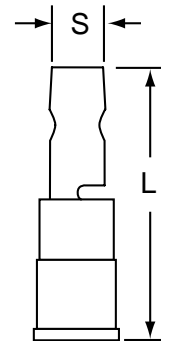




# Scotchlok™ Terminals

## MNG18-180DM, MNG14-180DM

### Male Snap Plug, Nylon Insulated with Insulation Grip



## Data Sheet

Product Number	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
MNG18-180DM	22-18	0.180	0.85	0.19	0.070	0.145
MNG14-180DM	16-14	0.180	0.87	0.19	0.090	0.170



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



CANADIAN STANDARDS  
ASSOCIATION  
STANDARD NO. 22.2  
NO. 0, 65  
3M FILE NO. LR22190

## Installation Information

### ⚠ 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-482, TR-490 (ratchet style) hand tools.

## Specifications

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



-  Barrel Crimp (Electrical)
-  Insulation Crimp (Mechanical)

## Engineering Specification

Crimp-Type Snap Plug Connectors shall, electrically and mechanically, connect permanently to a prestripped end of a stranded copper wire; and have a round tongue portion for mating to a Snap Receptacle in a separable, reusable manner.

The connector line shall offer tongue variations sized to grip male tabs 0.156" and 0.180" diameter and barrel variations in wire (AWG) size (22-18, 16-14, 12-10) and construction (vinyl insulated, nylon insulated with insulation grip). The separable connectors shall have regulatory agency coverage (UL Listed, CSA Certification).

The nylon insulated 0.180" Male Snap Plug shall be tin-plated 0.030" thick copper, with a tongue tapered from 0.180" diameter and with a tin-plated brass, funnel entry insulation grip, covered by a molded nylon sleeve, color coded and sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

Insulated separable 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.

The separable connector formed by the paired Male Snap Plug and Female Snap Receptacle may require a suitable strain relief to prevent accidental separation.

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### IMPORTANT NOTICE

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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