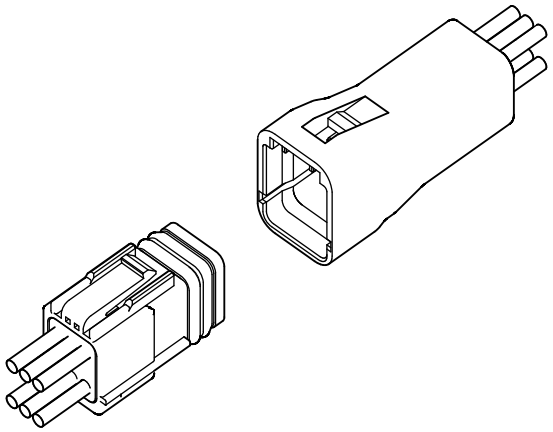
ZWP CONNECTOR

1.5 mm pitch/ Wire-to-wire connector (Waterproof type)



This is the waterproof type 1.5 mm pitch wire-to-wire connector incorporating the inner lock structure.

- Inner lock structure
- Waterproof performance
  Grade 7 of ingress protection of JIS C 0920 (IPX7 of IEC 60529)
- Compact design

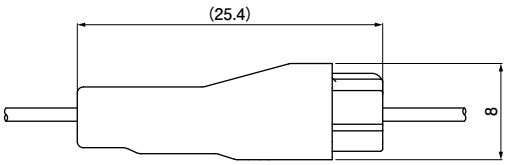
■ Specifications

- Current rating: 2 A AC/DC (AWG #24)
- Voltage rating: 50 V AC/DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance:
  Initial value/ 10 mΩ max.
  After environmental tests/ 20 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: Insulated wire of annealed copper stranded conductors with tin plating
- Applicable wire range:
  Conductor size/ AWG #28 to #24
  Insulation O.D/ φ0.9 to φ1.2
- Waterproof performance:
  Grade 7 of ingress protection of JIS C 0920 (IPX7 of IEC 60529)

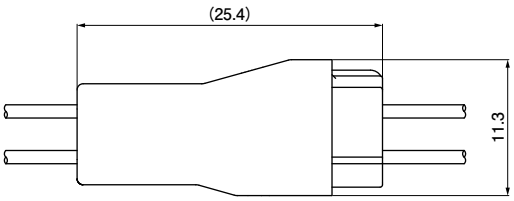
* In using the products, refer to “Handling Precaution for Terminal and Connector” described on our website (Technical documents of Product information page).
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

Assembly layout

<2, 3 circuits>

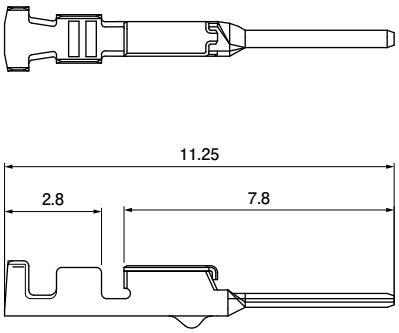


<4, 5, 6, 8 circuits>

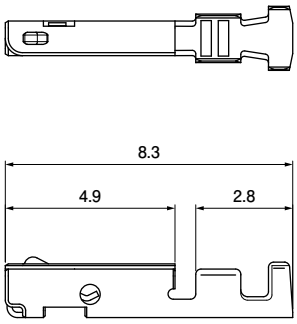


Contact

Tab contact



Receptacle contact



	Model No.	Applicable wire range		Q'ty/reel
		Conductor size AWG# (mm2)	Insulation O.D. (mm)	
Tab contact	SZWPT-002T-C0.4	28 to 24 (0.08 to 0.21)	0.9 to 1.2	15,000
Receptacle contact	SZWPR-002T-C0.4			

