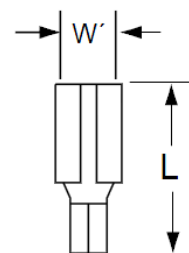


# 3M™ Scotchlok™ Terminals

MU18-187DF, MU14-187DF

Female Disconnect, Non-Insulated, Butted Seam



## Data Sheet

August 2014

| Product Number | Wire Range (AWG) | Mates with <u>Male Tab</u> Width (W') x Thickness | L    | Barrel Length | Barrel I.D. |
|----------------|------------------|---------------------------------------------------|------|---------------|-------------|
| MU18-187DF     | 22-18            | 0.187 x 0.020                                     | 0.58 | 0.25          | 0.085       |
| MU14-187DF     | 12-10            | 0.187 x 0.020                                     | 0.58 | 0.25          | 0.085       |

## Specifications

|                                            |                 |
|--------------------------------------------|-----------------|
| UL Standard No. 310, 3M File No. E750512   |                 |
| CSA Standard No. 22.2, 3M File No. LR22190 |                 |
| Max. Current:                              | Same as Wire    |
| Wire Size                                  | See Table above |
| Barrel Seam:                               | Butted          |
| Terminal Material:                         | Brass           |
| Plating:                                   | Tin             |

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## 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™ Scotchlok™ Crimp Tool: TH-440, TH-450 (scissor style), or TR-490 (ratchet style) hand tools.



Barrel Crimp Electrical

Suitable for factory installation on steel or brass tabs, UL and CSA.

Suitable for field application on brass tabs, strain relief is required, UL only.

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## Engineering Specification

Crimp-Type Female Disconnect shall, electrically and mechanically, connect permanently to the 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 a tongue variations (sized to grip male tabs: 0.187" or 0.250") and barrel variations in construction (non-insulated, nylon insulated with insulation grip, etc.). The tongue portion shall be marked with the wire range and manufacturer's symbol (↑).

The Non Insulated Female Disconnect shall be tin plated 0.016" thick brass, with a tongue for gripping a 0.187" male tab of 0.20" thickness, and a butted seam barrel sized for specified (AWG) wire range (Red 22-18, Blue 16-14).

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**Shelf Life & Storage**

3M™ Scotchlok™ Terminals MNG18-180DFI and MNG14-180DFI have a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

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**Availability**

Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-472-1190.

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78-8126-0416-9 Rev C