

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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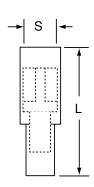






Specialty Terminals

81F-180-NL, 82F-180-NL Female Snap Receptacle, Bullet Style, Nylon Fully Insulated, Butted Seam



Data Sheet

Product Number	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
81F-180-NL	22-18	0.180	1.02	0.25	0.095	0.145
82F-180-NL	16-14	0.180	1.02	0.25	0.115	0.170



UNDERWRITERS LABORATORIES STANDARD NO. UL 486A 3M FILE NO. E23438



CANADIAN STANDARDS ASSOCIATION STANDARD NO. 22.2 NO. 0, 65

Specifications

Wire Size: Barrel Seam:

Maximum Voltage Rating:

Maximum Operating Temp: **Maximum Current:**

Same as Wire **Insulator Material:** Nylon Terminal Material: Brass Plating: Tin

3M FILE NO. LR22190

See Table Above

221°F (105°C)

600 V Building Wire 1000 V Signs or Fixtures (Luminaires)

Butted

Installation Information

\triangle WARNING

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

UL Listed and CSA Certified for use on stranded copper (AWG) wire only.

Strip away the end 3/8 inch of wire insulation.

Make the crimp in the proper station of a recommended 3M crimp tool: TH-440, TH-450 (scissor style), or TR-490 (ratchet style) hand tools.



Barrel Crimp (Electrical)

Engineering Specification

Crimp-Type Female Disconnects shall, electrically and mechanically, connect permanently to a prestripped end of a stranded copper wire; and have a tongue portion with fingers which grip a Male Disconnect in a separable, reusable manner, forming a Quick Connect Wiring Termination.

The connector line shall offer tongue variations (sized to grip bullet-style Male Tabs 0.180" diameter per ANSI/NEMA CD-2) and barrel variations in wire (AWG) size (22-18, 16-14) and construction (vinyl insulated, nylon fully insulated, etc.). The female disconnects shall have regulatory agency coverage (UL Listing, CSA Certification). The tongue portion shall be marked with the wire range and manufacturer's symbol (个).

The Nylon Fully Insulated Bullet-Style Female Disconnect shall be tin-plated 0.016" thick brass with a receptacle for gripping a bullet-style Male Tab of diameter 0.180" per ANSI/NEMA CD-2 and a 0.25" long barrel covered by a molded nylon funnel entry sleeve, which extends to cover the tongue, color coded and sized for a specified (AWG) wire range (red, 22-18; blue, 16-14).

Insulated connectors shall be UL Listed and CSA Certified for 600 V building wire: 1000 V signs or lighting fixtures (luminaires) and temperature rated 221°F (105°C) maximum.

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