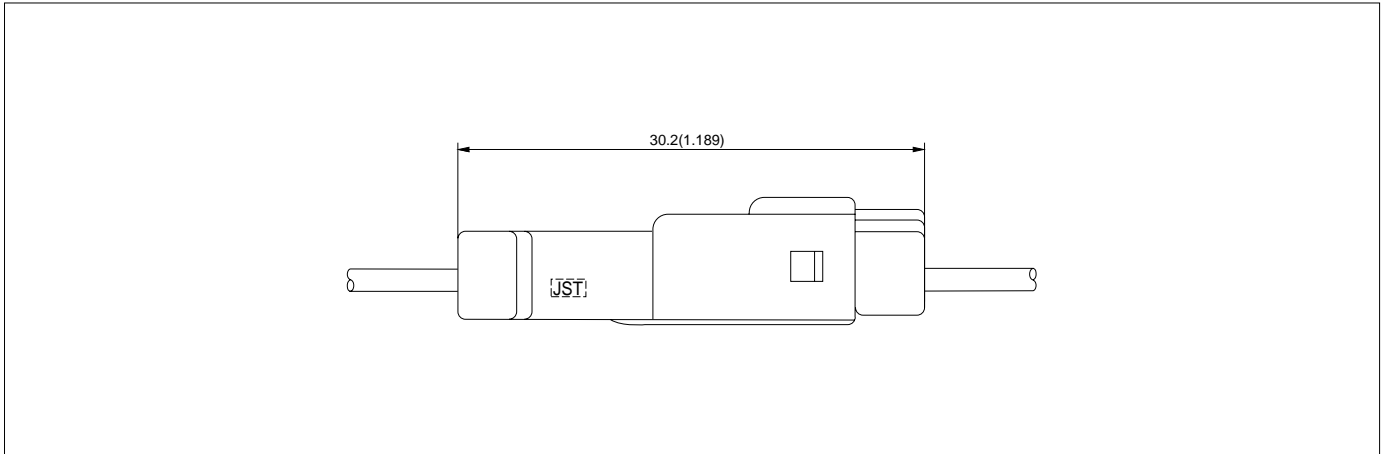
## Housing

Material: PBT, UL94V-0, natural (white)

| Circuits | Tab housing (for Tab contact)   | Q'ty / bag | Receptacle housing (for Receptacle contact)  | Q'ty / bag |
|----------|---|------------|--|------------|
| 2        |  | 1,000      |  | 1,000      |
| 3        |  | 1,000      |  | 1,000      |
| 4        |  | 1,000      |  | 1,000      |
| 8        |  | 1,000      |  | 1,000      |

Note: 1. Receptacle housing comes with seal rubber plate.  
 2. Tab housing comes with seal rubber plate, seal ring and seal ring holder.

## Assembly layout



## Applicator for the semi-automatic press AP-K2N

| Contact               | Crimp applicator MKS-L |                      | Compact crimp applicator MKS-LS |                       | Strip-crimp applicator MKS-SC |
|-----------------------|------------------------|----------------------|---------------------------------|-----------------------|-------------------------------|
|                       | with safety cover      | without safety cover | with safety cover               | without safety cover  | with safety cover             |
| <b>SWPT-001T-025</b>  | APLMK SWPR/T001-025    | APLNC SWPR/T001-025  | APLMKLS SWPR/T001-025           | APLLSNC SWPR/T001-025 | -                             |
| <b>SWPR-001T-P025</b> | APLMK SWPR/T001-025    | APLNC SWPR/T001-025  | APLMKLS SWPR/T001-025           | APLLSNC SWPR/T001-025 | -                             |