



Application Specification

114-61019, Rev. B

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 Bellmouth | 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. | | | |

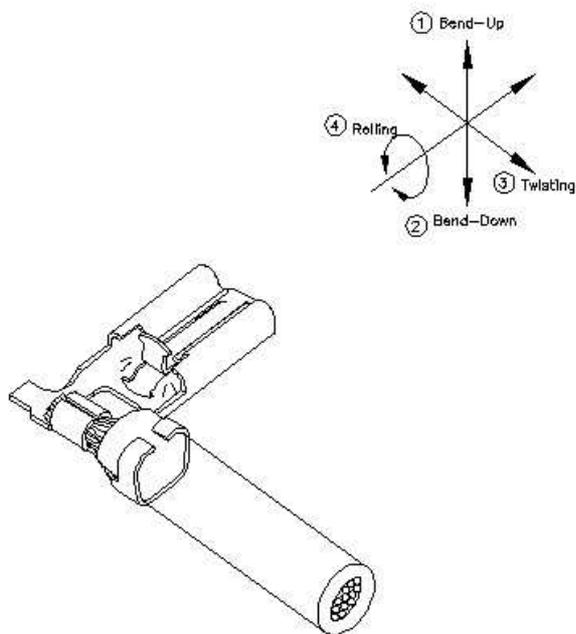


Fig. 1

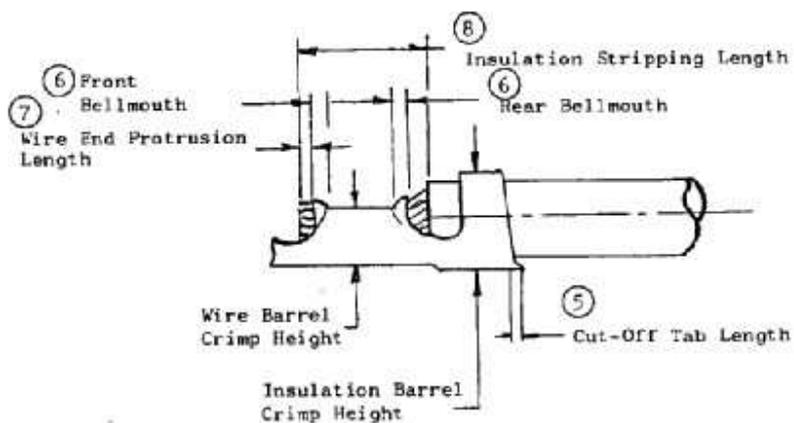


Fig. 2



Application Specification

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.