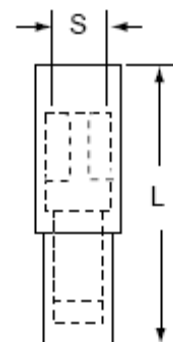




# Scotchlok<sup>TM</sup> Terminals

MNG18-180DFI-A, MNG14-180DFI-A,  
Female Snap Receptacle, Bullet Style  
Nylon Fully Insulated with Insulation Grip



## Data Sheet

March 2008

Product Number	Wire Range (AWG)	Mating Snap Diameter S	L	Maximum Insulation Diameter
MNG18-180DFI-A	22 – 18	0.180	1.00	.15
MNG14-180DFI-A	16 – 14	0.180	1.00	.19

## Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted with Insulation Grip
Maximum Voltage Rating:	600 V Building Wire or 1000V Signs or Fixtures (Luminaires)
Maximum Operating Temp:	221°F (105°C)
Maximum Current:	Same as Wire
Insulator Material:	Nylon
Terminal Material:	Brass
Terminal Plating:	Tin

## Installation Information

### WARNING

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

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

Make the crimp in the proper station of a recommended 3M<sup>TM</sup> Scotchlok<sup>TM</sup> Crimp Tool: TH-440, TH-450.



Barrel Crimp (Electrical)



Insulation Grip Crimp (Mechanical)

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## Engineering Specification

Crimp-Type Female Disconnects shall, electrically and mechanically, connect permanently to a pre-stripped 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.).

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