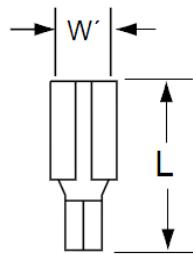


3M™ Scotchlok™ Terminals

MU18-187DF, MU14-187DF

Female Disconnect, Non-Insulated, Butted Seam



Data Sheet

August 2014

Product Number	Wire Range (AWG)	Mates with <u>Male Tab Width (W')</u> 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

3M™ Scotchlok™ Terminals MU18-187DF, MU14-187DF

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.

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, Blue16-14).

3M™ Scotchlok™ Terminals MU18-187DF, MU14-187DF

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).

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

3M and Scotchlok are trademarks of 3M Company.

Important Notice All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. 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. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability This product will be free from defects in material and manufacture at the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.



Electrical Markets Division

6801 River Place Blvd.

Austin, TX 78726-9000

800 472.1190

FAX: 800.262.6329

www.3M.com/electrical

Please recycle
© 3M 2014 All rights reserved
78-8126-0416-9 Rev C

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[3M](#):

[MU14-187DFK](#) [MU18-187DFK](#)