



SUPER SEAL CONTACTS

1. PURPOSE

This Application Specification covers the requirements for crimping of receptacle contact of Super-Seal connector.

2. CRIMPING SPECIFICATIONS

2-1. Applicable receptacle contacts

Part Number	Description
3-1447221-3 (Old Part Number: 3900187-01)	S/S REC CONTACT ASSY, AU, 0.75-1.25
3-1447221-4 (Old Part Number: 3900187-02)	S/S REC CONTACT ASSY, AU, 0.5
2461132-1	S/S REC CONTACT ASSY, AG, 0.75-1.25
2461132-2	S/S REC CONTACT ASSY, AG, 0.5
1-2461132-1	S/S REC CONTACT ASSY, SN, 0.75-1.25
1-2461132-2	S/S REC CONTACT ASSY, SN, 0.5

2-2. Crimping Specification 1

Contact		Applicable Wire Size			Required Crimping Size at Wire Barrel		Required Crimping Size at Insulation Barrel (*1)		Tensile Strength at Crimping Part
Barrel Type	Part No	Core Wire	Covered Wire (mm)	Wire Type	Width (mm)	Height (mm)	Width (mm)	Height (mm)	
Small Barrel	3-1447221-4 2461132-2	0.5mm ²	φ 1.6 or more φ 1.9 or less	AVSS CAVS	1.6±0.1	0.9±0.05	2.3max.	2.2max.	88.2N min. (9kgf)
Small Barrel	1-2461132-2	0.5mm ²	φ 1.4 or more φ 1.7 or less	ISO 19642-3 Thin Wall	1.6±0.1	0.9±0.05	2.1max.	2.0max.	88.2N min. (9kgf)
Normal Barrel	3-1447221-3 2461132-1 1-2461132-1	0.75mm ²	φ 1.6 or more φ 1.9 or less	AVSSX AESSX	1.85±0.1	1.0±0.05	2.3max.	2.2max.	117.6N min. (12kgf)
		0.85mm ²		AVSS CAVS	1.85±0.1	1.05±0.05			127.4N min. (13kgf)
		1.0mm ²	φ 1.9 or more φ 2.1 or less	ISO 19642-3 Thin Wall	1.85±0.1	1.1±0.05	2.6max.	2.5max.	147N min. (15kgf)
		1.25mm ²	More than φ 1.9 φ 2.2 or less	AVSS CAVS	1.85±0.1	1.2±0.05	2.6max.	2.5max.	176.4N min. (18kgf)

Applicator Part Numbers

Applicator P/N	Applicable Contact	Remark
2151241-1	3-1447221-3 2461132-1 1-2461132-1	Ocean Applicator
2151705-1	3-1447221-4 2461132-2	Ocean Applicator
Contact TE to Order Applicator	1-2461132-2	Ocean Applicator

NOTE 1: Crimping height and width of insulation barrel shall not result in the drawing from the barrel part by excessive crimping height, width or drawing from the barrel part by the broken over in the bending test as shown in Fig. 1.

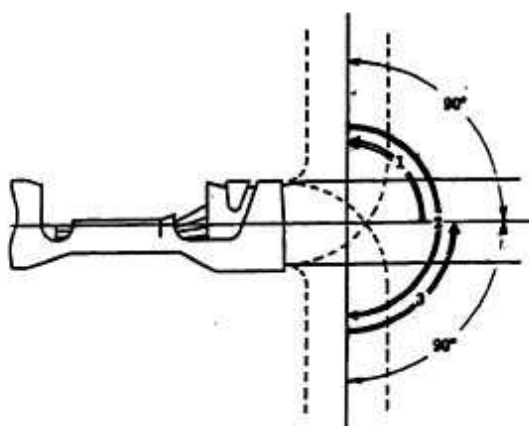


Fig. 1

2-3. Crimping Specification 2

Table 3

Position of Fig. 2	Item	Specification
①	Bent up	3° or less
②	Bent down	3° or less
③	Twist	3° or less
④	Rolling	6° or less
⑤	Bell mouse	0.2~0.4mm
⑥	Seam	It shall be closed and core wire shall not be projected.
⑦	Wire projecting length	0.3~0.8mm
⑧	Insulation projecting length	Over 0.5mm, wheeas, core wire shall be seen from top side.
⑨	Interval between burrand bottom	0 or more
⑩	Sripped wire length (reference value)	3.5 $\begin{smallmatrix} +1 \\ -0 \end{smallmatrix}$ mm

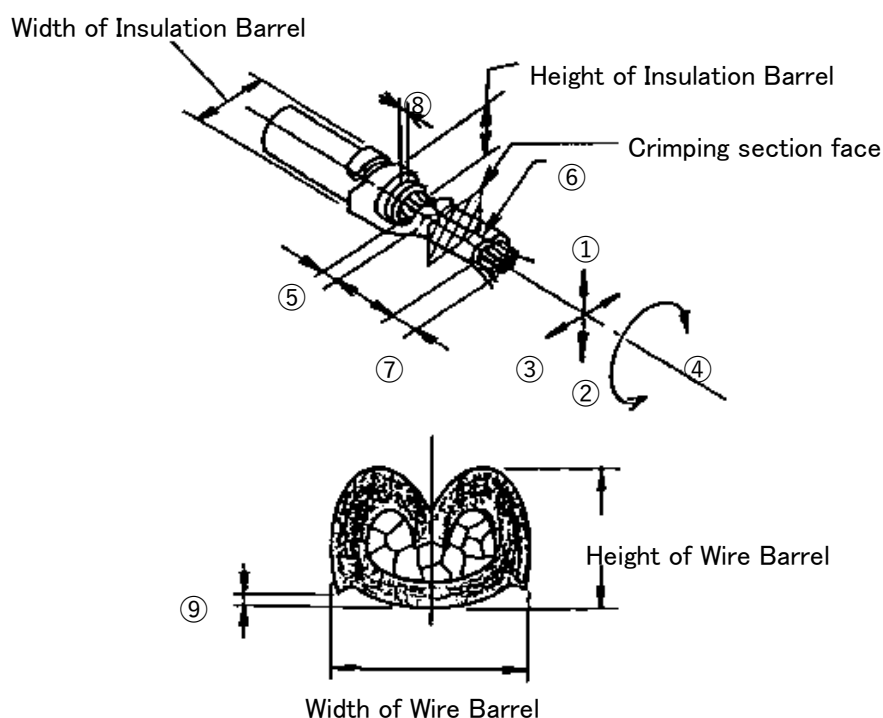


Fig. 2

Note 2: During operating of stripping the isolator and crimping, make sure that harmful crack, scar and deformity on the insulation do not occur.



3. Revision History

Rev Ltr	Brief Description of Change	Date	Dwn	Apvd
O	Initial Release			
A	Add the TCPN of tin, silver plated type terminals	26-Feb-2025	L.G	Z.Z
A1	Typo in section 2-2 correction, change 'X-2361132-X' to 'X-2461132-X'	25-Mar-2025	L.G	Z.Z