Application Specification

250 Series Flag Positive Lock(Mark II) Rec. Contact

1. Applicable Products

Table 1

Product	Part NO.	Applicable Wire (AWG)	Applicable Insulation Diameter (mm)
Receptacle Contact	936603- □	#22 ~ #18	1.5~2.8
	936604- □	#18 ~ #14	2.2~3.4
	936605- □	#14	3.0~3.7

2. Crimping Conditions and Crimp Data

2.1 Crimping Conditions

Table 2

No.	Check Items	Specification Limits	No.	Check Items	Specifications Limits
1	Bend-up	5 ˚ max.	6	Front Bellmouth Length	0.7mm max.
2	Bend-Down	5 ˚ max.		Rear Bell mouth	0.2~0.7mm max.
3	Twisting	5 ˚ max.	7	Wire End Protrusion Length	Wire end must protrude from front end of wire barrel, but must not exceed 0.7mm.
4	Rolling	10 ˚ max.	8	Insulation Stripping Length	See Table 3
5	Cut-Off Tab Length	0.5mm max.			

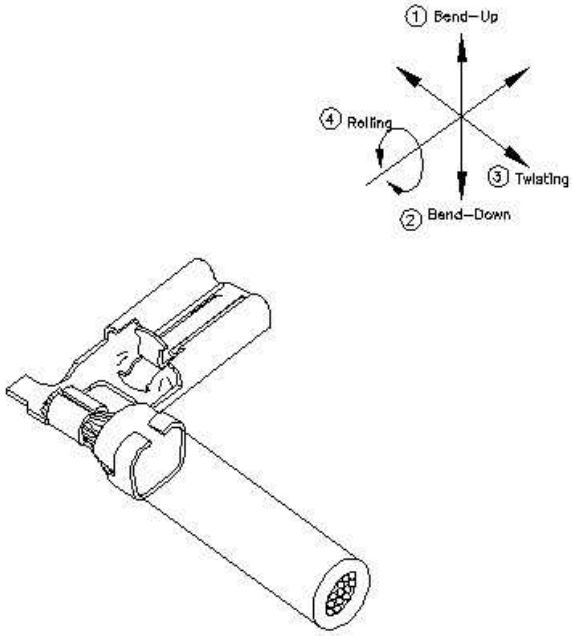
1 Bend–Up
4 Rolling
3 Twisting
2 Bend–Down

Fig. 1

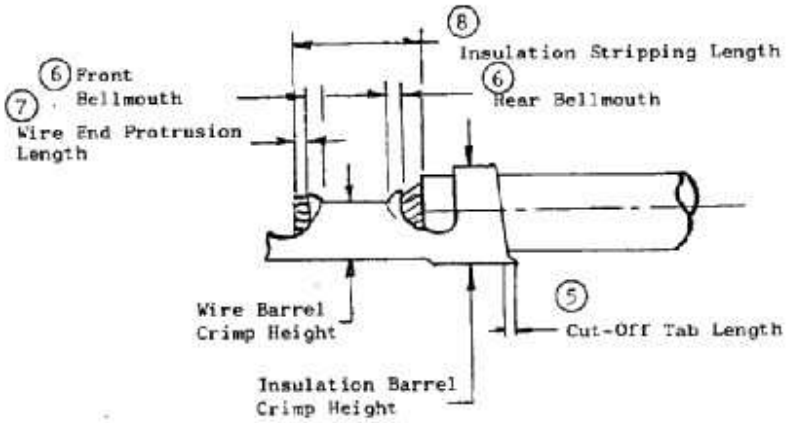
8 Insulation Stripping Length
6 Front Bellmouth
6 Rear Bellmouth
7 Wire End Protrusion Length
Wire Barrel Crimp Height
5 Cut-Off Tab Length
Insulation Barrel Crimp Height

Fig. 2

2.2 Crimping Data

Table 3

Contact Part NO.	Wire Size		Insulation Stripping Length ±0.5(mm)	Wire Barrel Crimp		Insulation Barrel Crimp Width (mm)	Finished insulation Diameter (mm)	Crimp Tensile Strength (N)min.
	No.	mm^2 (AWG)		Width (mm)	Height ±0.05 (mm)			
936603-□	1	0.3 (#22)	6.0	2.03 "F"	1.41	3.56 "F"	1.5~3.1	490.
	1	0.5 (#20)			1.47			78.5
	1	0.75(#18)			1.61			117.7
936604-□	1	0.75(#18)	6.0	2.79 "F"	1.50	4.4 "F"	2.2~3.4	117.7
	1	1.25(#16)			1.62			205.9
	1	2.0(#14)			1.82			313.8
936605-□	1	2.0(#14)	6.0	3.81 "F"	1.82	5.59 "F"	3.0~3.7	313.8
	2	0.5+1.25 (#20+#16)	6.3		1.79			39.2

Notes:

1. Insulation barrel crimp height shall not exceed 4.0mm
2. Tolerance of wire barrel crimp height must be ±0.05mm.
3. When plural wires are crimped together, single wire's tensile strength of the smallest size is assumed as the allowable tensile strength of the entire wire lead.