Material and Finish
Copper alloy, tin-plated

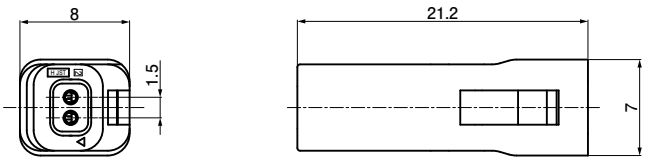
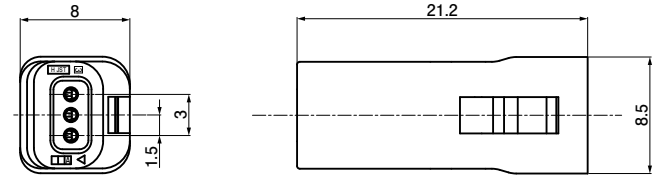
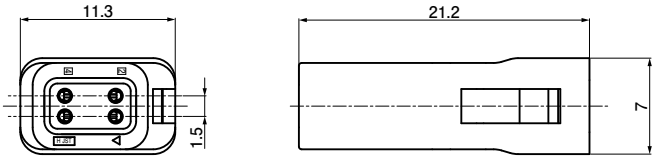
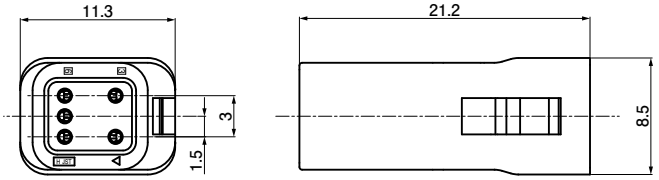
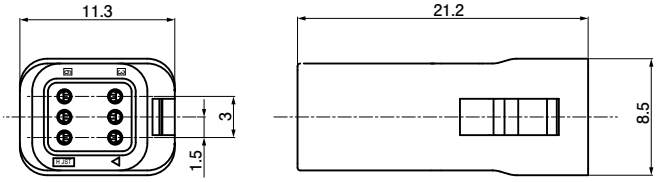
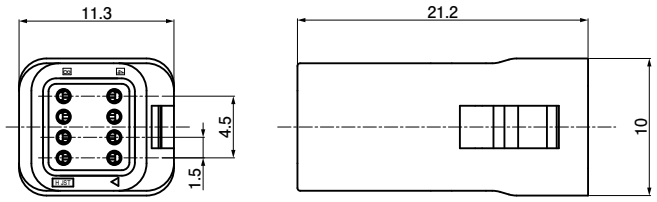
RoHS2 compliance

Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SZWPT-002T-C0.4	AP-K2N	MKS-L-10	APLMK SZWPR/T002-04
SZWPR-002T-C0.4			

Note: Contact JST for fully automatic crimping applicator.

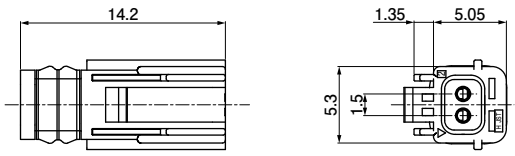
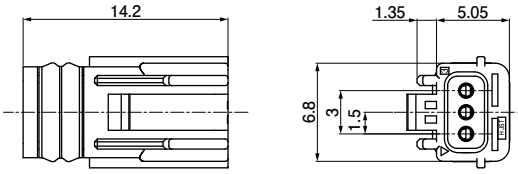
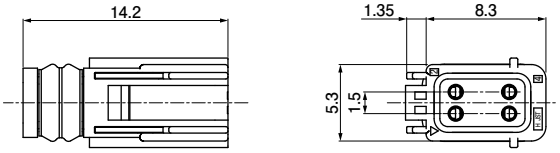
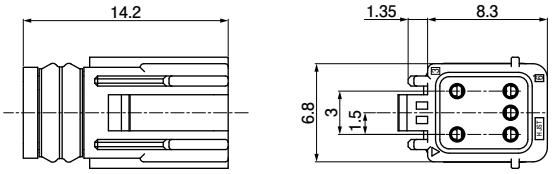
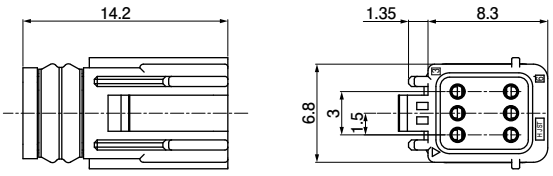
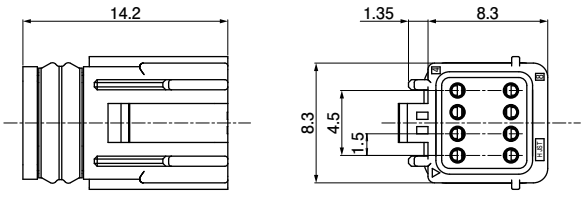
Tab assembly (for tab contact)

No. of circuits	Model No.	Shape and Dimensions	Q'ty/box
2	02T-ZWPV-KNN		400
3	03T-ZWPV-KNN		350
4	04T-ZWPV-W-KNN		300
5	05T-ZWPV-W-KNN		250
6	06T-ZWPV-W-KNN		250
8	08T-ZWPV-W-KNN		200

Material and Finish
Tab housing: PBT, UL94V-0, black Seal rubber plate: Silicone rubber, brown

RoHS2 compliance

Receptacle assembly (for receptacle contact)

No. of circuits	Model No.	Shape and Dimensions	Q'ty/box
2	**02R-ZWPV-KNN**		5,358
3	**03R-ZWPV-KNN**		4,332
4	**04R-ZWPV-W-KNN**		3,384
5	**05R-ZWPV-W-KNN**		2,736
6	**06R-ZWPV-W-KNN**		2,736
8	**08R-ZWPV-W-KNN**		2,304

Material and Finish
Receptacle housing: PBT, UL94V-0, black Seal ring: Silicone rubber, brown Seal rubber plate: Silicone rubber, brown

RoHS2 compliance